

Canford EfW CHP Facility  
Environmental Permit Application:  
Baseline Site Condition Report  
Air Quality Consultants Ltd for MVV Environment Ltd

## Document Control

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# 1. Introduction

## 1.1 Appointment

This report is in support of an application for an environmental permit for a Part A(1) installation for an Energy from Waste (EfW) Combined Heat and Power (CHP) Facility at Canford Resource Park, Arena Way, Magna Road, Poole, BH21 3BW (the site, Figure 1).

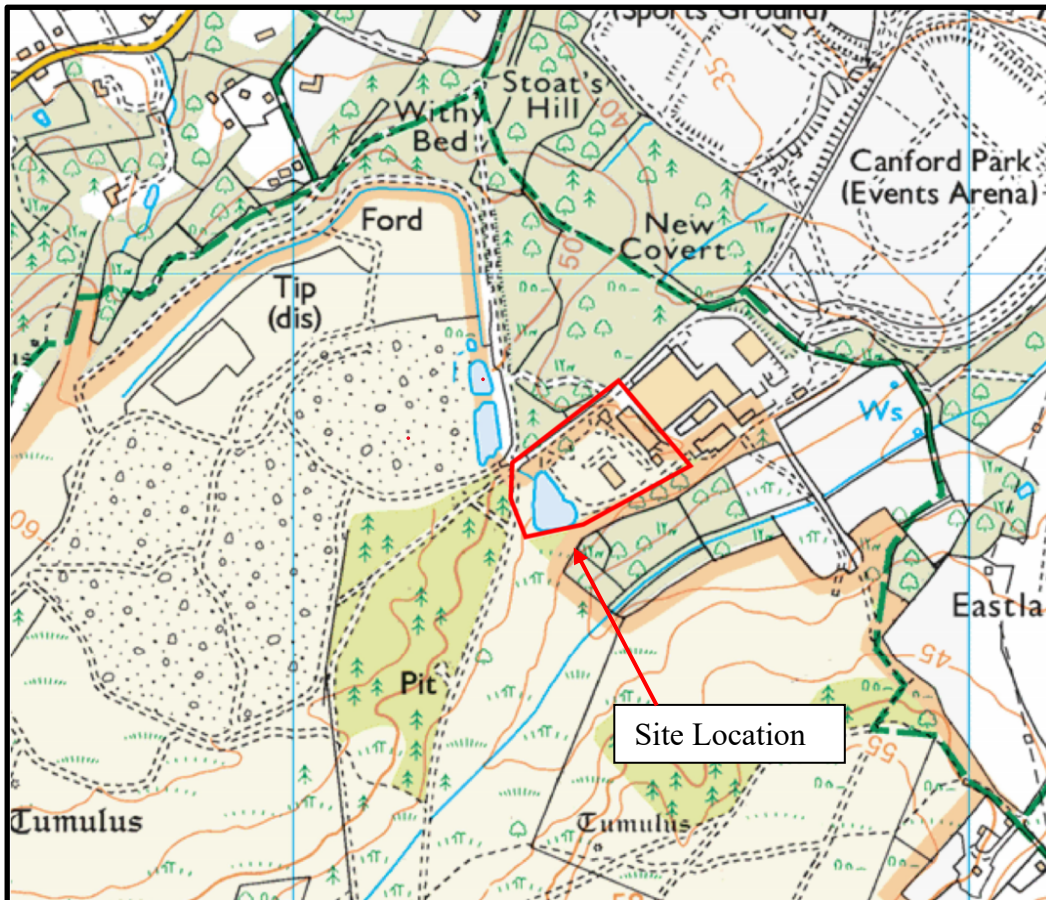
MVV Environment Ltd submitted a planning application for the EfW CHP facility in July 2023. The proposed facility will treat up to 260,000 tonnes non-hazardous municipal, commercial and industrial waste per annum and exports heat and electricity to surrounding commercial and industrial operators.

## 1.2 The Site

The 2.38 hectare site is within an existing integrated waste management park known as Canford Resource Park and the proposed EfW CHP facility will be located in the south western part of the Resource Park, and is shown on **Figure 1**, below. Planning application reference APP/23/00822/F covers the entire scheme including the Combined Heat & Power connections, cable routes and temporary construction compounds. This report is solely concerned with the EfW CHP part of the site. **Appendix A** presents two proposed development plans, submitted as part of the planning application:

- Proposed Site Plan (Drawing ref. SC1643/PL 10-01, dated 23/02/23)
- Proposed Site Sections (Drawing ref. SC1643/PL 11-01, dated 23/02/23)

**Figure 1: Site Location**



*Reproduced from Ordnance Survey Open Map – Local with the permission of the controller of Her Majesty's Stationary Office Crown Copyright Reserved (boundary is approximate, not to scale)*

The site is currently partially used for other waste management activities including a recently constructed but not operational gasification and pyrolysis EfW facility. The site has a single industrial building in the centre, a chimney and gravel external yard area which has portable office cabins, car parking and materials storage.

### 1.3 Site Condition Report (SCR)

This Application SCR follows the Environment Agency's H5 guidance (ref: LIT 8001 Version 3.0 May 2013), which has a set template. Sections 1.0-3.0 are concerned with the Application SCR. Sections 4.0-7.0 are relevant during the life of the permit and sections 8.0-10.0 relevant for site surrender stage. This Application SCR thus only concerns itself with Sections 1.0-3.0, which are presented in Section 2 of this report.

A SCR under the Environmental Permitting Regulations (EPR) is only concerned with Potentially Polluting Substances (PPS) that may impact land or water. The report forms a baseline at the outset of an operation and can be used for future comparisons during the lifetime of the permit and at surrender.

### 1.4 Objectives

The principal aim of this report is to describe the condition of the land and groundwater at this point in time. This involves collecting information regarding the substances used in the permitted process to undertake an environmental risk assessment, specifying the hazards from the operation and which environmental receptors could be affected; in the case of this SCR: land and water.

This report considers the past pollution history of the site, to determine what substances could already be present beneath the site, to form a baseline of site conditions for the new permit application. This will be achieved through the following scope of works:

- Establish the environmental setting and context of the site.
- Determine the historical land use of the site, including consideration of previous desk studies and site investigations reports.
- Consider Pollution Likelihood.
- Develop a preliminary Conceptual Site Model (CSM).
- Conduct a preliminary risk assessment of potential contamination at the site.
- Provide or comment on the baseline condition.
- Make recommendations for further works (if necessary).

### 1.5 Description of the Permitted Activities

The proposed installation will comprise:

- Tipping hall;
- Waste bunker hall with waste handling cranes;
- Turbine hall with steam turbine generator;
- Boiler house with grate, boiler and ancillary systems;
- Flue gas air pollution control system;
- Air cooled condensers;
- Water treatment plant;
- Bottom ash handling system;
- Administration block; and

- Workshop and stores.

The EfW CHP Facility will consist of a single Schedule 1 installation activity, as defined in the EPR, and several directly associated activities. These include:

- Waste incineration plant treating non-hazardous household, industrial and commercial waste;
- Power generation and export of heat;
- Production of incinerator bottom ash (IBA) that will be temporarily stored on-site prior to off-site disposal;
- Generation of air pollution control residues that will be temporarily stored on-site prior to off-site disposal;
- Provision for the generation of backup/standby power using low sulphur diesel or hydrotreated vegetable oil;
- Management Systems for monitoring and controlling the above activities including raw materials and waste.

The EfW CHP Facility is designed to treat up to 260,000 tonnes of waste per year.

Non Permitted activities taking place on site include:

- On site loading and transport;
- Filling of vehicles from fuel tanks; and
- Office-based activities in the administration building.

## 1.6 Information Sources

The following information sources have been used in this report:

- Site Plans (**Appendix A**).
- Groundsure Enviroinsight Report (reference: GS-8371843), dated 1st December 2021 (**Appendix B**).
- Historical Ordnance Survey Mapping (**Appendix C**).
- Previous Environmental Assessment Reports (**Appendix D**); also detailed in **Section 4**.
- British Geological Survey (BGS) Borehole Record (**Appendix E**).
- BGS geological mapping Sheet 329, 'Bournemouth', (1:50,000 scale) dated 1991.
- Hydrogeological map of the Chalk and associated minor aquifers of Wessex, (1:100,000 scale) dated 1979.
- Open Source aerial images.
- Defra's Open Source MAGIC website (<https://magic.defra.gov.uk/magicmap.aspx>).
- Defra's Open Source historic landfill database (<https://environment.data.gov.uk/>).
- Planning Pages: Bournemouth, Christchurch and Poole Council.
- Canford EfW CHP Facility Environmental Permit Application Supplementary Information Report, Logika Group, dated 27 February 2024 (reference J10/14990A/10-D01).

## 1.7 Report Limitations and Reliance on 3<sup>rd</sup> Party Data

This report has been produced by Turnkey for use by Air Quality Consultants and MVV Environment Ltd in connection with the proposed development. It is not intended for and should not be relied upon by any third party except as provided for in Turnkey's agreement with Air Quality Consultants.

Turnkey has based this report on the sources of information detailed within the report and believes them to be reliable but cannot and does not guarantee the authenticity or reliability of third party information. Notwithstanding the reasonable skill and care exercised by the professional team in undertaking this assessment, it is possible that ground conditions and constraints other than those potentially indicated by this report may exist at the site.

This report has been prepared based on current legislation, statutory requirements, planning policy and industry good practice prevalent at the time of writing. Any subsequent changes or new guidance may require the findings, conclusions and recommendations made in this report to be reassessed in light of the circumstances.

## 2. Application Site Condition Report

As noted in Section 1 above, the tabular format below takes the format and numbering referencing as per the SCR EA template. Sections 1.0-3.0 are concerned with the Application SCR. Sections 4-7 are relevant during the life of the permit and sections 8-10 relevant for site surrender stage.

1.0 Site Details	
Name of the applicant	MVV Environment Limited
Activity address	Canford Resource Park, Arena Way, Magna Road, Poole, BH21 3BW
National Grid Reference	403436 096713  SZ 03436 96720
Document reference and dates for Site Condition Report at permit application and surrender	Turnkey Report Ref R002i2 dated 18 <sup>th</sup> April 2024
Document references for site plans (including location and boundaries)	Proposed Site Plan, Ref CRP001, dated March 2024 includes site boundary submitted under planning.

2.0 Condition of Land at Permit Issue	
Environmental setting including: <ul style="list-style-type: none"> <li>• geology</li> <li>• hydrogeology</li> <li>• surface waters</li> </ul>	For details of the environmental setting, geology, hydrogeology and surface waters, refer to <b>Section 3.2</b> .
Pollution history including: <ul style="list-style-type: none"> <li>• pollution incidents that may have affected land</li> <li>• historical land-uses and associated contaminants</li> <li>• any visual/olfactory evidence of existing contamination</li> <li>• evidence of damage to pollution prevention measures</li> </ul>	For Site history, including pollution incidents and associated contaminants, refer to <b>Section 3.10</b> , Supporting Information.  Refer to <b>Section 4</b> for details of the previous site investigation information, including visual and olfactory observations.
Evidence of historic contamination, for example, historical site investigation, assessment, remediation and verification reports (where available)	Refer to <b>Section 4</b> for details of the previous site investigation information.
Baseline soil and groundwater reference data	Refer to <b>Section 4</b> for details of the previous site investigation information for areas adjacent or close to the site.
Supporting Information	Review of <ul style="list-style-type: none"> <li>- Historical Ordnance Survey plans (<b>Appendix C</b>).</li> <li>- Historical investigation reports (<b>Section 4</b>).</li> <li>- Historic ground investigation (<b>Appendix D</b>).</li> </ul>

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### 3.0 Permitted Activities

Permitted activities	Details of the permitted activities are presented in <b>Section 1.5</b> .
Non-Permitted Activities undertaken	Details of the non-permitted activities are presented in <b>Section 1.5</b> .
Document references for:	For plans showing the activity layout, refer to <b>Appendix A</b> .
<ul style="list-style-type: none"> <li>• plan showing activity layout; and</li> <li>• environmental risk assessment.</li> </ul>	For the Environmental Risk Assessment, refer to <b>Section 6</b> .



## 3. Site Environmental Setting

### 3.1 Site Description

### 3.2 Environmental Setting

Ground conditions underlying the site and controlled waters vulnerability are presented in **Table 3.1** and the Groundsure EnviroInsight data report is presented in **Appendix B**.

Table 3.1 Ground Conditions

<p>Geology</p>	<p>Based on information published by the BGS, the site is directly underlain by the following:</p> <ul style="list-style-type: none"> <li>• Made ground: approximately 30% of the eastern part of the site is shown as an artificial deposit;</li> <li>• Rest of site is mapped as superficial deposits of River Terrace Deposits (Terrace 10 – Sand and Gravel) (RTD); over</li> <li>• Bedrock geology of Poole Formation – sand, silt and clay.</li> </ul> <p>Site investigation data was contrary to the published information (due to the latter pre-dating the former) and found that the entire site is formed of made ground (<b>Section 4</b>).</p>
<p>Hydrogeology</p>	<p>Both the superficial RTD and underlying Poole Formation are classed as Secondary A Aquifers.</p> <p>Interbedded sands and clays of the Poole Formation will likely result in multiple groundwater layers over different depths<sup>1</sup> and shallow groundwater within the RTD or made ground. Previous site investigation at the site recorded shallow groundwater between 4.2m and 7.4m depth within made ground soils.</p> <p>A BGS borehole record 400m NE of site recorded yellow sandy gravelly clay to 1m depth overlying grey clay with sand lenses and sand with clay lenses to 78m depth, interpreted to represent the Poole Formation, overlying chalk. A water abstraction well was installed to 82m depth and groundwater rested at approximately 20m depth (approximately 55m AOD) within the chalk and Poole Formation.</p> <p>Groundwater Vulnerability is rated as high, due to having soils of a high leaching class, a thin or discontinuous superficial aquifer and potential fracture flow within the bedrock aquifer.</p> <p>The site is not located within an area classified by the Environment Agency as a Source Protection Zone (SPZ). The distance to the closest SPZ is 1.2km east to the outer zone of the SPZ.</p> <p>The closest active groundwater abstractions are 396m NE for irrigation and 403m SW for mineral washing associated with sand and gravel extraction.</p> <p>Groundwater quality information was not available. Due to the previous history of mineral extraction and land filling on site and in the surrounding area, shallow groundwater quality has the potential to be impacted.</p>

<sup>1</sup> All depths expressed as metres below existing ground level unless stated otherwise.

Surface Waters	<p>Surface water features are identified below:</p> <ul style="list-style-type: none"> <li>- Nearest is a surface water course that once connected to a historic surface water feature in the SW and is adjacent to the west site boundary and flows around the perimeters of the landfill site adjacent to the west.</li> <li>- Second closest is a river (River Stour) 104m SE flowing NW to SE.</li> </ul> <p>Water quality information was not available on these surface waters.</p>
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### 3.3 Landfill Sites

The closest registered landfill site is adjacent to the west (White's Pit). This landfill site is recorded as a part historical or restored landfill site which now hosts a solar farm over some of the area. An operational part of the landfill site remains active in the central part of that site. White's Pit is licensed to accept household, commercial and industrial waste from the 1950s to the present.

Former landfill sites are also recorded:

- 109m NE: Coronation Tip which accepted commercial wastes, liquid and sludge and permit was still active in 2021.
- 269m NE: Moortown Aerodrome which accepted household, commercial and industrial waste and the permit was surrendered in 1992.

### 3.4 Waste Treatment and Disposal Sites

The site is located within the Canford Resource Park which has a range of existing waste management activities located on and surrounding the site including mechanical biological treatment, landfill gas generator, materials recovery facility and inert waste recycling. A constructed but not operational gasification and pyrolysis plant currently occupies the site.

Recorded waste treatment and disposal sites within 250m of the site include:

- Incinerator 110m NE (this record likely relates to the on-site non-operational gasification and pyrolysis plant on site).
- Waste materials recovery facility 126m NE.
- Inert waste recycling facility 119m NE.
- Composting and biological treatment facility 159m NE.

A former surface working and pond adjacent to the SW was filled between 2012 and 2014, however there were no records found for this filling operation.

### 3.5 Hazardous Substances / Permits

The site has a Part A1 installation permit (permit reference RP3206LB) for Canford Renewable Energy Ltd, which is not operational. A single nearby permit is 89m E for a mechanical biological treatment facility.

### 3.6 Industrial Land Uses

In addition to the waste activities surrounding the site, there is an electricity substation 79m NE and three above ground storage tanks are adjacent to the NE site boundary.

### 3.7 Pollution Incidents

There are five records of pollution incidents up to 2021. The closest was 103m E, dated 2018, and had a minor impact to land. The other four were over 300m distance from site and only recorded minor impacts to land and no impact to water.

### 3.8 Water Discharges and Abstraction Licenses

Two Discharge Consents are in operation for a site 117m SE for site drainage discharge into the adjacent surface water course.

The closest groundwater abstractions are 396m NE for irrigation and 403m SW for mineral washing.

There were no potable water or surface water abstractions identified within 1km.

### 3.9 Statutory Sensitive / Sensitive Environmental Receptors

A SSSI, Canford Heath, is adjacent to the SW site boundary. It is understood that the SSSI is also a Special Protection Area (SPA) and Special Areas of Conservation (SAC).

### 3.10 Site History

#### 3.10.1 Aerial Photography and Map Search

A review of available historic mapping and aerial imagery has been undertaken using historical Ordnance Survey (OS) maps and plans dating from 1887 OS County Series to 2021 OS Plans. Open source aerial images were used to identify details from the past 20 years, these are presented within the Groundsure report in **Appendix B**. The historical OS plans reviewed have been reproduced in **Appendix C**.

Key points of the historical development of the site and surrounding area are summarised below in **Table 3.2**.

**Table 3.2 Site Development History**

Dates	Description
1887-1900	Site is undeveloped woodland and marshland.
1901-1928	No significant change.
1934-1954	No significant change.
1963-1988	No significant change.
1989-2005	Most of the site area is a water filled excavation.
2010-2012	The water filled excavation is smaller and filled in the north eastern parts, which is used for vehicle parking and skip storage. The water filled excavation in the south west appears to be undergoing infilling operations.
2017	Site is developed with an industrial shed in the central southern part and a yard area, with material handling facilities, in the central part. The pond in the SW is completely filled.
2020	The yard area is more intensively used with more vehicles and material handling evident. The infilled pond in the SW is vegetated.

Historical off-site land uses comprise a landfill site adjacent to the west, former landfill site north west and other waste management activities within the Canford Resource Park including waste recycling.

#### 3.10.2 Site History Summary

The site was first developed into a surface ground working for mineral extraction around the 1980s, initially with the resultant void being water-filled. This void was gradually infilled from the north east towards the south western parts between 2000 and 2017. The filled site was subsequently used for waste management activities and associated storage and infrastructure.

### 3.11 Potential Historical Contaminative Uses

On-site potential contaminants are likely to be heavy metals, asbestos, polyaromatic hydrocarbons and petroleum hydrocarbons associated with the import of made ground and former waste management activities.

Off-site mobile contaminants could potentially affect the site, such as petroleum hydrocarbons or volatile organic compounds associated with surrounding current and former land uses, including waste management activities.

## 4. Previous Environmental Assessments

### 4.1 Available Reports

Environmental assessment reports compiled by Terra Firma (South)<sup>2</sup> were submitted with the planning application for redevelopment as follows:

- Phase 1 Contaminated Land & Geotechnical Desk Study, Proposed Commercial Development, Canford Energy Park, Bournemouth, Hampshire, Job Number: EX-21-001/P1, dated September 2022; and
- Ground Investigation Report, Proposed Commercial Development, Canford Energy Park, Bournemouth, Hampshire, Job Number: EX-21-001/GIR, dated November 2022.

The reports are presented in **Appendix D**.

### 4.2 Summary of Findings

#### 4.2.1 Phase 1 Desk Study

The report found that the site was historically woodland, marshland and heathland before being excavated and transformed into a lake, thought to be associated with the adjacent landfill to the west.

The assessment determined that on-site historic made ground combined with current on and off-site land uses presented a low to moderate risk to environmental receptors and a Phase 2 Ground Investigation was recommended.

#### 4.2.2 Phase 2 Contaminated Land Assessment

The site investigation comprised three rotary dynamic sampled and cored boreholes, three cable percussive boreholes, 19 mini percussive boreholes, eight cone penetration tests and five machine excavated trial pits. Made Ground was encountered at all locations to depths of between 6m and 7.7m and was described as a multicoloured sandy GRAVEL, gravelly SAND and sandy CLAY with anthropogenic inclusions including concrete cobbles.

The made ground was underlain by stiff bluish grey and grey silty (sandy) CLAY, Interbedded with bluish grey slightly clayey silty fine to medium SAND, interpreted to represent the Poole Formation geology.

Monitoring wells were installed in seven boreholes (RC01, RC04, RC05, CP02, CP04, CP06 and WS24), of which all except CP06 and WS24 were screened within the Poole Formation solid geology. CP06 was screened across made ground and Poole Formation and WS24 was screened within the made ground only.

Groundwater was encountered between depths of 4.2m and 7.43m, meaning that groundwater rest level is within the made ground.

30 samples of made ground soil were submitted to Eurofins Chemtest, a UKAS and MCERTS accredited laboratory and tested for a suite of potential contaminants including pH, cyanide, sulphate, organic matter, arsenic, cadmium, chromium, hexavalent chromium, copper, lead, mercury, nickel, selenium, zinc, phenol, poly-aromatic hydrocarbons (PAH), extractable petroleum hydrocarbons (EPH), benzene, toluene, ethylbenzene, xylene (BTEX), Methyl tert-butyl ether (MTBE), VOC (volatile organic compounds, using a laboratory library list of contaminants), SVOC (semi-volatile organic compounds) and a soil asbestos screen.

The soil contaminant ranges detected are presented in **Table 4.2**.

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<sup>2</sup> Consulting Geo-Technical & Geo-Environmental Engineers, Site Investigation Contractors, The Slate Barn, Lower Lowley, Dunsford, Devon, EX6 7BP

**Table 4.2 2022 Site Investigation Soil Chemical Data Summary**

Contaminant	Range
Arsenic	2.3 – 9.3 mg/kg
Cadmium	0.1 – 0.21 mg/kg
Chromium	4 – 250 mg/kg
Chromium III	4 – 250 mg/kg
Chromium VI	49 – 0.5 mg/kg
Copper	1.4 – 350 mg/kg
Lead	5.2 – 60 mg/kg
Mercury (Total)	0.05 – 0.25 mg/kg
Nickel	0.78 – 120 mg/kg
Selenium	0.25 – 0.45 mg/kg
Zinc	6 – 79 mg/kg
pH	5.9 – 10.1 units
Cyanide	0.5 – 1.3 mg/kg
Organic Matter	0.4 – 10 %
Sulphate	0.016 – 0.5 %
Phenol	0.1 – 2.2 mg/kg
Total PAH	2 – 130 mg/kg
Total EPH (C10 – C40)	10 – 2,000 mg/kg
BTEX	<0.001 mg/kg
MTBE	<0.001 mg/kg

None of the metal concentrations indicate significant contamination. Petroleum hydrocarbon concentrations were detected in three soil samples in excess of 500mg/kg.

Samples of groundwater were not taken during the investigation. 10 made ground soil samples were tested for waste acceptance criteria testing which included leachate preparation and testing from a 10:1 water to soil ratio. In the absence of other information on background groundwater quality, this data has been considered as a preliminary line of evidence.

Soil leachate data was assessed as a preliminary indicator of the leaching potential of the made ground to affect groundwater quality. The data compared to freshwater Environmental Quality Standards is presented in **Table 4.3**. Concentrations of the metals chromium, copper, nickel and lead were detected above their freshwater EQS values, although typically marginally.

Ground gas monitoring was undertaken on four occasions between September and October 2022, however access limitations lead to an incomplete data set and the design may not have been fit-for-purpose. The following observations are made:

- Generally the natural ground is screened, which is below the measured groundwater table (in three of five locations monitored, the screened level starts deeper than 7mbgl, which is unconventional). The characteristic situation 1 (CS1) that has been denoted, may not be representative.
- Only two locations screen made ground (CP06, which also screen natural ground to 26.7mbgl, and WS24, which screened from 1-2mbgl, which is within a perched groundwater table

[interpreted as perched on the basis that all other window sample location logs did not record a water strike]).

- There were methane concentrations between 28% and 65% measured in RC04 on two occasions, although there was no gas flow recorded. It should be noted that this borehole was screened from 9 – 25.5mbgl.

Typical densities of sampling grids can vary from 25m to 50m centres for exploratory investigations, and 10m to 25m centres for detailed investigations. The site investigation undertook 37 investigation locations over the 2.38 ha site, equivalent to a 25m density sampling grid, which is equivalent to between an exploratory and detailed investigation.

The testing undertaken included an appropriate range of potential contaminants associated with a wide range of potentially contaminative activities together with targeted contaminants of concern associated with the potential sources of contamination identified in the preliminary risk assessment.

The samples were submitted to a UKAS and MCERTS accredited laboratory for testing from which there were deviations reported from the laboratory's quality control procedures, in that no date of sampling was supplied with the samples. This may have resulted in some of the soil samples exceeding their holding times, making the soil sample results less reliable. However, based on scrutiny of the logs and the date samples were received, it would appear the time between sampling and laboratory analysis was 6-8 days, which are typically not deviating for standard analysis (referencing Eurofins holding times, they are 14 days for the contaminants tested), i.e. it appears to be a clerical error by the site investigation contractor/consultant.

**Table 4.3 2022 Site Investigation Soil Leachable Chemical Data Summary – 10:1 Water to Soil Leachate, mg/l**

Eluate Analysis 10:1 Eluate mg/l	WS01 0.1-0.3	WS03 0.5-0.8	WS07 0.3-0.5	WS09 1.4-1.6	WS13 0.3-0.5	WS17 0.45- 0.65	WS19 0.2-0.3	WS20 0.6-1.0	WS23 0.2-0.4	WS24 1.0-1.2	Freshwater EQS
Arsenic	0.0017	0.0003	0.0019	0.0042	0.0007	0.0062	0.0026	0.0019	0.0009	0.0032	0.0500
Barium	0.014	0.046	< 0.005	0.081	0.011	0.014	0.010	0.032	< 0.005	0.025	-
Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.0001
Chromium	<b>0.0058</b>	0.0012	0.0032	< 0.0005	0.0150	0.0005	0.0014	0.0009	0.0016	< 0.0005	0.0047
Copper	<b>0.011</b>	<b>0.002</b>	<b>0.002</b>	<b>0.002</b>	<b>0.006</b>	<b>0.004</b>	<b>0.003</b>	<b>0.002</b>	<b>0.008</b>	<b>0.001</b>	0.0010
Mercury	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	0.0001
Molybdenum	< 0.0002	0.07	< 0.0002	0.0031	< 0.0002	0.0021	< 0.0002	< 0.0002	0.074	0.049	-
Nickel	0.0013	<b>0.0046</b>	0.0017	<b>0.0042</b>	< 0.0005	0.0007	< 0.0005	< 0.0005	0.0015	0.0023	0.0040
Lead	< 0.0005	< 0.0005	<b>0.0021</b>	<b>0.0019</b>	< 0.0005	0.0005	0.0008	0.0011	<b>0.0018</b>	0.0006	0.0012
Antimony	0.0024	< 0.0005	< 0.0005	0.0006	0.0072	0.0044	0.0010	< 0.0005	0.0015	0.0007	-
Selenium	0.0006	0.0027	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0006	-
Zinc	< 0.003	< 0.003	0.006	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.003	< 0.003	0.0109
Chloride	6.4	25.0	< 1.0	14.0	1.8	< 1.0	< 1.0	< 1.0	1.2	1.5	250
Fluoride	0.23	0.25	0.11	0.37	0.20	0.26	0.14	0.19	0.58	0.43	1.0
Sulphate	63	13	5	83	27	33	21	4	9	140	400
Total Dissolved Solids	180	910	20	330	190	91	78	49	120	290	-
Phenol Index	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	< 0.030	-
Dissolved Organic Carbon	6.2	3.5	8.6	18.0	3.2	9.7	7.2	8.1	9.8	12.0	-

Numbers in bold exceed EQS values.



### 4.2.3 Potential Historic Contaminants

Potential historic contaminants are listed below in **Table 4.4**.

**Table 4.4 Potential Historic Contaminants**

Potential Contaminant	Further Detail
Petroleum Hydrocarbons, Polycyclic aromatic hydrocarbons	Fuel spills, fuel storage, handling and transportation.
VOC / SVOC	Leaks and spills, past disposal to ground etc.
Metals	Potential for metal contamination from previous made ground or past site processes.

### 4.3 Conclusion from Previous Reports Review

The Phase 1 and Phase 2 reports by Terra Firma (South) found that the site has a range of potential past contaminative uses associated with on-site and off-site waste management activities.

The site investigation was conducted on the equivalent of a 25m grid, which satisfies the requirements of an exploratory investigation.

Contaminant concentrations from the 30 samples of made ground tested in the site investigation were generally not significantly elevated. Three out of 30 soil samples recorded petroleum hydrocarbon concentrations between 500mg/kg and 2000mg/kg.

Groundwater quality is unknown as it was not sampled and tested during the previous investigation. Groundwater rests within the made ground at the site and the baseline groundwater quality has the potential to be impacted by the presence of made ground.

Soil leachate testing provided a preliminary line of evidence that could be used as an indication of the potential for the made ground to affect groundwater quality, and the 1:10 soil leaching data exceeded freshwater EQS for chromium, copper, nickel and lead, although typically marginally. Once dilution and attenuation factors are considered, these are not thought to be of significant concern.

The review concludes with the following data gaps: previously undiscovered soil contamination in localised areas that was not encountered during the previous site investigation and unknown groundwater quality & ground gas conditions.

## 5. Site Pollution Likelihood

### 5.1 Potentially Polluting Substances (PPS)

PPS to be used at the facility are summarised in **Table 5.1**, together with the control measures to ensure protection of the environment. In addition to the materials in **Table 5.1**, other supporting materials used in small quantities, including, but not limited to:

- Various hydraulic and lubricating oils and greases;
- Calibration gases for the CEMS;
- Fire-fighting agents, such as carbon dioxide and foams; and
- Oxyacetylene and other welding gases.

These will be used on site but in relatively small quantities, stored in appropriate containers and within the facility, which has trained operatives, spill prevention measures and a sealed surface water drainage system, reducing the likelihood of releases to land and groundwater.

### 5.2 Storage and Containment

The site will operate a sealed drainage and containment system which is managed by site management procedures. Each type of substance storage has appropriate design and operation of storage tanks in accordance with CIRIA C736 with high level alarms to prevent overfilling.

The chemical storage area will have chemical resistant floors and walls and secondary containment including integrally banded storage tanks providing a minimum secondary containment capacity of 110% of the tank volume, as required by CIRIA C736 and constructed of impermeable materials that are impervious to the content of material being stored.

As a general rule, when more than one vessel is located within a shared bund, the bund storage capacity will be a minimum of 110% of the capacity of the largest vessel, or 25% of the total vessel storage capacity, whichever is greatest.

The waste reception and holding areas are constructed from watertight concrete in accordance with current standards, and process areas will be located on impervious hardstanding. The integrity of these areas will be regularly checked and subject to integrity testing during routine plant outages.

Process waters are managed on site through evaporation in the bottom ash quench and a trade effluent discharge consent for waste water which has been pretreated through a neutralisation system to ensure compliance. The separate surface water drainage system can be isolated as a pollution prevention measure.

Firefighting water can be temporarily contained in surface water systems and waste bunker before appropriate disposal.

**Table 5.1 Potential Polluting Substances**

Substances	State	Environmental Fate and Behaviour	Pollution Risk	Quantity Stored on Site	Delivery, Storage and Containment Arrangements			Use	Site Specific Risk
					Primary	Secondary	Tertiary		
Waste to be processed	Solid	Only non-hazardous waste is proposed to be accepted	Yes if released to the environment	Main waste bunker has a capacity of ~17,000 m <sup>3</sup>	Delivered to site by waste delivery vehicle and off-loaded to tipping bay within waste reception building	Waste is stored within a dedicated waste bunker which has an impermeable surface connected to a sealed drainage system.	Site surfacing – impermeable and drainage system, discharge via interceptor	Feedstock	Low Risk – control measures in place and tanks/bunds/drainage system checked in accordance with a planned preventative maintenance programme.
Calcium Hydroxide (hydrated lime)	Solid powder	Potential skin, respiratory tract and eye irritant if released to air. May increase pH of receiving environment if a spill occurs	Yes if released to environment	330m <sup>3</sup>	Delivered directly to silos fitted with fabric filters for de-dusting	De-dusted air is exhausted back to the atmosphere, dust contained within filters is blown back into silo after filling.	Site surfacing – impermeable and drainage system, discharge via interceptor	Used for acid gas abatement	Low risk with appropriate control measures in place.

Substances	State	Environmental Fate and Behaviour	Pollution Risk	Quantity Stored on Site	Delivery, Storage and Containment Arrangements			Use	Site Specific Risk
					Primary	Secondary	Tertiary		
Urea	aqueous liquid	Potential risk to environment	Yes if released to environment	Tank with a capacity of ~50m <sup>3</sup>	Delivered to site by tankers and stored in above ground, double walled, glass-reinforced plastic storage silo	Tank located within dedicated sealed bund.	Enclosed building with additional containment measures in place/ Site surfacing – impermeable and drainage system, discharge via interceptor	Used for NO <sub>x</sub> abatement	Low risk with appropriate control measures in place
Activated Carbon	Solid powder	Potential skin, respiratory tract and eye irritant if released to air.	Yes if released to environment	Silo with a capacity of ~50m <sup>3</sup>	Delivered directly to silos fitted with fabric filters for de-dusting	De-dusted air is exhausted back to the atmosphere, dust contained within filters is blown back into silo after filling.	Site surfacing – impermeable and drainage system, discharge via interceptor	Used for pollution abatement in APC.	Low risk with appropriate control measures in place

Substances	State	Environmental Fate and Behaviour	Pollution Risk	Quantity Stored on Site	Delivery, Storage and Containment Arrangements			Use	Site Specific Risk
					Primary	Secondary	Tertiary		
Demineralised Water Plant Chemicals – Sodium Hydroxide	Liquid	Potential risk to environment	Yes if released to environment	Small containers/tanks	Delivered to site by tankers / articulated lorries	Stored in appropriately designed (for the specific substance being stored) integrally bunded tanks.	The chemical storage area will have chemical resistant floors and walls..	Used to regenerate the plant ion exchange unit	Low risk with appropriate control measures in place
Demineralised Water Plant Chemicals – Hydrochloric Acid	Liquid	Potential risk to environment	Yes if released to environment	Small containers/tanks	Delivered to site by tankers / articulated lorries	Stored in appropriately designed (for the specific substance being stored) integrally bunded tanks.	The chemical storage area will have chemical resistant floors and walls.	Used to regenerate the plant ion exchange unit	Low risk with appropriate control measures in place
Boiler Treatment Chemicals	Liquid	Potential risk to environment	Yes if released to environment	Small containers/tanks	Delivered to site by tankers / articulated lorries	Stored in appropriately designed (for the specific substance being stored) integrally bunded tanks.	Site surfacing – impermeable and drainage system, discharge via interceptor	Used to prevent boiler tube corrosion	Low risk with appropriate control measures in place

Substances	State	Environmental Fate and Behaviour	Pollution Risk	Quantity Stored on Site	Delivery, Storage and Containment Arrangements			Use	Site Specific Risk
					Primary	Secondary	Tertiary		
Low Sulphur Gas Oil	Liquid	Toxic if released to aquatic environment. Can cause contamination of soil/groundwater.	Yes if released to environment	Stored in three tanks with a combined capacity of 250m <sup>3</sup>	Delivered to site by road tanker direct to storage tank.	Liquid transfer direct to 110% bunded storage tank with all delivery points contained within the bund.	Enclosed building with additional containment measures in place / Site surfacing – impermeable and drainage system – double skinned, discharge via interceptor	Startup / Auxiliary Fuel	Low Risk – control measures in place and tanks/bunds/hardstanding/drainage system checked in accordance with a planned preventative maintenance programme.
Diesel / hydrotreated vegetable oil (alternative to low sulphur gas oil)	Liquid	Toxic if released to aquatic environment. Can cause contamination of soil/groundwater.	Yes if released to environment	Stored in three tanks with a combined capacity of 250m <sup>3</sup>	Delivered to site by road tanker direct to storage tank.	Liquid transfer direct to storage tank with all delivery points contained within the bund.	Enclosed building with additional containment measures in place / Site surfacing – impermeable and drainage system, discharge via interceptor	Fuel for the back up generator, diesel generator, diesel fire pump and the operational mobile plant	Low Risk – control measures in place and tanks/bunds/hardstanding/drainage system checked in accordance with a planned preventative maintenance programme.

Substances	State	Environmental Fate and Behaviour	Pollution Risk	Quantity Stored on Site	Delivery, Storage and Containment Arrangements			Use	Site Specific Risk
					Primary	Secondary	Tertiary		
Air Pollution Control (APC) Residue	Solid	Hazardous fine ash particles, including salts from the reaction of calcium hydroxide with acid gases, unreacted calcium hydroxide and activated carbon containing trace amounts of dioxins/furans and metals	Yes if released to environment	Two closed silos with a combined capacity of 360 m <sup>3</sup>	Contained within bag filters	Pneumatic transfer to buffer tank, pneumatic storage vessel and pipes to storage silos which are kept under negative pressure with air evacuated via a particulate filter.	Removed off site by specialist contractor in enclosed silo lorries. Displaced air from the lorries is vented back through the silo and particulate filter.	Waste arising from EfW plant	Low risk with appropriate control measures in place
Incinerator Bottom Ash (IBA)	Solid	Non-hazardous non-combustible material	Yes if leachables contaminate surface or ground water	IBA storage bunker capacity is 2,800m <sup>3</sup>	IBA Bunker	Water filled bottom ash extractor/conveyor	Removed off site by specialist contractor	Waste arising from EfW CHP plant	Low risk with appropriate control measures in place

## 5.3 Site Management Procedures

### 5.3.1 Systems

MVV Environment Ltd operates an integrated management system incorporating relevant International Standards Organisation management systems for quality, environmental management and energy management. The objectives of this are to identify potential environmental impacts, develop procedures to mitigate the impacts, ensuring that staff are trained and competent, measuring performance and implementing improvement measures where needed.

Existing procedures will be developed specific to this EfW CHP facility and include the receipt, handling and combustion of waste, storage and use of substances on site and transfer of waste residues off-site.

The site operates a Permit to Work system to manage maintenance activities in accordance with site procedures. This ensures the following measures are implemented at the site:

- All aspects of the site operations have been assessed for significance and an appropriate environmental risk assessment has been carried out.
- Regular inspections of impermeable surfaces, tanks, bunds and pipe work are carried out and repairs and maintenance undertaken as necessary.
- All plant and equipment are inspected and maintained in accordance with legal requirements and the manufacturer's recommendations and maintenance records are kept by site management.
- Any complaints received about site activities are recorded and investigated in accordance with complaints log and investigation procedure.
- A mechanism is in place to fully investigate any environmental incidents and non-conformances in both normal and abnormal conditions and to record any remedial actions that might be taken and how to prevent re-occurrence.
- A site-specific emergency contingency and accident management plan are in place.
- All relevant staff receive environmental training relating to environmental best practice on induction and are required to follow safe working procedures.

### 5.3.2 Staff

Staff members are trained and competent for their role and training needs are monitored through an appraisal system. Staff induction programmes will be specific to each role but will cover, as a minimum, MVV Environment Ltd's environmental policy, the requirements of the environmental permit and management system awareness.

Operations are managed by a dedicated operations team and waste acceptance team that works on a 24 hour per day shift pattern overseen by appropriately qualified facility managers and Quality, Health, Safety and Environmental manager.

### 5.3.3 Critical Equipment Inspections

Environmentally critical equipment is subject to inspection, maintenance and record keeping in accordance with the integrated management system. This includes all plant and equipment, environmentally critical equipment such as the air pollution control plant, and minor items and components such as flexible hoses, nozzles, lubricants and greases, filters, seals on access points etc.

## 5.4 Pollution Likelihood Assessment

There are no planned emissions to land or water from the site, as the future proposed processes operate in a sealed drainage system, with spilled substances contained, cleaned up, and waste products disposed off-site using licensed waste management contractors. The circumstances under which emissions may occur include accidents and / or incidents and routine operations.



Given the management procedures in place at the site and the site design, potential pollutant releases as a result of routine operations and as a result of accident and/or incident are considered to represent a **very low risk** for the facility in terms of contaminating land or groundwater.

Further assessment is undertaken in **Section 6**.

## 6. Environmental Risk Assessment

The risk evaluation is centred around the site Conceptual Site Model, which considers the PPS and the receptors of concern for this SCR. Each of these is covered in Sections 6.1 to 6.3.

### 6.1 Receptors

Under this Application SCR, the only receptors of concern under EPR are land and groundwater, in addition to the potential effects on off-site surface water and the adjacent SSSI Canford Heath.

#### Land

Potential releases to land include:

- Spillage of waste, fuels or other materials;
- Leaks from tanks, containers, valves or pipework;
- Contaminated surface run-off.

The drainage system is engineered to current standards equipped with separators and silt traps and is subject to routine inspection and maintenance. Emergency plans will be in place and appropriate spill kits will be available to deal with leaks.

In addition to the design and engineering of the site, potential releases will be managed through operator checks and high standards of housekeeping. All tanks, pipes and valves will be designed to appropriate industry standards, will have a preventative maintenance programme to ensure on-going integrity and effectiveness, and are subject to operator checks for signs of leakage.

#### Groundwater

There are no point source releases to groundwater at the installation.

There is no plausible leaching and migration potential to shallow groundwater based on the mitigation measures described above for land.

The site is underlain by Made Ground and River Terrace Deposits, underlain by Poole Formation solid geology, of which both the superficial and solid geology are a Secondary A Aquifer. There are no groundwater abstractions or SPZ nearby. The aquifer is not a widely utilised aquifer in the area. Background groundwater quality has not been assessed although has the potential to be impacted by the presence of made ground on site and industrial activity in the area.

#### Surface Water

Operational areas of the site will have managed drainage with discharge through interceptors and silt traps. There will be a surface water management system on site, and discharge to surface water can be isolated in emergencies. Based on the level of protection proposed at the site, surface waters are not thought to be at significant risk from site impacts.

#### Adjacent SSSI

Based on the mitigation measures outlined above, i.e. it is a 'closed system', it is concluded that the proposed EfW CHP facility would be unlikely to lead to significant soil and / or groundwater related effects on the adjacent Canford Heath SSSI.

### 6.2 Conclusion

Proposed permitted operations at the site have an overall assessment of low risk. This is on the basis of use of purpose-built facilities which is a 'closed system', with trained and competent personnel who have been trained in emergency procedures.

As described in Section 2, this SCR is intended to be a live document that is updated through the life of the permit and at surrender (i.e. Sections 4.0 - 10.0 of the SCR template).

The use of PPS are managed and the risk is evaluated as low.

It is considered to be an option to quantify the levels of pre-existing contamination at the site with relatively recent site investigation information to avoid potentially being held responsible for addressing any contamination found at the site at permit surrender. In short, in the absence of relevant data, it can be difficult to prove a site was not responsible when future comparisons are made. As described within this report, a reasonably adequate exploratory site investigation has been undertaken.

Based on the existing site investigation data, Table 4.2 can be considered as the baseline, in particular with the following PPS having detected background concentrations at the site:

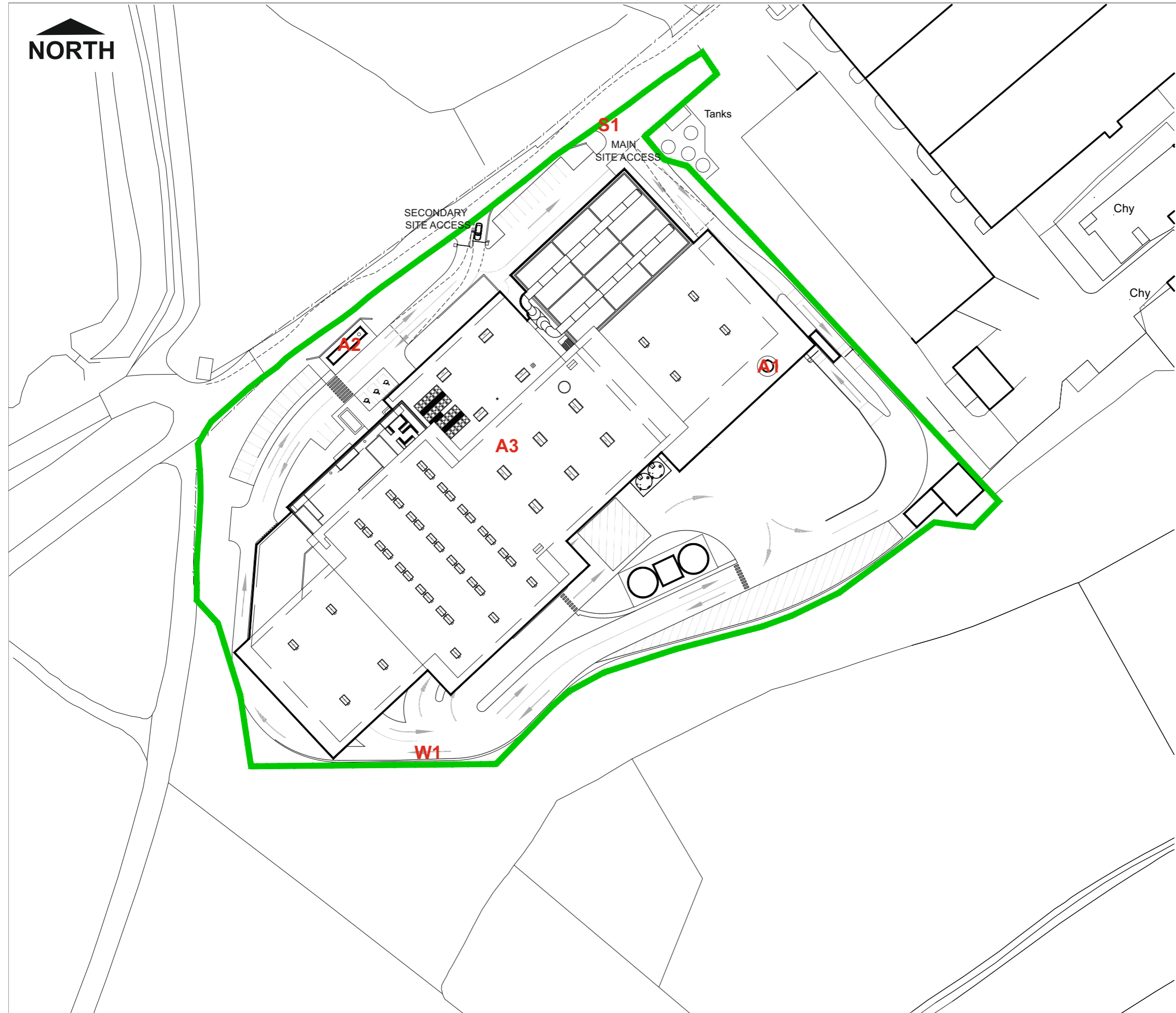
- Petroleum Hydrocarbons - <LOD – 2000mg/kg;
- Alkalinity (pH) – 5.9 to 10.1.

## Appendix A – Figures

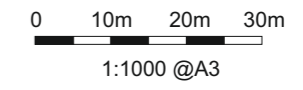
Figures reproduced from Bournemouth, Christchurch and Poole Council Planning pages, application reference: APP/23/00822/F

- Proposed Site Plan (Drawing ref. SC1643/PL 10-01, dated 23/02/23)
- Proposed Site Sections (Drawing ref. SC1643/PL 11-01, dated 23/02/23)

**NORTH**



- Key:**
- Permit Boundary
  - Emission Points
  - A[1] Air
  - W1 Water
  - S1 Sewer (foul)



MVV Environment Ltd



MVV Environment Limited  
Canford Energy from Waste Combined Heat  
and Power Facility  
Environmental Permit

**Figure: CRP001**  
**Permit Boundary and Emission Points**

## Appendix B – Groundsure EnviroInsight Report

CANFORD RECYCLING CENTRE, ARENA WAY, POOLE, BH21 3BW

**Order Details**

**Date:** 01/12/2021  
**Your ref:** EX-21-001  
**Our Ref:** GS-8371843  
**Client:** TerraFirma (South)

**Site Details**

**Location:** 403436 096713  
**Area:** 2.38 ha  
**Authority:** [Bournemouth, Christchurch and Poole Council](#)



**Summary of findings**

p. 2

**Aerial image**

p. 8

**OS MasterMap site plan**

p.13

[groundsure.com/insightuserguide](https://groundsure.com/insightuserguide)

## Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>14</b>	<b>1.1</b>	<b><u>Historical industrial land uses</u></b>	1	5	7	19	-
16	1.2	Historical tanks	0	0	0	0	-
16	1.3	Historical energy features	0	0	0	0	-
16	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	0	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<b>18</b>	<b>2.1</b>	<b><u>Historical industrial land uses</u></b>	2	6	8	25	-
20	2.2	Historical tanks	0	0	0	0	-
20	2.3	Historical energy features	0	0	0	0	-
21	2.4	Historical petrol stations	0	0	0	0	-
21	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
<b>22</b>	<b>3.1</b>	<b><u>Active or recent landfill</u></b>	0	0	1	2	-
<b>23</b>	<b>3.2</b>	<b><u>Historical landfill (BGS records)</u></b>	0	0	1	0	-
23	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<b>24</b>	<b>3.4</b>	<b><u>Historical landfill (EA/NRW records)</u></b>	0	1	2	1	-
<b>25</b>	<b>3.5</b>	<b><u>Historical waste sites</u></b>	0	0	2	0	-
<b>25</b>	<b>3.6</b>	<b><u>Licensed waste sites</u></b>	0	0	16	9	-
33	3.7	Waste exemptions	0	0	0	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>34</b>	<b>4.1</b>	<b><u>Recent industrial land uses</u></b>	0	0	8	-	-
35	4.2	Current or recent petrol stations	0	0	0	0	-
35	4.3	Electricity cables	0	0	0	0	-
35	4.4	Gas pipelines	0	0	0	0	-
36	4.5	Sites determined as Contaminated Land	0	0	0	0	-





36	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
36	4.7	Regulated explosive sites	0	0	0	0	-
36	4.8	Hazardous substance storage/usage	0	0	0	0	-
36	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
<b>37</b>	<b>4.10</b>	<b><u>Licensed industrial activities (Part A(1))</u></b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>-</b>
<b>38</b>	<b>4.11</b>	<b><u>Licensed pollutant release (Part A(2)/B)</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
38	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>38</b>	<b>4.13</b>	<b><u>Licensed Discharges to controlled waters</u></b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>-</b>
39	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
39	4.15	Pollutant release to public sewer	0	0	0	0	-
39	4.16	List 1 Dangerous Substances	0	0	0	0	-
39	4.17	List 2 Dangerous Substances	0	0	0	0	-
<b>39</b>	<b>4.18</b>	<b><u>Pollution Incidents (EA/NRW)</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>-</b>
<b>40</b>	<b>4.19</b>	<b><u>Pollution inventory substances</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
<b>41</b>	<b>4.20</b>	<b><u>Pollution inventory waste transfers</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
42	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
<b>43</b>	<b>5.1</b>	<b><u>Superficial aquifer</u></b>	Identified (within 500m)				
<b>45</b>	<b>5.2</b>	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
<b>47</b>	<b>5.3</b>	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
48	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
<b>48</b>	<b>5.5</b>	<b><u>Groundwater vulnerability- local information</u></b>	Identified (within 0m)				
<b>50</b>	<b>5.6</b>	<b><u>Groundwater abstractions</u></b>	0	0	0	6	1
<b>52</b>	<b>5.7</b>	<b><u>Surface water abstractions</u></b>	0	0	0	0	2
53	5.8	Potable abstractions	0	0	0	0	0
53	5.9	Source Protection Zones	0	0	0	0	-
53	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
<b>54</b>	<b>6.1</b>	<b><u>Water Network (OS MasterMap)</u></b>	3	1	8	-	-



<b>56</b>	<b>6.2</b>	<b><u>Surface water features</u></b>	1	1	7	-	-
<b>56</b>	<b>6.3</b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
<b>56</b>	<b>6.4</b>	<b><u>WFD Surface water bodies</u></b>	0	0	0	-	-
<b>57</b>	<b>6.5</b>	<b><u>WFD Groundwater bodies</u></b>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
58	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
58	7.2	Historical Flood Events	0	0	0	-	-
58	7.3	Flood Defences	0	0	0	-	-
59	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
59	7.5	Flood Storage Areas	0	0	0	-	-
60	7.6	Flood Zone 2	None (within 50m)				
60	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
<b>61</b>	<b>8.1</b>	<b><u>Surface water flooding</u></b>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
<b>63</b>	<b>9.1</b>	<b><u>Groundwater flooding</u></b>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>64</b>	<b>10.1</b>	<b><u>Sites of Special Scientific Interest (SSSI)</u></b>	1	0	0	0	1
<b>65</b>	<b>10.2</b>	<b><u>Conserved wetland sites (Ramsar sites)</u></b>	0	0	0	0	1
<b>66</b>	<b>10.3</b>	<b><u>Special Areas of Conservation (SAC)</u></b>	0	1	0	0	2
<b>67</b>	<b>10.4</b>	<b><u>Special Protection Areas (SPA)</u></b>	0	1	0	0	3
67	10.5	National Nature Reserves (NNR)	0	0	0	0	0
68	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
<b>68</b>	<b>10.7</b>	<b><u>Designated Ancient Woodland</u></b>	0	0	0	0	1
68	10.8	Biosphere Reserves	0	0	0	0	0
68	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
<b>69</b>	<b>10.11</b>	<b><u>Green Belt</u></b>	1	0	0	0	1
69	10.12	Proposed Ramsar sites	0	0	0	0	0



69	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<b>70</b>	<b>10.16</b>	<b><u>Nitrate Vulnerable Zones</u></b>	0	0	0	0	5
<b>71</b>	<b>10.17</b>	<b><u>SSSI Impact Risk Zones</u></b>	4	-	-	-	-
<b>73</b>	<b>10.18</b>	<b><u>SSSI Units</u></b>	1	0	0	3	12
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
81	11.1	World Heritage Sites	0	0	0	-	-
81	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
81	11.3	National Parks	0	0	0	-	-
81	11.4	Listed Buildings	0	0	0	-	-
82	11.5	Conservation Areas	0	0	0	-	-
82	11.6	Scheduled Ancient Monuments	0	0	0	-	-
82	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>83</b>	<b>12.1</b>	<b><u>Agricultural Land Classification</u></b>	Grade 5 (within 250m)				
<b>84</b>	<b>12.2</b>	<b><u>Open Access Land</u></b>	1	0	0	-	-
<b>84</b>	<b>12.3</b>	<b><u>Tree Felling Licences</u></b>	0	0	7	-	-
85	12.4	Environmental Stewardship Schemes	0	0	0	-	-
<b>85</b>	<b>12.5</b>	<b><u>Countryside Stewardship Schemes</u></b>	1	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>86</b>	<b>13.1</b>	<b><u>Priority Habitat Inventory</u></b>	1	9	19	-	-
<b>88</b>	<b>13.2</b>	<b><u>Habitat Networks</u></b>	2	0	4	-	-
<b>88</b>	<b>13.3</b>	<b><u>Open Mosaic Habitat</u></b>	0	1	0	-	-
89	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>90</b>	<b>14.1</b>	<b><u>10k Availability</u></b>	Identified (within 500m)				
<b>91</b>	<b>14.2</b>	<b><u>Artificial and made ground (10k)</u></b>	1	0	2	0	-
<b>92</b>	<b>14.3</b>	<b><u>Superficial geology (10k)</u></b>	2	2	4	6	-



93	14.4	Landslip (10k)	0	0	0	0	-
<b>94</b>	<b>14.5</b>	<b><u>Bedrock geology (10k)</u></b>	1	1	1	1	-
95	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>96</b>	<b>15.1</b>	<b><u>50k Availability</u></b>	Identified (within 500m)				
<b>97</b>	<b>15.2</b>	<b><u>Artificial and made ground (50k)</u></b>	1	0	2	0	-
<b>98</b>	<b>15.3</b>	<b><u>Artificial ground permeability (50k)</u></b>	1	0	-	-	-
<b>99</b>	<b>15.4</b>	<b><u>Superficial geology (50k)</u></b>	1	1	3	6	-
<b>100</b>	<b>15.5</b>	<b><u>Superficial permeability (50k)</u></b>	Identified (within 50m)				
100	15.6	Landslip (50k)	0	0	0	0	-
101	15.7	Landslip permeability (50k)	None (within 50m)				
<b>102</b>	<b>15.8</b>	<b><u>Bedrock geology (50k)</u></b>	1	1	1	1	-
<b>103</b>	<b>15.9</b>	<b><u>Bedrock permeability (50k)</u></b>	Identified (within 50m)				
103	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
104	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
<b>105</b>	<b>17.1</b>	<b><u>Shrink swell clays</u></b>	Moderate (within 50m)				
<b>106</b>	<b>17.2</b>	<b><u>Running sands</u></b>	Very low (within 50m)				
<b>107</b>	<b>17.3</b>	<b><u>Compressible deposits</u></b>	Moderate (within 50m)				
<b>109</b>	<b>17.4</b>	<b><u>Collapsible deposits</u></b>	Very low (within 50m)				
<b>110</b>	<b>17.5</b>	<b><u>Landslides</u></b>	Very low (within 50m)				
<b>111</b>	<b>17.6</b>	<b><u>Ground dissolution of soluble rocks</u></b>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
113	18.1	Natural cavities	0	0	0	0	-
<b>114</b>	<b>18.2</b>	<b><u>BritPits</u></b>	0	0	3	6	-
<b>115</b>	<b>18.3</b>	<b><u>Surface ground workings</u></b>	2	5	8	-	-
116	18.4	Underground workings	0	0	0	0	0
<b>116</b>	<b>18.5</b>	<b><u>Historical Mineral Planning Areas</u></b>	0	1	4	2	-



117	18.6	Non-coal mining	0	0	0	0	0
117	18.7	Mining cavities	0	0	0	0	0
118	18.8	JPB mining areas	None (within 0m)				
118	18.9	Coal mining	None (within 0m)				
118	18.10	Brine areas	None (within 0m)				
118	18.11	Gypsum areas	None (within 0m)				
118	18.12	Tin mining	None (within 0m)				
119	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<b>120</b>	<b>19.1</b>	<b>Radon</b>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<b>121</b>	<b>20.1</b>	<b>BGS Estimated Background Soil Chemistry</b>	5	4	-	-	-
121	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
122	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
123	21.1	Underground railways (London)	0	0	0	-	-
123	21.2	Underground railways (Non-London)	0	0	0	-	-
123	21.3	Railway tunnels	0	0	0	-	-
123	21.4	Historical railway and tunnel features	0	0	0	-	-
123	21.5	Royal Mail tunnels	0	0	0	-	-
124	21.6	Historical railways	0	0	0	-	-
124	21.7	Railways	0	0	0	-	-
124	21.8	Crossrail 1	0	0	0	0	-
124	21.9	Crossrail 2	0	0	0	0	-
124	21.10	HS2	0	0	0	0	-

## Recent aerial photograph



Capture Date: 01/06/2020

Site Area: 2.38ha





## Recent site history - 2017 aerial photograph



Capture Date: 19/06/2017

Site Area: 2.38ha



## Recent site history - 2012 aerial photograph



Capture Date: 22/05/2012

Site Area: 2.38ha





## Recent site history - 2005 aerial photograph



Capture Date: 23/06/2005

Site Area: 2.38ha





## Recent site history - 2000 aerial photograph

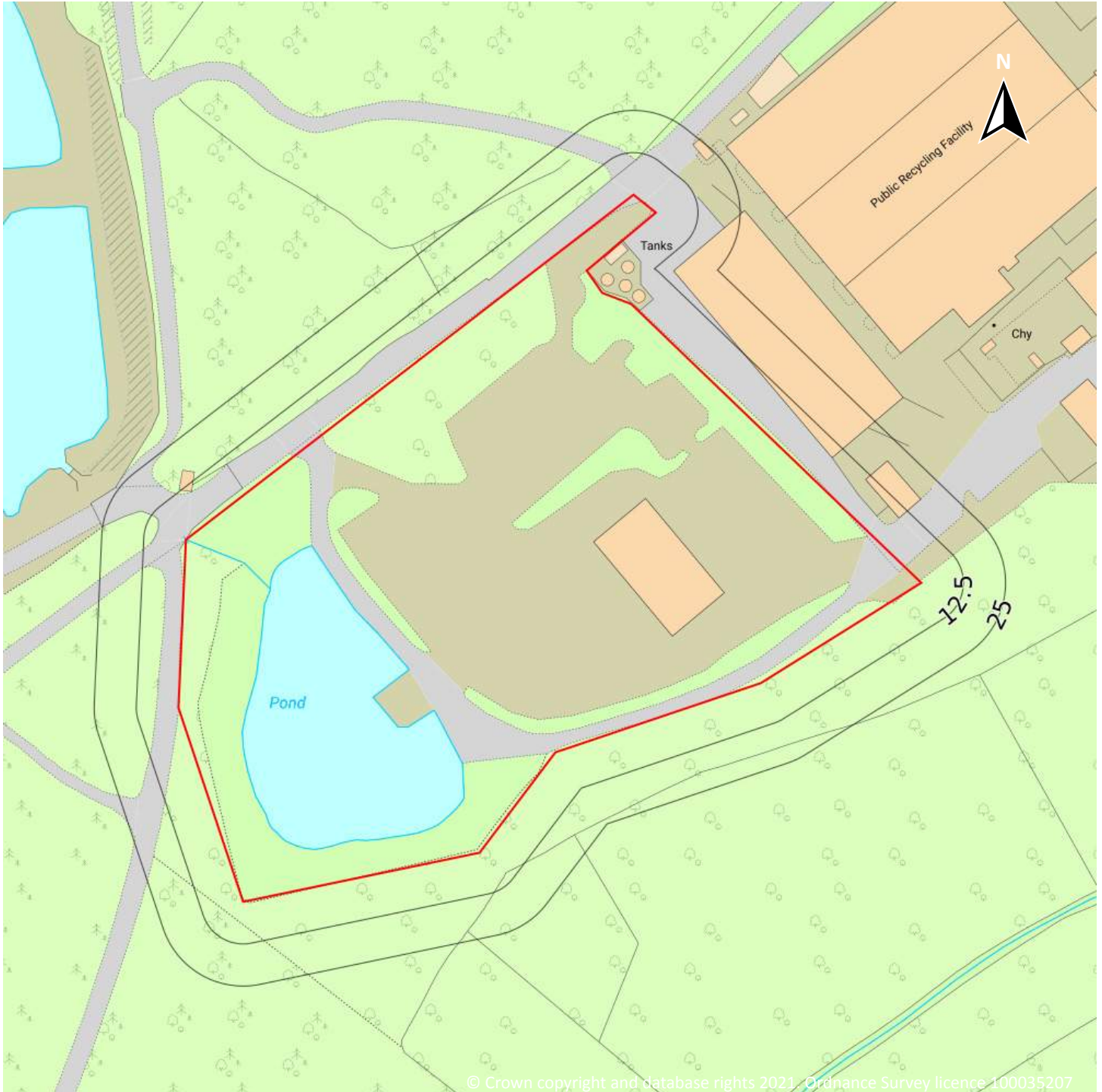


Capture Date: 17/06/2000

Site Area: 2.38ha



## OS MasterMap site plan

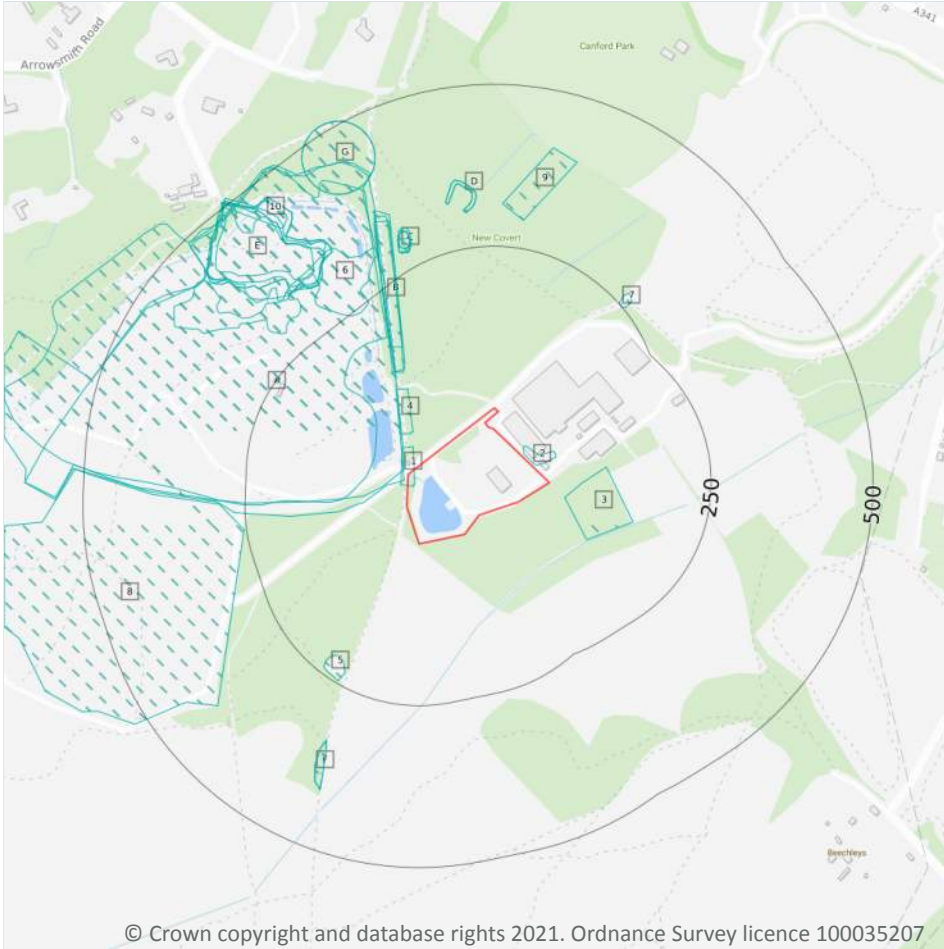


Site Area: 2.38ha






# 1 Past land use



**— Site Outline**

**Search buffers in metres (m)**

 **Historical industrial land uses**

## 1.1 Historical industrial land uses

**Records within 500m**

**32**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
1	On site	Cuttings	1934 - 1940	1979461

ID	Location	Land use	Dates present	Group ID
2	4m NE	Unspecified Disused Pit	1982	1972626
A	6m W	Sand and Gravel Pit	1982	1977528
A	10m NW	Sand and Gravel Pit	1988	1976531
3	33m SE	Nursery	1900	1970865
4	47m NW	Cuttings	1934 - 1940	1975359
A	58m W	Sand and Gravel Pit	1973	1977201
B	129m NW	Cuttings	1940	1982315
B	132m NW	Cuttings	1934	1983503
B	161m NW	Cuttings	1973	1976446
5	213m SW	Sand Pit	1963 - 1973	1983172
6	243m NW	Old Gravel Pit	1963	1969720
7	249m NE	Gravel Pit	1887	1972786
8	254m W	Sand and Gravel Pit	1988	1972233
C	275m NW	Unspecified Pit	1940	1976601
C	275m NW	Unspecified Pit	1900 - 1926	1980052
C	277m NW	Old Gravel Pit	1887	1969722
C	280m NW	Unspecified Pit	1934	1981208
C	282m NW	Unspecified Pit	1926	1975341
9	294m N	Nursery	1900	1970866
D	305m N	Unspecified Ground Workings	1982	1974304
D	305m N	Unspecified Ground Workings	1963 - 1973	1974493
E	316m NW	Gravel Pit	1887 - 1900	1975057
E	316m NW	Unspecified Pit	1926	1977309
E	318m NW	Unspecified Pit	1940	1980614
E	321m NW	Gravel Pits	1934	1971385
E	323m NW	Unspecified Ground Workings	1926	1978699
F	336m SW	Unspecified Pit	1926	1974211
F	336m SW	Unspecified Pit	1940	1984332



ID	Location	Land use	Dates present	Group ID
G	399m NW	Unspecified Bed	1963 - 1973	1977444
G	399m NW	Unspecified Bed	1982 - 1988	1984382
10	420m NW	Unspecified Ground Workings	1963	1984441

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.2 Historical tanks

**Records within 500m**

**0**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.3 Historical energy features

**Records within 500m**

**0**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

Records within 500m

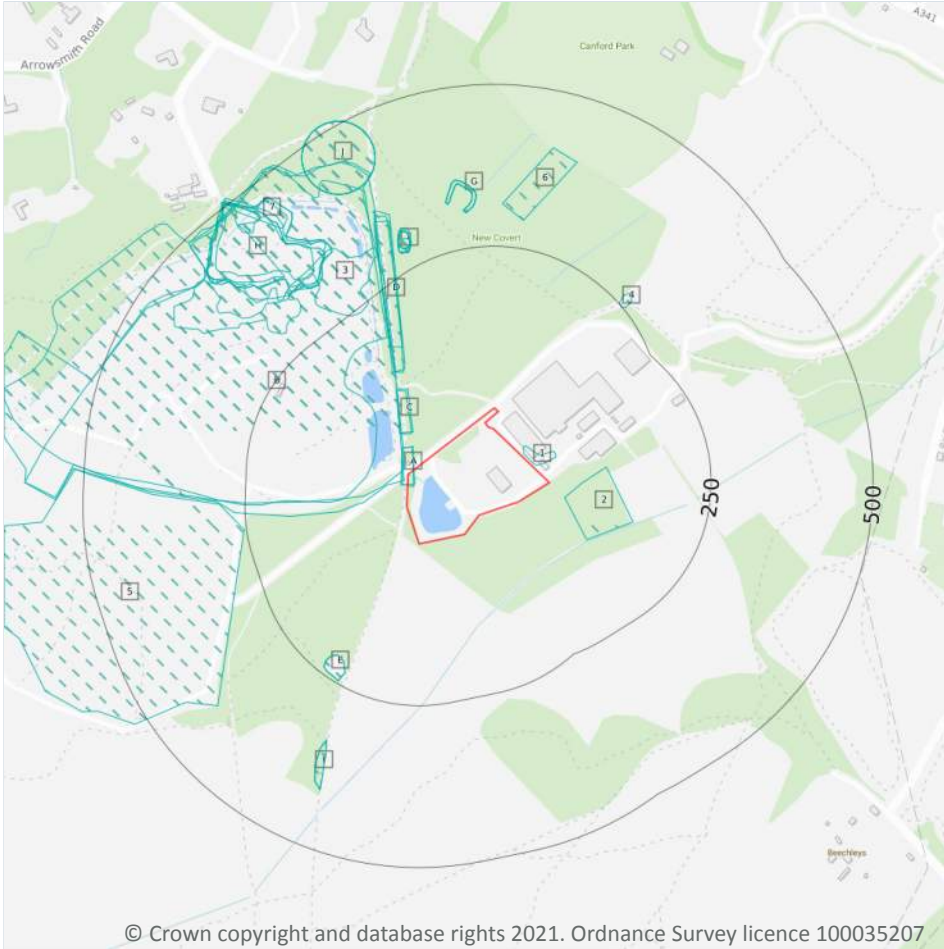
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*



## 2 Past land use - un-grouped



**Site Outline**

**Search buffers in metres (m)**

**Historical industrial land uses**

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### 2.1 Historical industrial land uses

**Records within 500m**

**41**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
A	On site	Cuttings	1940	1979461
A	On site	Cuttings	1934	1979461
1	4m NE	Unspecified Disused Pit	1982	1972626



ID	Location	Land Use	Date	Group ID
B	6m W	Sand and Gravel Pit	1982	1977528
B	10m NW	Sand and Gravel Pit	1988	1976531
2	33m SE	Nursery	1900	1970865
C	47m NW	Cuttings	1940	1975359
C	47m NW	Cuttings	1934	1975359
B	58m W	Sand and Gravel Pit	1973	1977201
D	129m NW	Cuttings	1940	1982315
D	132m NW	Cuttings	1934	1983503
D	161m NW	Cuttings	1973	1976446
E	213m SW	Sand Pit	1973	1983172
E	213m SW	Sand Pit	1963	1983172
3	243m NW	Old Gravel Pit	1963	1969720
4	249m NE	Gravel Pit	1887	1972786
5	254m W	Sand and Gravel Pit	1988	1972233
F	275m NW	Unspecified Pit	1940	1976601
F	275m NW	Unspecified Pit	1926	1980052
F	275m NW	Unspecified Pit	1900	1980052
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G	305m N	Unspecified Ground Workings	1982	1974304
G	305m N	Unspecified Ground Workings	1973	1974493
G	305m N	Unspecified Ground Workings	1963	1974493
H	316m NW	Unspecified Pit	1926	1977309
H	316m NW	Gravel Pit	1900	1975057
H	318m NW	Unspecified Pit	1940	1980614



ID	Location	Land Use	Date	Group ID
H	321m NW	Gravel Pits	1934	1971385
H	323m NW	Unspecified Ground Workings	1926	1978699
I	336m SW	Unspecified Pit	1940	1984332
I	336m SW	Unspecified Pit	1926	1974211
H	359m NW	Gravel Pit	1887	1975057
J	399m NW	Unspecified Bed	1988	1984382
J	399m NW	Unspecified Bed	1982	1984382
J	399m NW	Unspecified Bed	1973	1977444
J	399m NW	Unspecified Bed	1963	1977444
7	420m NW	Unspecified Ground Workings	1963	1984441

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.2 Historical tanks

**Records within 500m**

**0**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

**Records within 500m**

**0**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



## 2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

Records within 500m

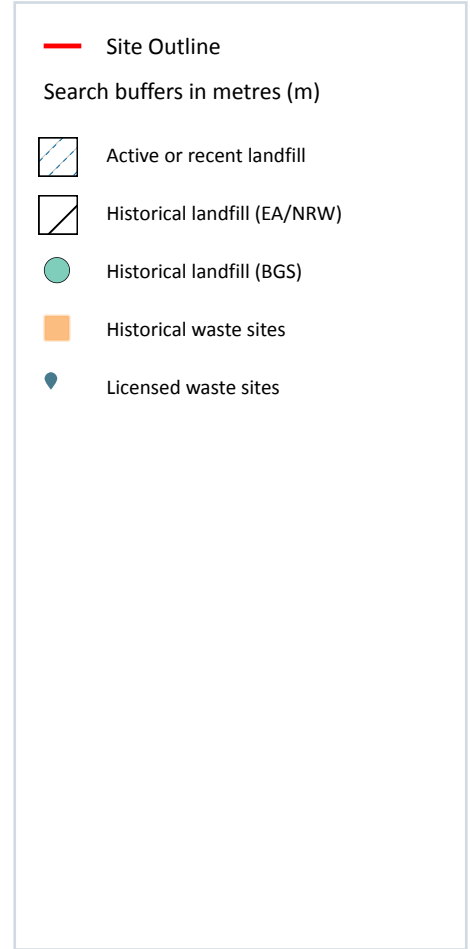
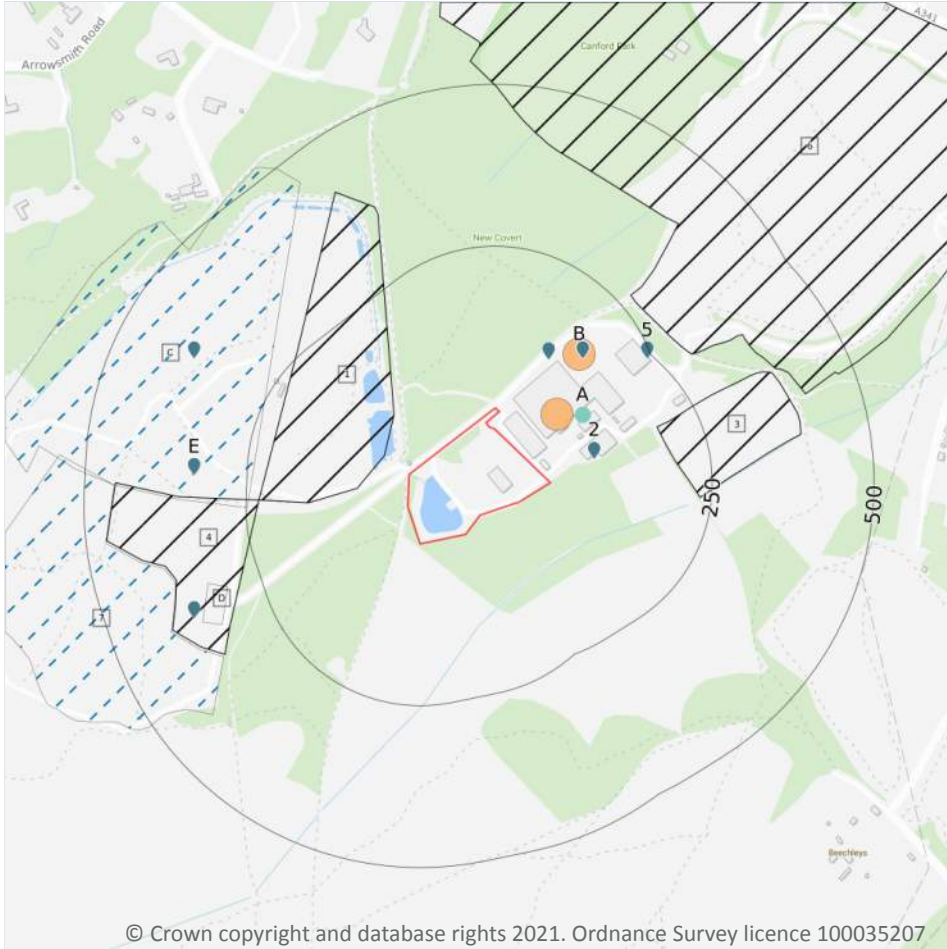
0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



### 3 Waste and landfill



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#### 3.1 Active or recent landfill

**Records within 500m** **3**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Details
C	238m W	<p>Operator: W H White Limited            Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ</p> <p>WML Number: 23629            EPR Reference: WHI098            Landfill type: A04: Household, Commercial &amp; Industrial Waste Landfill            Status: Modified            IPPC Reference: -            EPR Number: EA/EPR/BP3293FX/V006</p>

ID	Location	Details	
D	302m W	Operator: W H White Limited Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ	WML Number: 23530 EPR Reference: WHI097 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Modified IPPC Reference: - EPR Number: EA/EPR/VP3897HP/V003
7	349m SW	Operator: W H White Limited Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ	WML Number: 23598 EPR Reference: WHI064 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Modified IPPC Reference: - EPR Number: EA/EPR/JP3497HM/V008

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.2 Historical landfill (BGS records)

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Address	BGS Number	Risk	Waste Type
A	109m NE	Corporation Tip, Nagna Road, Canford, Poole	1188	No risk to aquifer	N/A

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

#### Records within 500m

**4**

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Details		
1	48m NW	Site Address: Whites Pit, North Canford Heath, Wimborne, Dorset Licence Holder Address: 1 Wood Lane, Bear Cross, Bournemouth	Waste Licence: Yes Site Reference: R29/634, WDL/175 (M2), WDL/82/68, PU10 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 25/05/1983 Licence Surrender: -	Operator: - Licence Holder: W H White and Company Limited First Recorded 31/12/1950 Last Recorded: -
3	185m NE	Site Address: Corporation Tip, Nagna Road, Canford, Poole, Dorset Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Poole Corporation Licence Holder: - First Recorded 30/06/1970 Last Recorded: -
4	230m W	Site Address: Whites Pit / Arrowsmith Road Pit, Cranford Heath, Poole, Wimborne, Dorset Licence Holder Address: Site Control Centre, Magna Road, Wimborne	Waste Licence: Yes Site Reference: WDL/85/86 (M2), R29/655 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 13/12/1985 Licence Surrender: -	Operator: - Licence Holder: W H White Limited First Recorded 31/12/1950 Last Recorded: -
6	269m NE	Site Address: Moortown Aerodrome Site, Magna Road, Poole, Dorset Licence Holder Address: Civic Centre, Poole, Dorset	Waste Licence: Yes Site Reference: WDL/84/80, R29/654, GDO 183 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 12/09/1984 Licence Surrender: 30/09/1992	Operator: - Licence Holder: Poole Borough Council First Recorded - Last Recorded: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*



### 3.5 Historical waste sites

Records within 500m

2

Waste site records derived from Local Authority planning records and high detail historical mapping. Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Address	Further Details	Date
A	58m NE	Site Address: New Earth Composting, Facility, Magna Road, Site, Control Centre, WIMBORNE, Dorset, BH21 3AP	Type of Site: Preparation Warehouses & Waste Storage Planning application reference: 06/31392/017/F Description: Scheme comprises retention of 2 storey office block and portacabin and construction of 2 single storey green waste storage and preparation warehouses and installation of water treatment tanks and bio filter bed. An application (ref: 06/31392/017/F) for detailed planning permission was granted by Poole B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	24/10/2006
B	126m NE	Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Type of Site: Waste Materials Recovery Facility Planning application reference: APP/15/00874/Y Description: Scheme comprises construction of commercial and industrial waste materials recovery facility with new weighbridge, office and welfare facilities including SUDS. The associated works include sewer systems, landscaping, infrastructure, enabling and access roads. Data source: Historic Planning Application Data Type: Point	28/10/2015

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*

### 3.6 Licensed waste sites

Records within 500m

25

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 22**



ID	Location	Details		
2	84m NE	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V003 Operator: W H White Ltd Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 08/03/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM203 EPR reference: EA/EPR/EB3102FV/S002 Operator: Commercial Recycling (Southern) Limited Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: 23/05/2016 Modified: 17/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM177 EPR reference: EA/EPR/FB3537RS/A001 Operator: Commercial Recycling Ltd Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM203 EPR reference: EA/EPR/EB3102FV/S002 Operator: Commercial Recycling ( Southern ) Limited Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: 23/05/2016 Modified: 17/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Whites Pit - Mechanical & Biological Treatment Plant Site Address: Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: White House, Magna Road, Wimborne, Bournemouth, Dorset, BH21 3AP	Type of Site: Composting Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI106 EPR reference: - Operator: W H White Plc Waste Management licence No: 23707 Annual Tonnage: 12000	Issue Date: 01/05/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	159m NE	Site Name: Canford Recycling Centre Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: FP3394EZ/V002 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 02/06/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: New Earth Solutions ( Canford) Ltd Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Composting Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V002 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 12000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 28/05/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	159m NE	Site Name: Canford M B T Facility Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V003 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 100000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 28/06/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V004 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 100000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 14/12/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: EA/EPR/FP3394EZ/V004 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM199 EPR reference: EA/EPR/DB3904GC/T001 Operator: Commercial Recycling (southern) Limited Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 11/03/2016 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	159m NE	Site Name: Canford Recycling Centre Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: EA/EPR/FP3394EZ/V002 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 02/06/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM199 EPR reference: EA/EPR/DB3904GC/T001 Operator: Commercial Recycling ( Southern ) Limited Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 11/03/2016 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V006 Operator: New Earth Solutions ( Canford ) Limited Waste Management licence No: 23707 Annual Tonnage: 125000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 09/10/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V006 Operator: New Earth Solutions ( Canford) Limited Waste Management licence No: 23707 Annual Tonnage: 125000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 09/10/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
5	246m NE	Site Name: - Site Address: Canford Recycling Centre, Magna Road, Whites Pit, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI099 EPR reference: EA/EPR/LP3393FA/S002 Operator: W H White Plc Waste Management licence No: 23644 Annual Tonnage: 0	Issue Date: 07/10/1994 Effective Date: - Modified: - Surrendered Date: Jul 21 2010 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V003 Operator: W H White Limited Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 12/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: White's Pit Northern Area Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/V006 Operator: W H White Limited Waste Management licence No: 23629 Annual Tonnage: 0	Issue Date: 18/06/1982 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V008 Operator: W H White Limited Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V008 Operator: W H White Limited Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V003 Operator: W H White Limited Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 12/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: White's Pit Northern Area Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/V006 Operator: W H White Limited Waste Management licence No: 23629 Annual Tonnage: 0	Issue Date: 18/06/1982 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	363m W	Site Name: Whites Pit South Ext Part 1 ( Recycling ) Site Address: Magna Road, ( Recycling Area), Wimborne, Dorset, BH21 3AP Correspondence Address: White House, Magna Road, Wimborne, Dorset, BH21 3AP	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: - Operator: W H White Plc . Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 30/04/1998 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	363m W	Site Name: Whites Pit Landfill Site Site Address: Land/ Premises At, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V002 Operator: W H White Plc Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 30/04/1998 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	383m NW	Site Name: Whites Pit (northern Area) Site Address: Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/A001 Operator: W H White Plc Waste Management licence No: 23629 Annual Tonnage: 75000	Issue Date: 18/06/1982 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.7 Waste exemptions

<b>Records within 500m</b>	<b>0</b>
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- 📍 Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

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### 4.1 Recent industrial land uses

Records within 250m

8

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	Activity	Category
A	66m E	Public Recycling Facility	Dorset, BH21	Recycling Centres	Infrastructure and Facilities
A	70m NE	Chimney	Dorset, BH21	Chimneys	Industrial Features



ID	Location	Company	Address	Activity	Category
A	79m NE	Electricity Sub Station	Dorset, BH21	Electrical Features	Infrastructure and Facilities
A	80m NE	New Earth Solutions	Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Recycling, Reclamation and Disposal	Recycling Services
A	80m NE	Commercial Recycling	Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Waste Storage, Processing and Disposal	Infrastructure and Facilities
2	141m NE	Hopper	Dorset, BH21	Hoppers and Silos	Farming
C	169m NE	Works	Dorset, BH21	Unspecified Works Or Factories	Industrial Features
3	214m SW	Workings (Dis)	Dorset, BH21	Unspecified Quarries Or Mines	Extractive Industries

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m** **0**

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

**Records within 500m** **0**

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

**Records within 500m** **0**

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*



## 4.5 Sites determined as Contaminated Land

Records within 500m	0
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Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
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Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

Records within 500m	0
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Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

Records within 500m	0
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Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m	0
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Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

5

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Details	
1	On site	<b>Operator: CANFORD RENEWABLE ENERGY LIMITED</b> <b>Installation Name: CANFORD RENEWABLE ENERGY HYDROGEN PLANT - EPR/RP3206LB</b> <b>Process: INORGANIC CHEMICALS; GASES EG AMMONIA</b> <b>Permit Number: RP3206LB</b> <b>Original Permit Number: RP3206LB</b>	<b>EPR Reference: -</b> <b>Issue Date: 14/05/2021</b> <b>Effective Date: 14/05/2021</b> <b>Last date noted as effective: 01/07/2021</b> <b>Status: EFFECTIVE</b>
A	89m E	Operator: NEW EARTH SOLUTIONS (CANFORD) LIMITED Installation Name: CANFORD MBT FACILITY EPR/FP3393SB Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: FP3908BY Original Permit Number: SP3035AC	EPR Reference: - Issue Date: 18/12/2019 Effective Date: 18/12/2019 Last date noted as effective: 01/07/2021 Status: EFFECTIVE
C	159m NE	Operator: NEW EARTH SOLUTIONS (CANFORD) LIMITED Installation Name: CANFORD MBT FACILITY EPR/SP3035AC Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: SP3035AC Original Permit Number: SP3035AC	EPR Reference: - Issue Date: 09/10/2015 Effective Date: 09/10/2015 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
D	214m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WHITES PIT Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV7184IP Original Permit Number: BV7184IP	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/07/2021 Status: REFUSED
D	214m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV7184 Original Permit Number: BV7184	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS



This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

1

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
A	110m NE	Syngas Products Ltd, Canford Low CEF, Arena Way, Poole, BH21 3BW	Process: Combustion & Incineration Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

#### 4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.13 Licensed Discharges to controlled waters

Records within 500m

2

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
B	117m SE	WHITE'S PIT B4 LAGOON, MAGNA ROAD, WIMBORNE, DORSET, ., BH21 3AP	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 400113 Permit Version: 1 Receiving Water: KNIGHTON BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/12/1999 Effective Date: 22/12/1999 Revocation Date: 24/11/2009
B	117m SE	WHITE'S PIT B4 LAGOON, MAGNA ROAD, WIMBORNE, DORSET, ., BH21 3AP	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 400113 Permit Version: 2 Receiving Water: KNIGHTON BROOK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/11/2009 Effective Date: 25/11/2009 Revocation Date: -



*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
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Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.15 Pollutant release to public sewer

Records within 500m	0
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Discharges of Special Category Effluents to the public sewer.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.16 List 1 Dangerous Substances

Records within 500m	0
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Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.17 List 2 Dangerous Substances

Records within 500m	0
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Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.18 Pollution Incidents (EA/NRW)

Records within 500m	5
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Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Details	
A	103m E	Incident Date: 23/07/2018 Incident Identification: 1636143 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
E	393m W	Incident Date: 07/07/2003 Incident Identification: 171498 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	417m W	Incident Date: 07/05/2003 Incident Identification: 156690 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	463m W	Incident Date: 13/05/2003 Incident Identification: 158141 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4	480m NW	Incident Date: 12/05/2003 Incident Identification: 157754 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.19 Pollution inventory substances

**Records within 500m**

**1**

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 34**

ID: A, Location: 89m E, Permit: FP3393SB  
 Operator: New Earth Solutions (Canford) Limited  
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT  
 Address: Canford MBT Facility, Site Control Centre Magna Road Wimborne Dorset BH21 3AP  
 Sector: Biowaste, Sub-sector: Biowaste Treatment  
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	Below Reporting Threshold

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

## 4.20 Pollution inventory waste transfers

<b>Records within 500m</b>	<b>1</b>
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The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 34**

ID: A, Location: 89m E, Permit: FP3393SB  
 Operator: New Earth Solutions (Canford) Limited  
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT  
 Address: Canford MBT Facility, Site Control Centre Magna Road Wimborne Dorset BH21 3AP  
 Sector: Biowaste, Sub-sector: Biowaste Treatment  
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	3241.16	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	234.6	Absolute Value	20 03 04	septic tank sludge	No
D1	Deposit into or onto land (eg landfill, etc.)	6678.72	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No





Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	29.34	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R5	Recycling/reclamation of other inorganic materials	3463.18	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R1	Use principally as a fuel or other means to generate energy	66303.56	Absolute Value	19 12 10	combustible waste (refuse derived fuel)	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2207.12	Absolute Value	20 01 08	biodegradable kitchen and canteen waste	No
R4	Recycling/reclamation of metals and metal compounds	591.96	Absolute Value	19 12 02	ferrous metal	No
R4	Recycling/reclamation of metals and metal compounds	68.32	Absolute Value	19 12 03	non-ferrous metal	No
R10	Land treatment resulting in benefit to agriculture or ecological improvement	7977.1	Absolute Value	19 05 99	wastes not otherwise specified	No

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

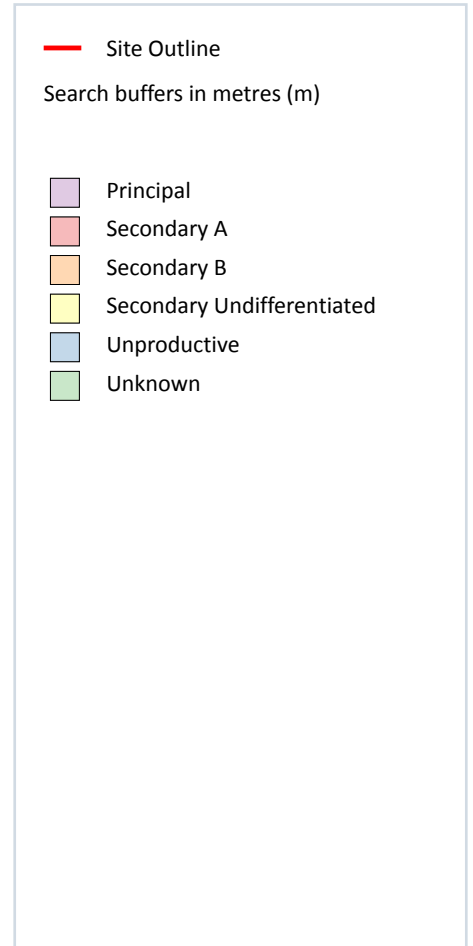
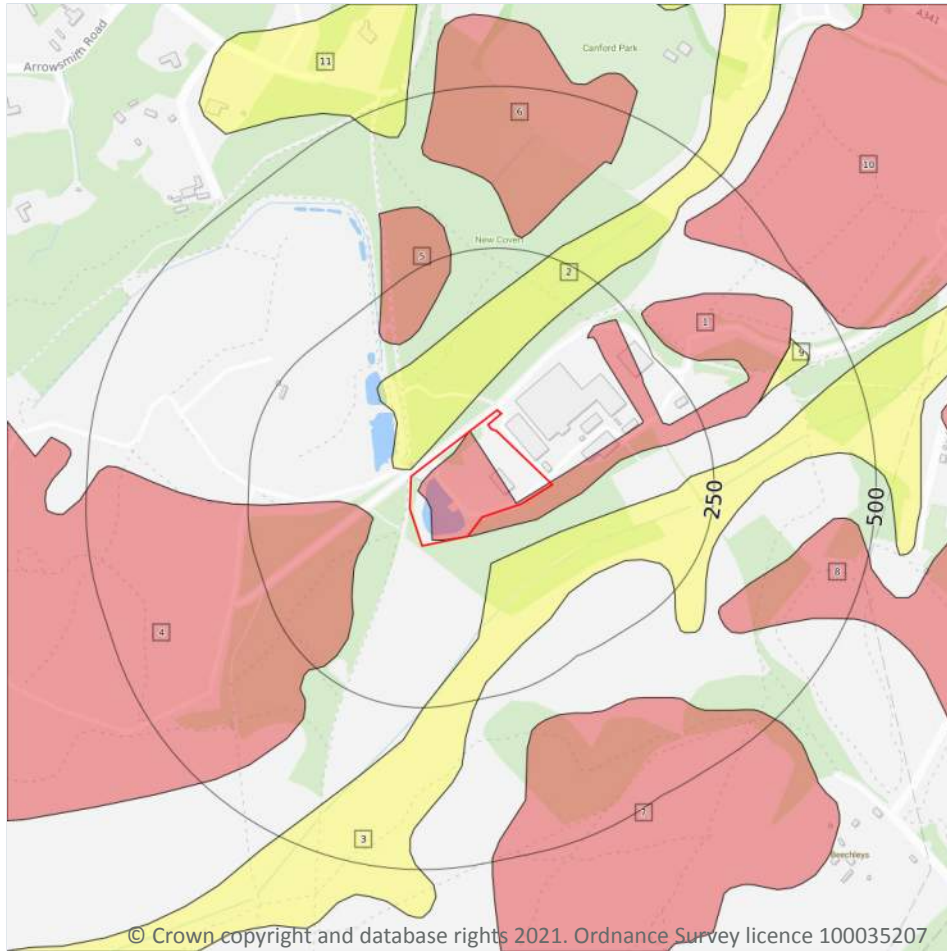
## 4.21 Pollution inventory radioactive waste

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 5 Hydrogeology - Superficial aquifer



### 5.1 Superficial aquifer

Records within 500m

11

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 43**

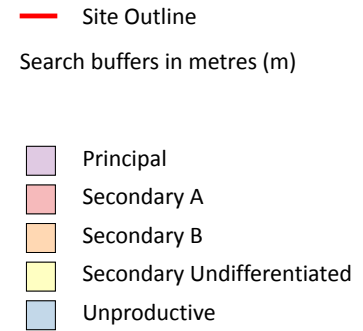
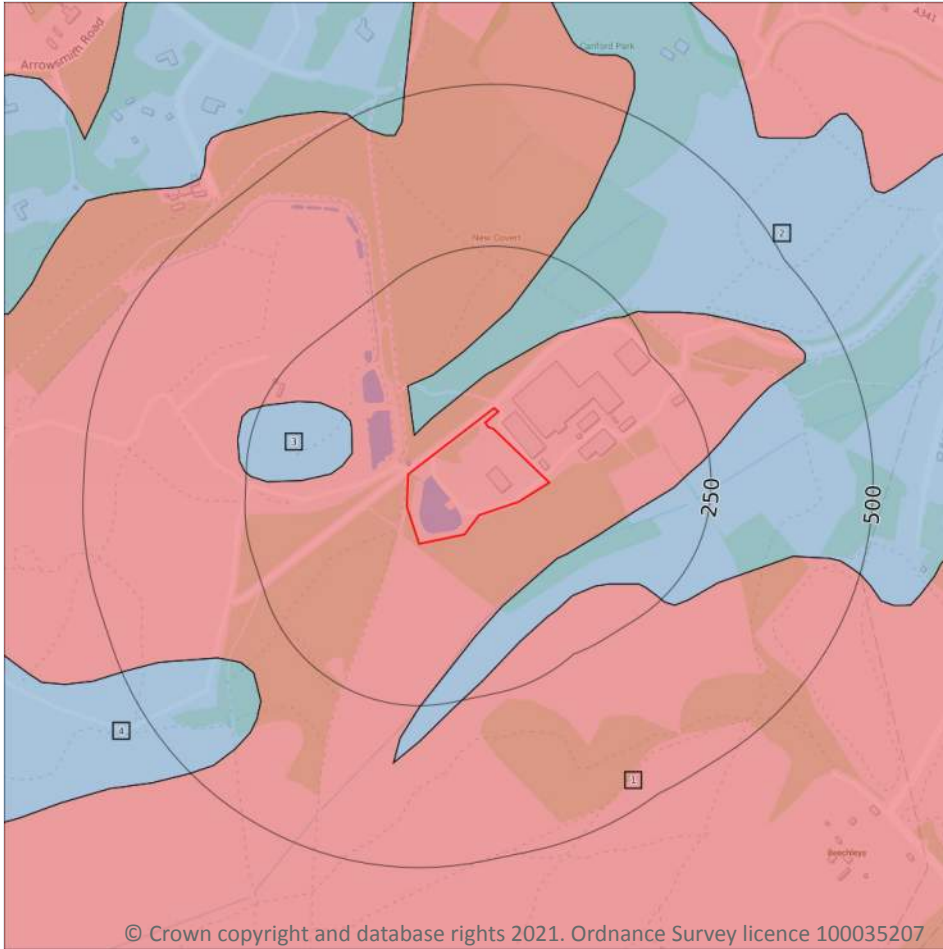
ID	Location	Designation	Description
1	On site	Secondary A	<b>Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers</b>
2	9m NW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

ID	Location	Designation	Description
3	55m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	58m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	169m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	269m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
7	308m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	321m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
9	344m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
10	396m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
11	448m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 45**

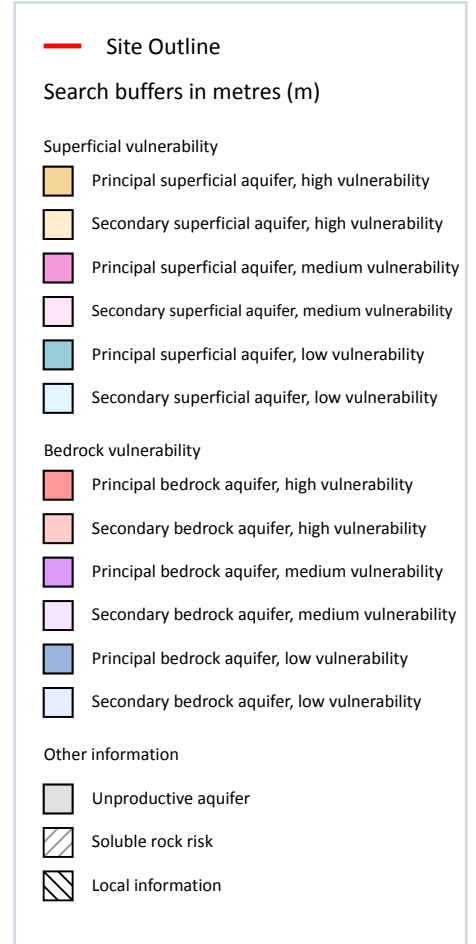
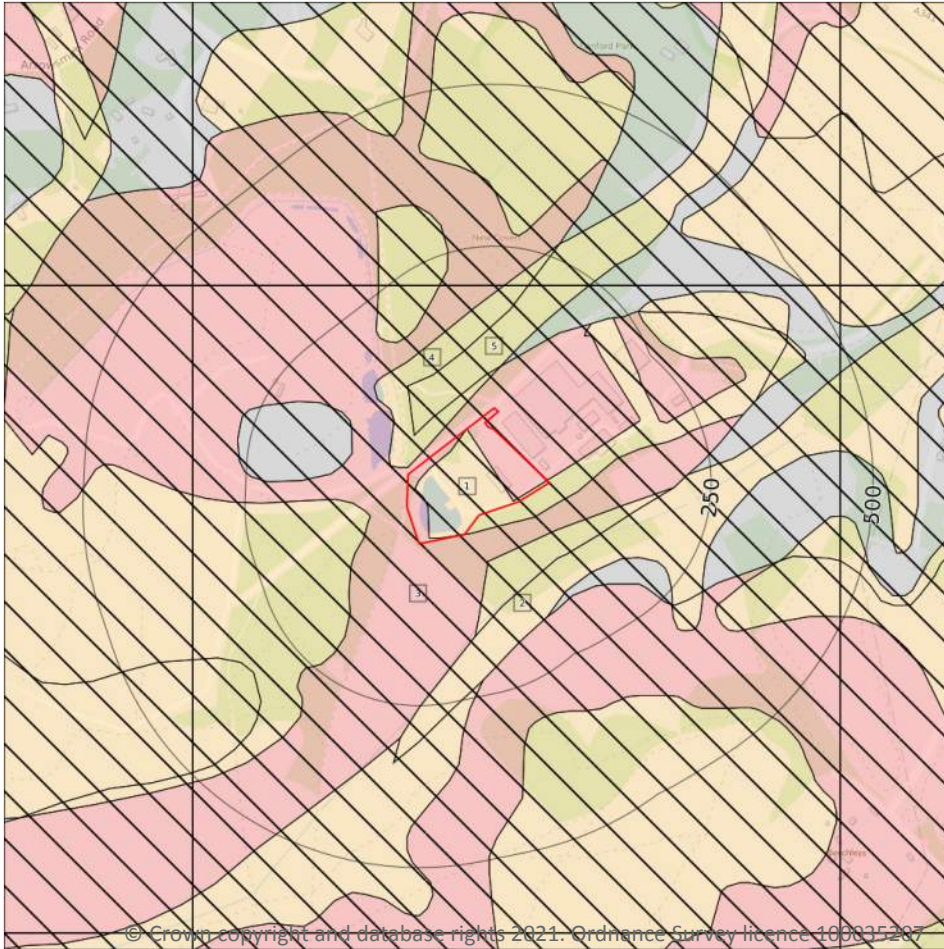
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	42m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	92m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	324m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

4

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 47**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Thickness: &lt;3m</b> <b>Patchiness value: &lt;90%</b> <b>Recharge potential:</b> Medium	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Flow mechanism: Well connected fractures</b>
3	On site	<b>Summary Classification:</b> Secondary bedrock aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, No Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: -</b> <b>Aquifer type: -</b> <b>Thickness: &lt;3m</b> <b>Patchiness value: &lt;90%</b> <b>Recharge potential:</b> Medium	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Flow mechanism: Well connected fractures</b>
4	8m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
5	42m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

## 5.4 Groundwater vulnerability- soluble rock risk

### Records on site

0

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

## 5.5 Groundwater vulnerability- local information

### Records on site

1

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by



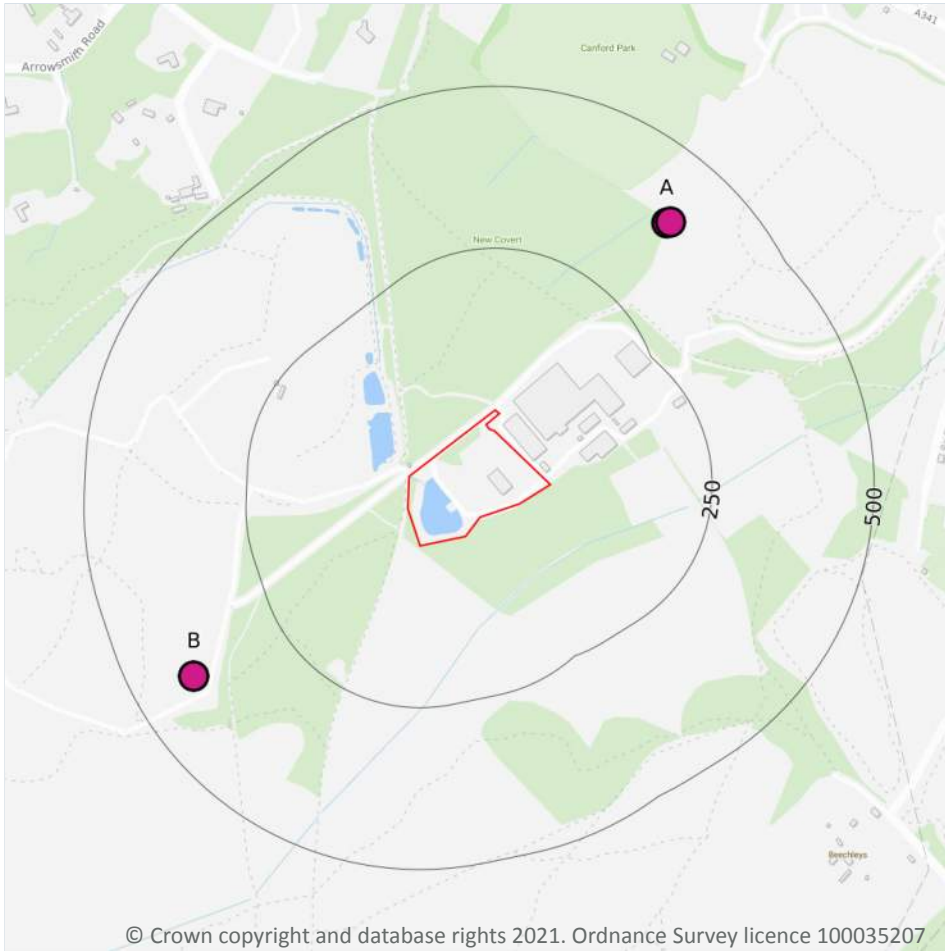


email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk).

ID	Summary	Additional information
2	<b>Increased vulnerability of superficial river deposits</b>	<b>Exposed areas of river terrace deposits</b>

*This data is sourced from the British Geological Survey and the Environment Agency.*

## Abstractions and Source Protection Zones



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### 5.6 Groundwater abstractions

Records within 2000m

7

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 50**

ID	Location	Details	
A	391m NE	Status: Historical Licence No: 13/43/037/G/131 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Ltd Easting: 403730 Northing: 97100	Annual Volume (m <sup>3</sup> ): 27600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 101 Version Start Date: 16/08/2000 Version End Date: -
A	396m NE	Status: Active Licence No: 13/43/037/G/131 Details: Process Water Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Sports Ltd Easting: 403736 Northing: 97101	Annual Volume (m <sup>3</sup> ): 27,600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 103 Version Start Date: 20/06/2018 Version End Date: -
A	396m NE	Status: Active Licence No: 13/43/037/G/131 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Sports Ltd Easting: 403736 Northing: 97101	Annual Volume (m <sup>3</sup> ): 27,600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 103 Version Start Date: 20/06/2018 Version End Date: -
B	403m SW	Status: Historical Licence No: 13/43/037/G/115 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: Ground Water - Fresh Point: "CANFORD HEATH, WIMBORNE BOREHOLE #1" Data Type: Point Name: W H White Plc Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 100 Version Start Date: 14/06/1996 Version End Date: -
B	403m SW	Status: Historical Licence No: 13/43/037/G/115 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Ground Water - Fresh Point: CANFORD HEATH, WIMBORNE BOREHOLE #1 Data Type: Point Name: W H White Plc Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): 30000 Max Daily Volume (m <sup>3</sup> ): 200 Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 101 Version Start Date: 05/08/2011 Version End Date: -



ID	Location	Details	
B	403m SW	Status: Active Licence No: 13/43/037/G/115 Details: Mineral Washing Direct Source: Ground Water - Fresh Point: CANFORD HEATH, WIMBORNE BOREHOLE #1 Data Type: Point Name: W H White Limited Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): 30,000 Max Daily Volume (m <sup>3</sup> ): 200 Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 102 Version Start Date: 04/07/2017 Version End Date: -
-	1736m W	Status: Historical Licence No: 13/43/037/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BLACKWATER FARM WELL POINT #1 Data Type: Point Name: Waters Easting: 401700 Northing: 97300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/07/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1967 Version End Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.7 Surface water abstractions

### Records within 2000m

2

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 50**

ID	Location	Details	
-	1227m NW	Status: Historical Licence No: 13/43/037/S/127 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: Surface Water - Fresh Point: ARROWSMITH STREAM AT CANFORD MAGNA Data Type: Point Name: Coward Easting: 402900 Northing: 97900	Annual Volume (m <sup>3</sup> ): 56775 Max Daily Volume (m <sup>3</sup> ): 207.4 Original Application No: - Original Start Date: 04/10/1995 Expiry Date: - Issue No: 101 Version Start Date: 01/09/2005 Version End Date: -



ID	Location	Details	
-	1227m NW	Status: Active Licence No: 13/43/037/S/127 Details: Lake & Pond Throughflow Direct Source: Surface Water - Fresh Point: ARROWSMITH STREAM AT CANFORD MAGNA Data Type: Point Name: Coward Easting: 402900 Northing: 97900	Annual Volume (m <sup>3</sup> ): 56,775 Max Daily Volume (m <sup>3</sup> ): 207.40 Original Application No: - Original Start Date: 04/10/1995 Expiry Date: - Issue No: 101 Version Start Date: 01/09/2005 Version End Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.8 Potable abstractions

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.9 Source Protection Zones

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

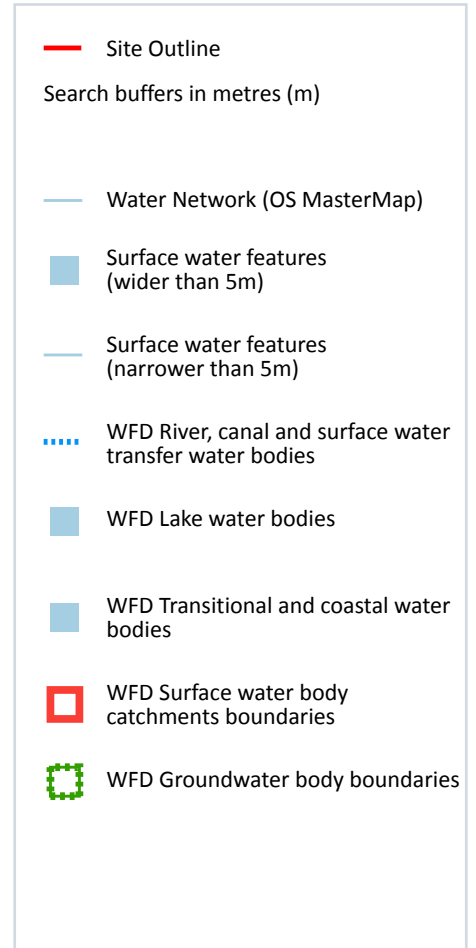
## 5.10 Source Protection Zones (confined aquifer)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

12

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	39m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	102m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
1	104m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	113m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	161m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	172m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	209m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	215m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
3	223m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

*This data is sourced from the Ordnance Survey.*





## 6.2 Surface water features

Records within 250m

9

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 54**

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	Stour (Lower)	GB108043011040	Stour Dorset	Dorset

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1694m NE	River	Stour (Lower)	<a href="#">GB108043011040</a>	Moderate	Fail	Moderate	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Lower Dorset Stour and Lower Hampshire Avon	<a href="#">GB40802G805800</a>	Poor	Poor	Good	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7 River and coastal flooding

### 7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.2 Historical Flood Events

Records within 250m

0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## River and coastal flooding - Flood Zones

### 7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.7 Flood Zone 3

Records within 50m

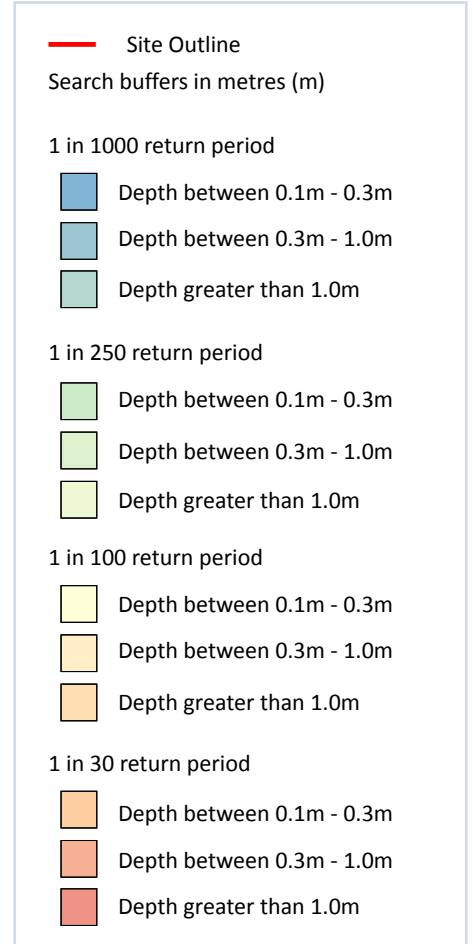
0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 8 Surface water flooding



### 8.1 Surface water flooding

**Highest risk on site**

**1 in 30 year, 0.1m - 0.3m**

**Highest risk within 50m**

**1 in 30 year, 0.3m - 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 61**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

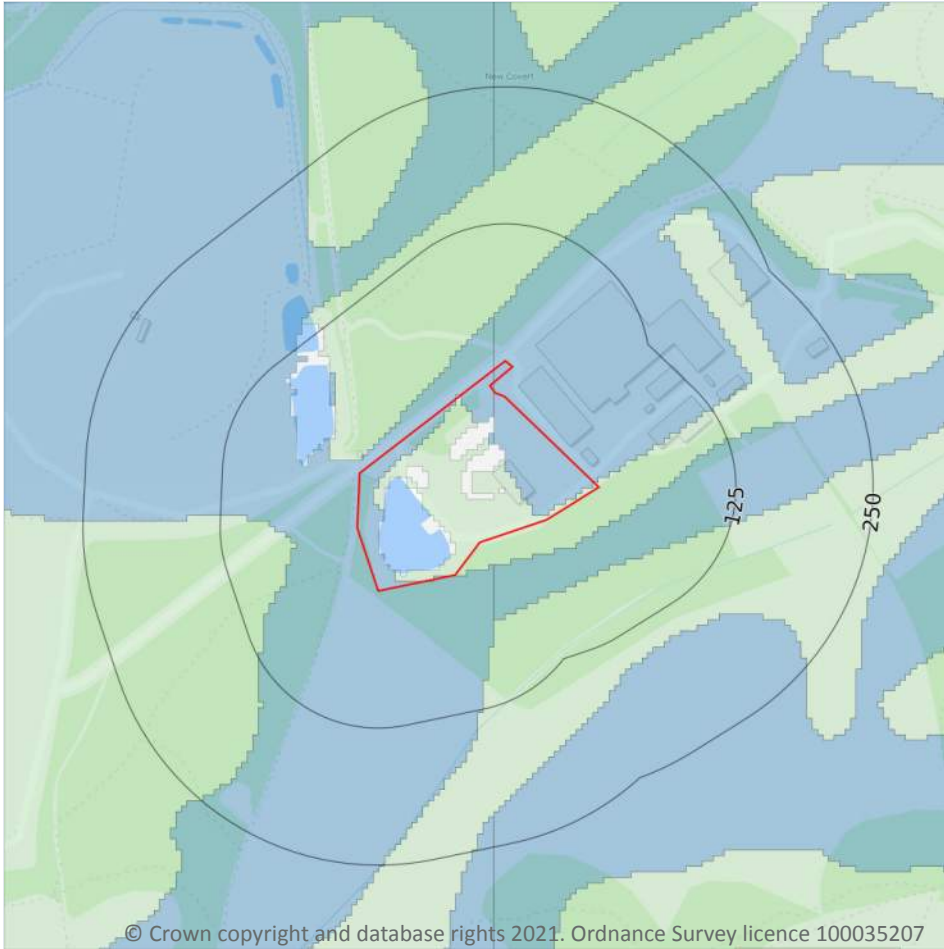
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Low**

**Highest risk within 50m**

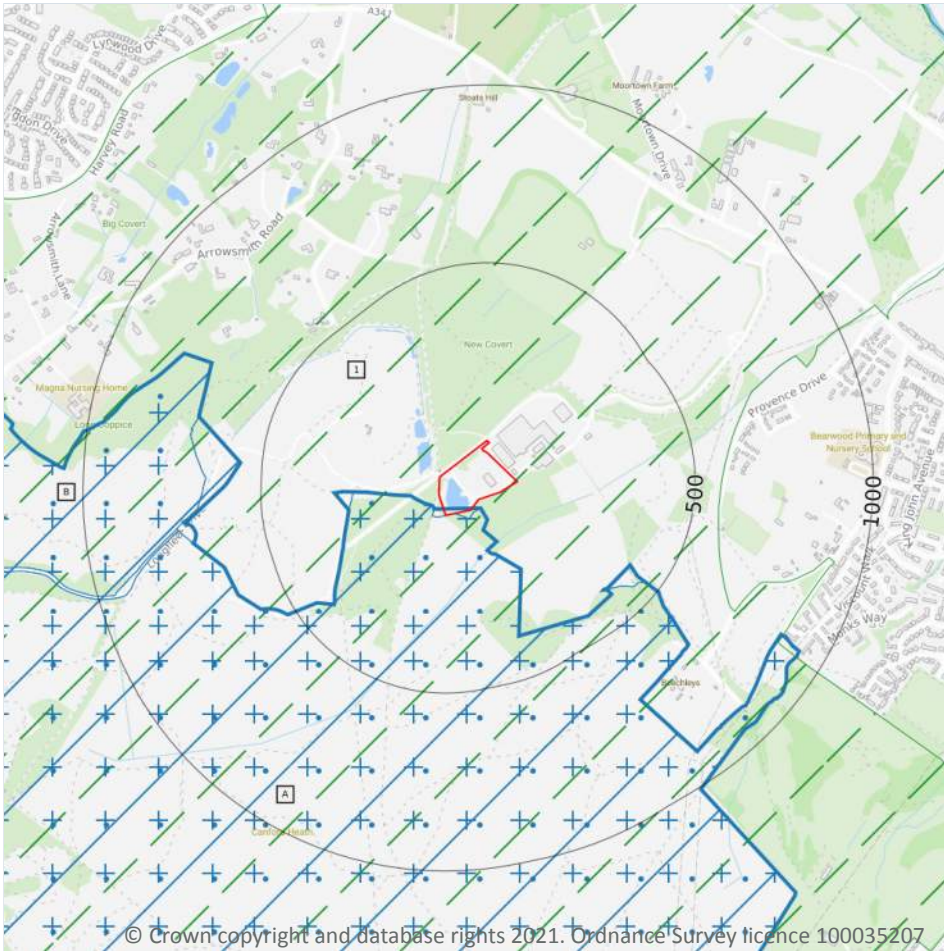
**Low**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 63**

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- + Sites of Special Scientific Interest (SSSI)
- X Conserved wetland sites (Ramsar sites)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- / Designated Ancient Woodland
- / Green Belt

### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Data source
A	On site	Canford Heath	Natural England



ID	Location	Name	Data source
-	1730m W	Canford Heath	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.2 Conserved wetland sites (Ramsar sites)

<b>Records within 2000m</b>	<b>1</b>
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Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Site	Details
-	1585m SW	Name: Dorset Heathlands Site status: Listed Data source: Natural England	<p>Overview: Extensive and fragmented, these heathland areas are centred around the estuary of Poole Harbour and are adjacent to the urban conurbation of Bournemouth and Poole. The heathland contains numerous examples of wet heath and acid valley mire, habitats that are restricted to the Atlantic fringe of Europe. These heath wetlands are among the best of their type in lowland Britain. There are also transitions to coastal wetland and fen habitat types. The wetland flora and fauna includes a large assemblage of nationally rare and scarce species, especially invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 1 Contains particularly good examples of (i) northern Atlantic wet heaths with cross-leaved heath <i>Erica tetralix</i> and (ii) acid mire with <i>Rhynchosporion</i>. Contains largest example in Britain of southern Atlantic wet heaths with Dorset heath <i>Erica ciliaris</i> and cross-leaved heath <i>Erica tetralix</i>. Ramsar criterion 2 Supports 1 nationally rare and 13 nationally scarce wetland plant species, and at least 28 nationally rare wetland invertebrate species. Ramsar criterion 3 Has a high species richness and high ecological diversity of wetland habitat types and transitions, and lies in one of the most biologically-rich wetland areas of lowland Britain, being continuous with three other Ramsar sites: Poole Harbour, Avon Valley and The New Forest.</p>

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 10.3 Special Areas of Conservation (SAC)

<b>Records within 2000m</b>	<b>3</b>
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Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Features of interest	Habitat description	Data source
A	0m S	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
B	656m W	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
-	1730m W	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.4 Special Protection Areas (SPA)

Records within 2000m

4

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Species of interest	Habitat description	Data source
A	0m S	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
B	656m W	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
-	1419m S	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
-	1730m W	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*





## 10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

Records within 2000m

1

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Woodland Type
-	1551m W	Arrowsmith Coppice	Ancient & Semi-Natural Woodland

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*



## 10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.11 Green Belt

Records within 2000m

2

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Local Authority name
1	On site	Bournemouth, Christchurch and Poole	Bournemouth, Christchurch and Poole
5	1695m NE	Bournemouth, Christchurch and Poole	Dorset

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

## 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*





## 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

## 10.16 Nitrate Vulnerable Zones

Records within 2000m

5

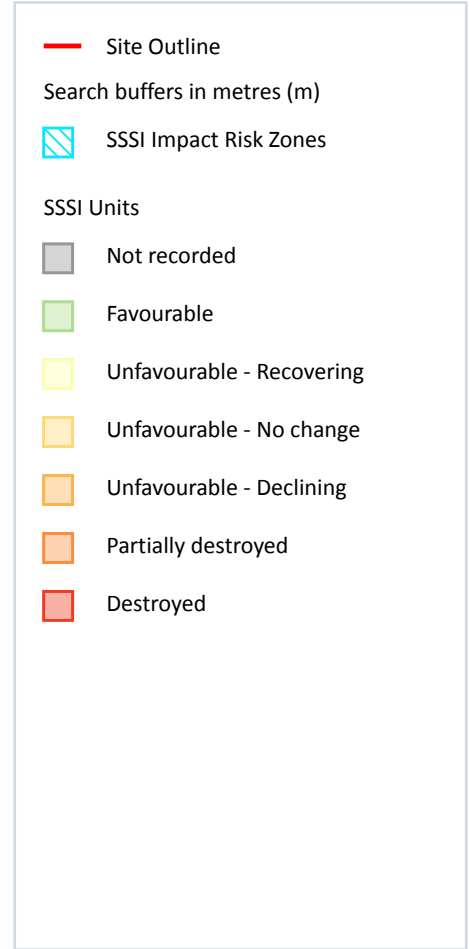
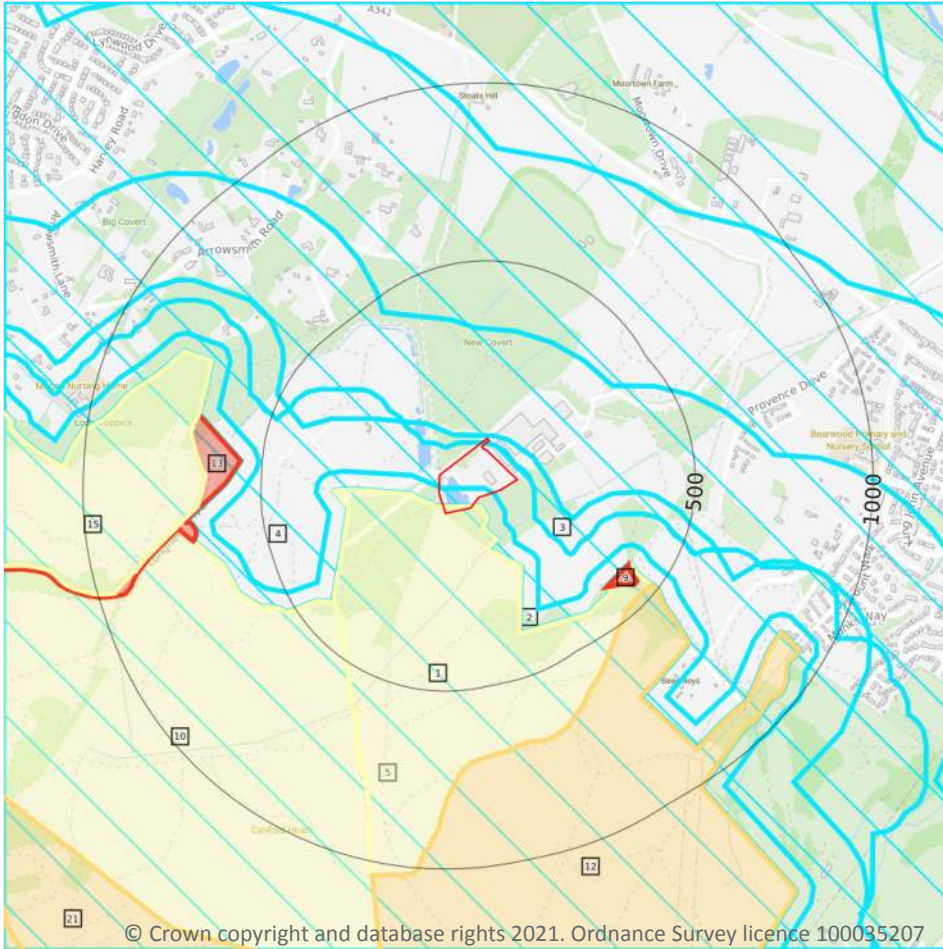
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1505m S	Poole Harbour	Eutrophic Water	ET1	Changed
1547m SE	Poole Harbour	Eutrophic Water	ET1	Changed
1618m SW	Poole Harbour	Eutrophic Water	ET1	Changed
1638m SW	Poole Harbour	Eutrophic Water	ET1	Changed
1732m W	Poole Harbour	Eutrophic Water	ET1	Changed

*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

4

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 71**

ID	Location	Type of developments requiring consultation
2	On site	All applications - All planning applications - except householder applications.

ID	Location	Type of developments requiring consultation
3	On site	<p><b>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</b></p> <p><b>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</b></p> <p><b>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil &amp; gas exploration/extraction.</b></p> <p><b>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</b></p> <p><b>Residential - Any residential developments with a total net gain in residential units.</b></p> <p><b>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</b></p> <p><b>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</b></p> <p><b>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</b></p> <p><b>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p> <p><b>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</b></p>

ID	Location	Type of developments requiring consultation
4	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil &amp; gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</p> <p>Residential - Any residential developments with a total net gain in residential units.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p>
5	On site	All applications - All planning applications.

*This data is sourced from Natural England.*

## 10.18 SSSI Units

Records within 2000m

16

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 71**

ID: 1  
 Location: On site  
 SSSI name: Canford Heath  
 Unit name: Canford Heath North  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering



## Reportable features:

Feature name	Feature condition	Date of assessment
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	25/11/2010
H4030 European dry heaths	Unfavourable - Recovering	25/11/2010
H7150 Depressions on peat substrates of the Rhynchosporion	Unfavourable - Recovering	25/11/2010

ID: 9  
 Location: 391m SE  
 SSSI name: Canford Heath  
 Unit name: Canford Heath Pit Deletions  
 Broad habitat: Built Up Areas And Gardens  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 10  
 Location: 402m SW  
 SSSI name: Canford Heath  
 Unit name: Canford Heath West  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	18/09/2009
H4030 European dry heaths	Unfavourable - Recovering	18/09/2009
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900



ID: 12  
 Location: 472m SE  
 SSSI name: Canford Heath  
 Unit name: Canford Heath North East  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	25/11/2010
H4030 European dry heaths	Unfavourable - No change	25/11/2010

ID: 13  
 Location: 561m W  
 SSSI name: Canford Heath  
 Unit name: Canford Heath Pit Deletions  
 Broad habitat: Built Up Areas And Gardens  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 15  
 Location: 656m W  
 SSSI name: Canford Heath  
 Unit name: Arrowsmith Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - Recovering	23/03/2010



Feature name	Feature condition	Date of assessment
H4030 European dry heaths	Unfavourable - Recovering	23/03/2010
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1318m S  
 SSSI name: Canford Heath  
 Unit name: Lodge Hill East  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 21  
 Location: 1319m S  
 SSSI name: Canford Heath  
 Unit name: Lodge Hill West  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Population of RDB moth - <i>Coscinia cribraria</i> , Speckled Footman	Not Recorded	01/01/1900



Feature name	Feature condition	Date of assessment
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1468m S  
 SSSI name: Canford Heath  
 Unit name: Culliford Crescent  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1515m S  
 SSSI name: Canford Heath  
 Unit name: Belben Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 25  
 Location: 1554m SW  
 SSSI name: Canford Heath  
 Unit name: Route E  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1579m S  
 SSSI name: Canford Heath  
 Unit name: Culliford Crescent  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1585m SW  
 SSSI name: Canford Heath  
 Unit name: Tolleford Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
H7150 Depressions on peat substrates of the Rhynchosporion	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1621m SW  
 SSSI name: Canford Heath  
 Unit name: Sandringham Park  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1634m SW  
 SSSI name: Canford Heath  
 Unit name: Gravel Hill  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change



## Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1730m W  
 SSSI name: Canford Heath  
 Unit name: Dunyeat's Hill  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - Recovering	19/11/2009
H4030 European dry heaths	Unfavourable - Recovering	19/11/2009
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

*This data is sourced from Natural England and Natural Resources Wales.*



## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

### 11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.5 Conservation Areas

**Records within 250m**

**0**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

**Records within 250m**

**0**

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

**Records within 250m**

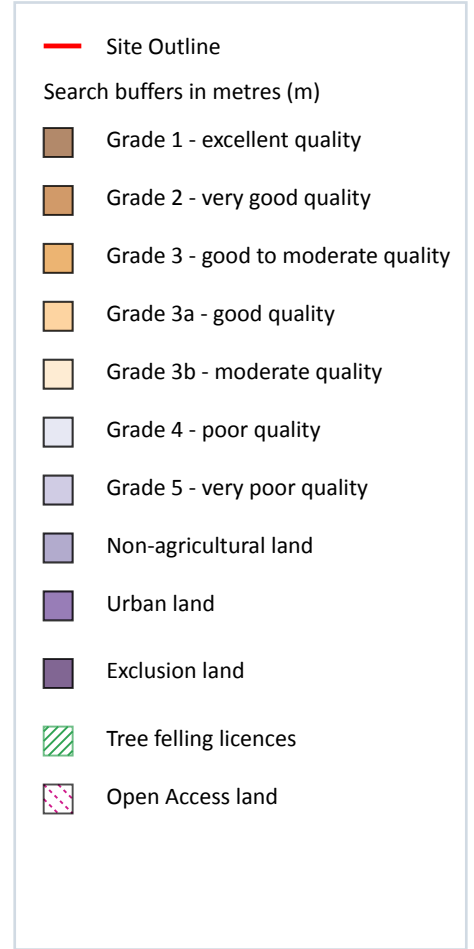
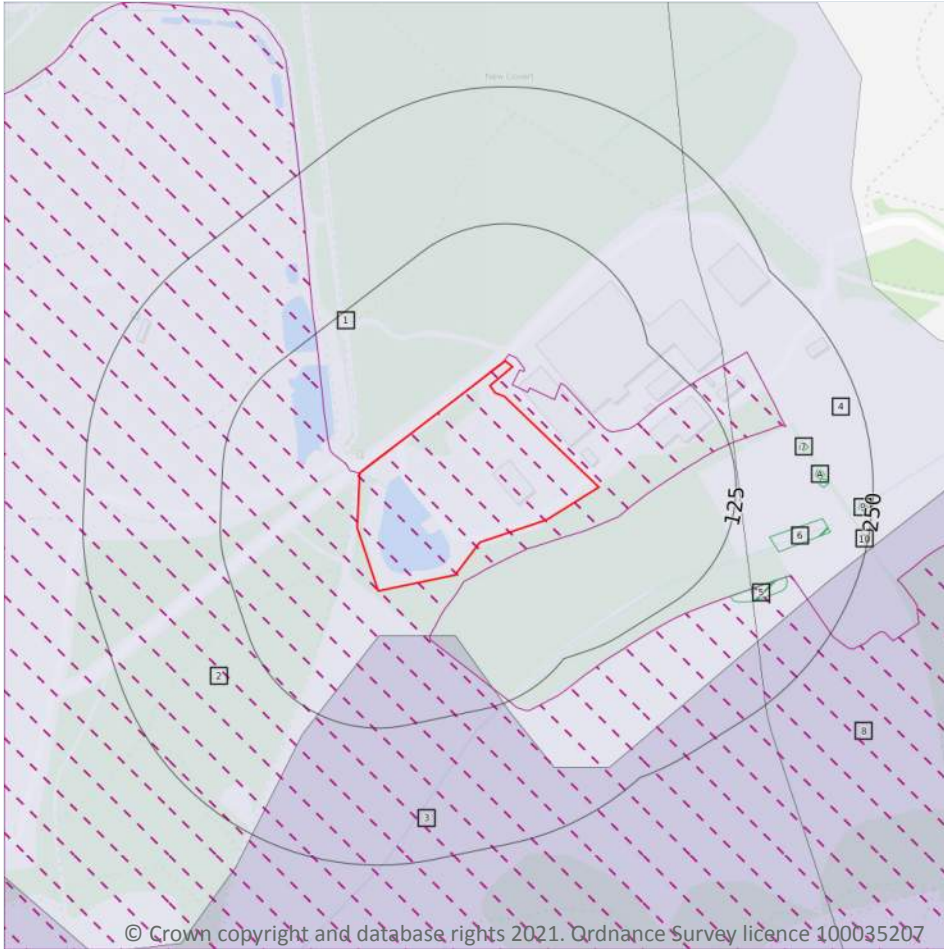
**0**

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



### 12.1 Agricultural Land Classification

Records within 250m

4

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Classification	Description
1	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.



ID	Location	Classification	Description
3	41m S	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.
4	127m E	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.
8	202m SE	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.

This data is sourced from Natural England.

## 12.2 Open Access Land

### Records within 250m

1

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Name	Classification	Other relevant legislation
2	On site	-	Section 4 Conclusive Open Country	-

This data is sourced from Natural England and Natural Resources Wales.

## 12.3 Tree Felling Licences

### Records within 250m

7

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Description	Reference	Application date
5	156m SE	Clear Fell (Conditional)	018/373/12-13	22/05/2013
6	162m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
7	186m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013



ID	Location	Description	Reference	Application date
A	198m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
A	201m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
9	238m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
10	243m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

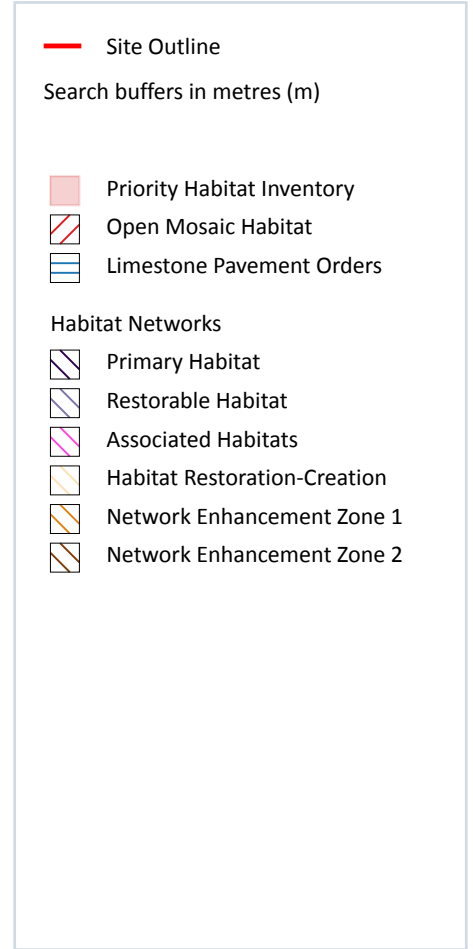
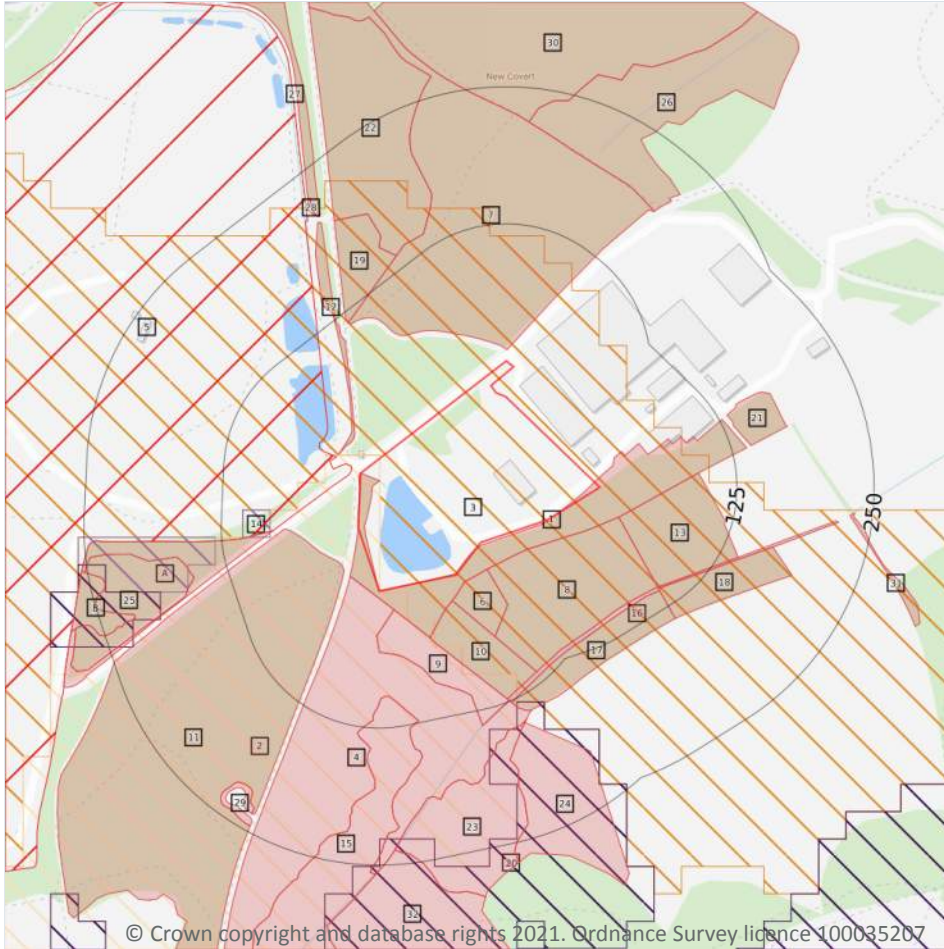
<b>Records within 250m</b>	<b>1</b>
----------------------------	----------

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	468735	Countryside Stewardship (Higher Tier)	01/01/2018	31/12/2027

*This data is sourced from Natural England.*

## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

29

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 86**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2); LHEAT (ENSIS L2); UHEAT (ENSIS L2)
4	5m SW	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)

ID	Location	Main Habitat	Other habitats
6	10m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
7	10m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	19m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	20m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
10	22m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
11	25m W	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
12	26m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	32m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	78m W	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
15	96m S	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
16	103m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	107m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	107m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	116m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	133m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	137m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	147m SE	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
24	148m SE	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
25	156m W	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
26	191m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	208m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	210m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	214m SW	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)



ID	Location	Main Habitat	Other habitats
B	218m W	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
30	219m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	230m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	236m S	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)

This data is sourced from Natural England.

## 13.2 Habitat Networks

**Records within 250m**

**6**

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 86**

ID	Location	Type	Habitat
<b>2</b>	<b>On site</b>	<b>Habitat Restoration-Creation</b>	<b>Not specified</b>
<b>3</b>	<b>On site</b>	<b>Network Enhancement Zone 1</b>	<b>Not specified</b>
14	80m W	Restorable Habitat	Not specified
20	128m SE	Primary Habitat	Lowland heathland
A	131m W	Restorable Habitat	Not specified
B	190m W	Primary Habitat	Lowland heathland

This data is sourced from Natural England.

## 13.3 Open Mosaic Habitat

**Records within 250m**

**1**

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on **page 86**



ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
5	9m W	BRITPITS ref: 18140	Low	British Geological Survey BRITPITS database	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography

*This data is sourced from Natural England.*

## 13.4 Limestone Pavement Orders

<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



— Site Outline  
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

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### 14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SZ09NW

*This data is sourced from the British Geological Survey.*





## Geology 1:10,000 scale - Artificial and made ground



— Site Outline  
Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

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### 14.2 Artificial and made ground (10k)

Records within 500m

3

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

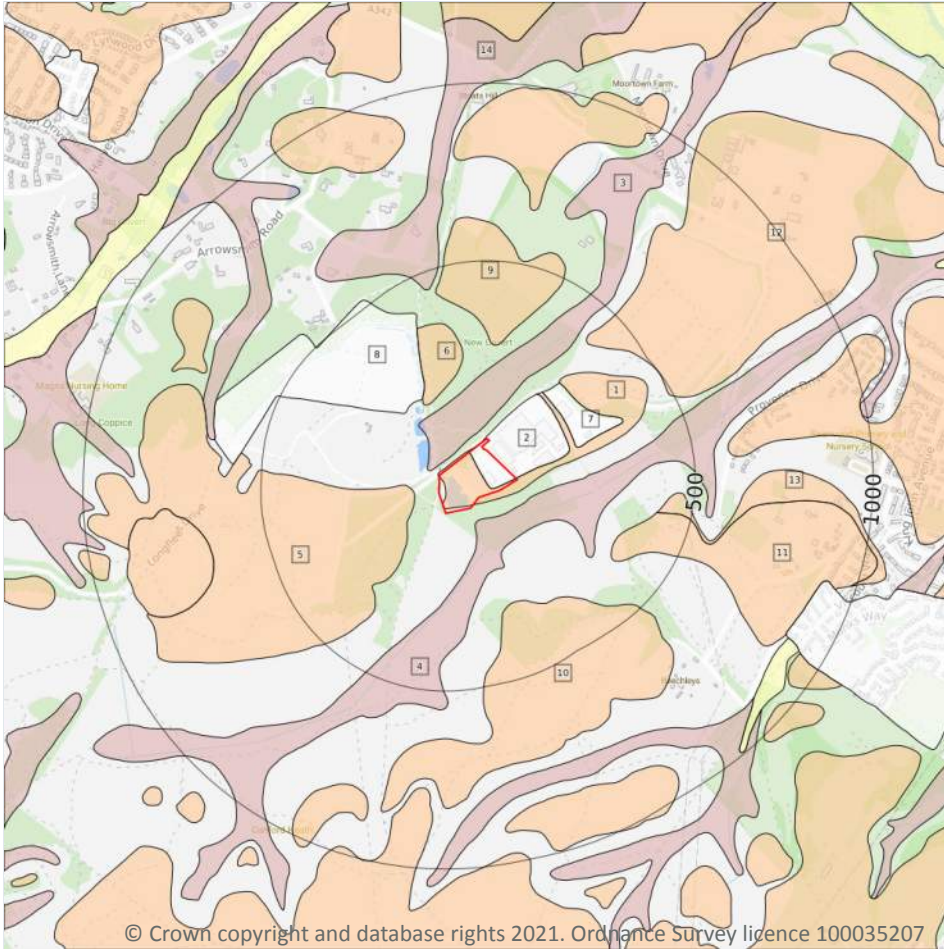
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 91**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	190m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	197m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

14

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 92**

ID	Location	LEX Code	Description	Rock description
1	On site	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
2	On site	SUPNM-UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
3	22m NW	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	41m SE	HEAD- XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
5	68m W	RT12-XSV	River Terrace Deposits, 12 - Sand And Gravel	Sand And Gravel
6	175m NW	RT11-XSV	River Terrace Deposits, 11 - Sand And Gravel	Sand And Gravel
7	190m NE	SUPNM- UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
8	197m NW	SUPNM- UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
9	264m N	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
10	291m SE	RT12-XSV	River Terrace Deposits, 12 - Sand And Gravel	Sand And Gravel
11	324m SE	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
12	389m NE	RTD8-XSV	River Terrace Deposits, 8 - Sand And Gravel	Sand And Gravel
13	403m E	RTD9-XSV	River Terrace Deposits, 9 - Sand And Gravel	Sand And Gravel
14	450m N	HEAD- XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

**Records within 500m**

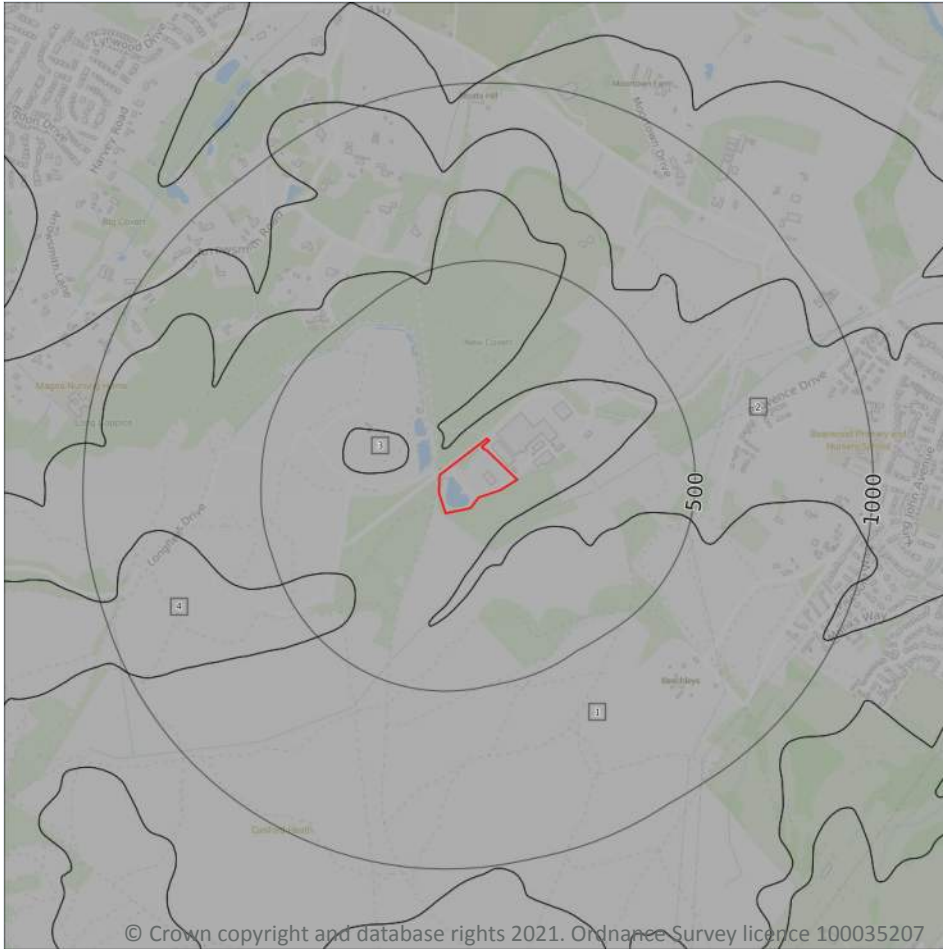
**0**

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (10k)
- Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

4

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 94**

ID	Location	LEX Code	Description	Rock age
1	On site	POOL-SSCL	Poole Formation - Sand, Silt And Clay	Lutetian Age - Ypresian Age
2	48m NW	BRTC-SICL	Broadstone Clay Member - Silty Clay	Lutetian Age
3	101m NW	BRTC-SICL	Broadstone Clay Member - Silty Clay	Lutetian Age
4	325m SW	PKC-SICL	Parkstone Clay Member - Silty Clay	Lutetian Age

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

**Records within 500m**

**0**

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*





## 15 Geology 1:50,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

□ Geological map tile

### 15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 96**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW329_bournemouth_v4

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Artificial and made ground



— Site Outline  
Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

### 15.2 Artificial and made ground (50k)

Records within 500m

3

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 97**

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	195m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	196m NW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

*This data is sourced from the British Geological Survey.*





### 15.3 Artificial ground permeability (50k)

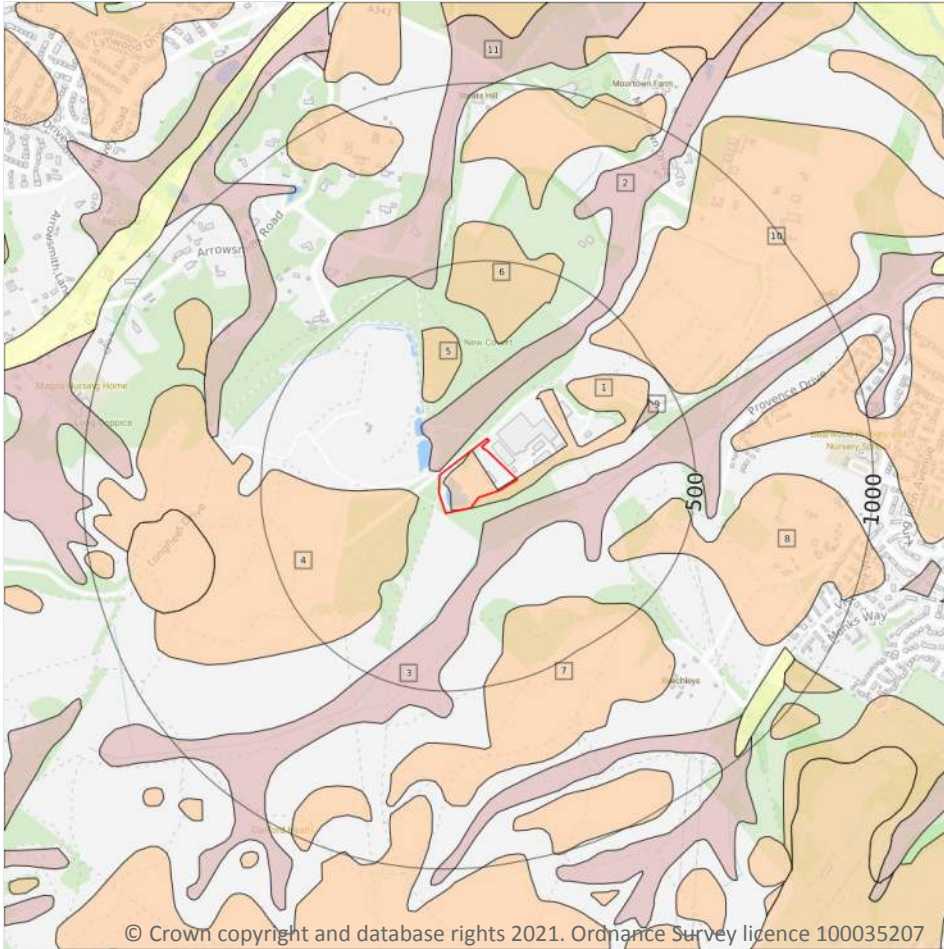
<b>Records within 50m</b>	<b>1</b>
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Mixed</b>	<b>Very High</b>	<b>Low</b>

*This data is sourced from the British Geological Survey.*

## Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

Records within 500m

11

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 99**

ID	Location	LEX Code	Description	Rock description
1	On site	RTDX-XSV	RIVER TERRACE DEPOSITS, 10	SAND AND GRAVEL
2	9m NW	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	55m SE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	58m W	RT12-XSV	RIVER TERRACE DEPOSITS, 12	SAND AND GRAVEL
5	169m NW	RT11-XSV	RIVER TERRACE DEPOSITS, 11	SAND AND GRAVEL
6	269m N	RTDX-XSV	RIVER TERRACE DEPOSITS, 10	SAND AND GRAVEL
7	308m SE	RT12-XSV	RIVER TERRACE DEPOSITS, 12	SAND AND GRAVEL
8	321m SE	RTD8-XSV	RIVER TERRACE DEPOSITS, 8	SAND AND GRAVEL
9	344m E	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
10	396m NE	RTD8-XSV	RIVER TERRACE DEPOSITS, 8	SAND AND GRAVEL
11	448m N	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

*This data is sourced from the British Geological Survey.*

## 15.5 Superficial permeability (50k)

<b>Records within 50m</b>	<b>2</b>
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Intergranular</b>	<b>Very High</b>	<b>High</b>
9m NE	Mixed	High	Very Low

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

Records within 50m

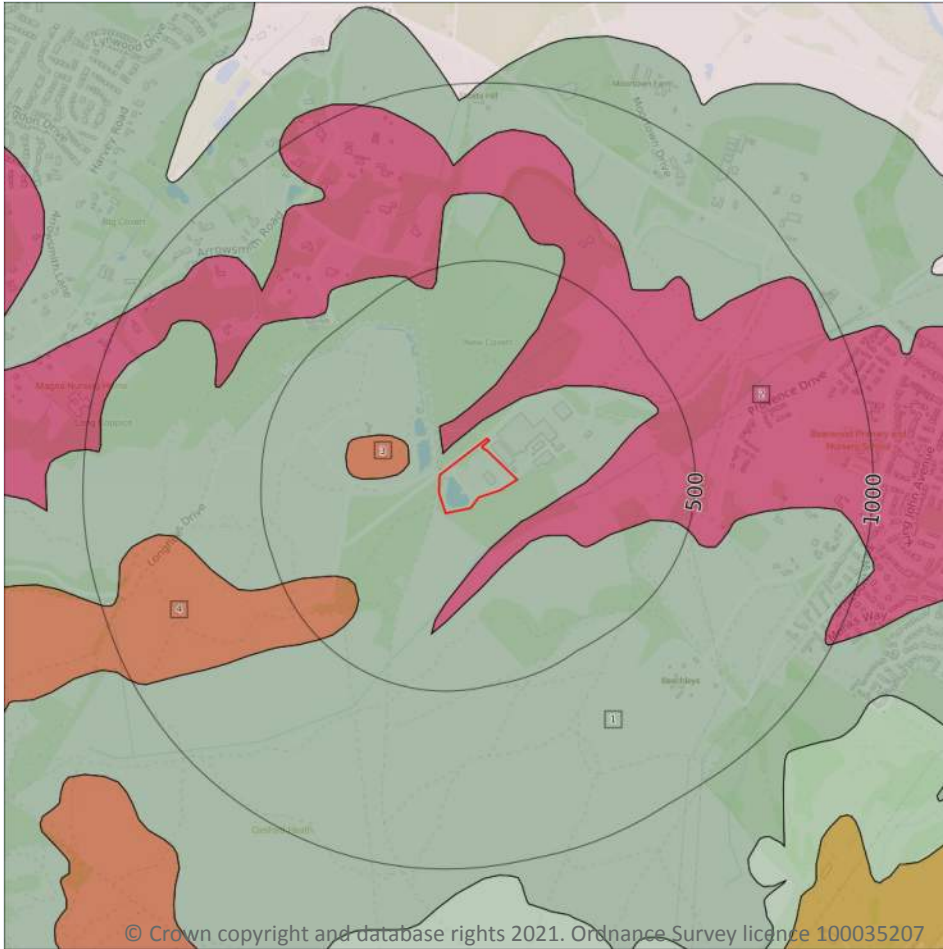
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

4

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 102**

ID	Location	LEX Code	Description	Rock age
1	On site	POOL-XSZC	POOLE FORMATION - SAND, SILT AND CLAY	YPRESIAN
2	42m NW	BRTC-CZ	BROADSTONE CLAY MEMBER - CLAY, SILTY	LUTETIAN
3	92m W	PKC-C	PARKSTONE CLAY MEMBER - CLAY	-
4	324m SW	PKC-C	PARKSTONE CLAY MEMBER - CLAY	-

*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

**Records within 50m**

**2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Intergranular</b>	<b>High</b>	<b>Low</b>
42m W	Fracture	Low	Very Low

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

**Records within 500m**

**0**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*

## 16 Boreholes

### 16.1 BGS Boreholes

Records within 250m

0

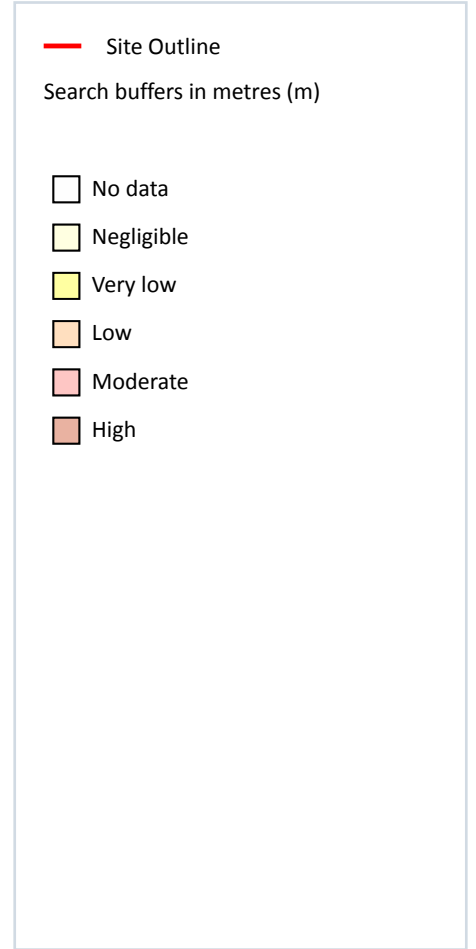
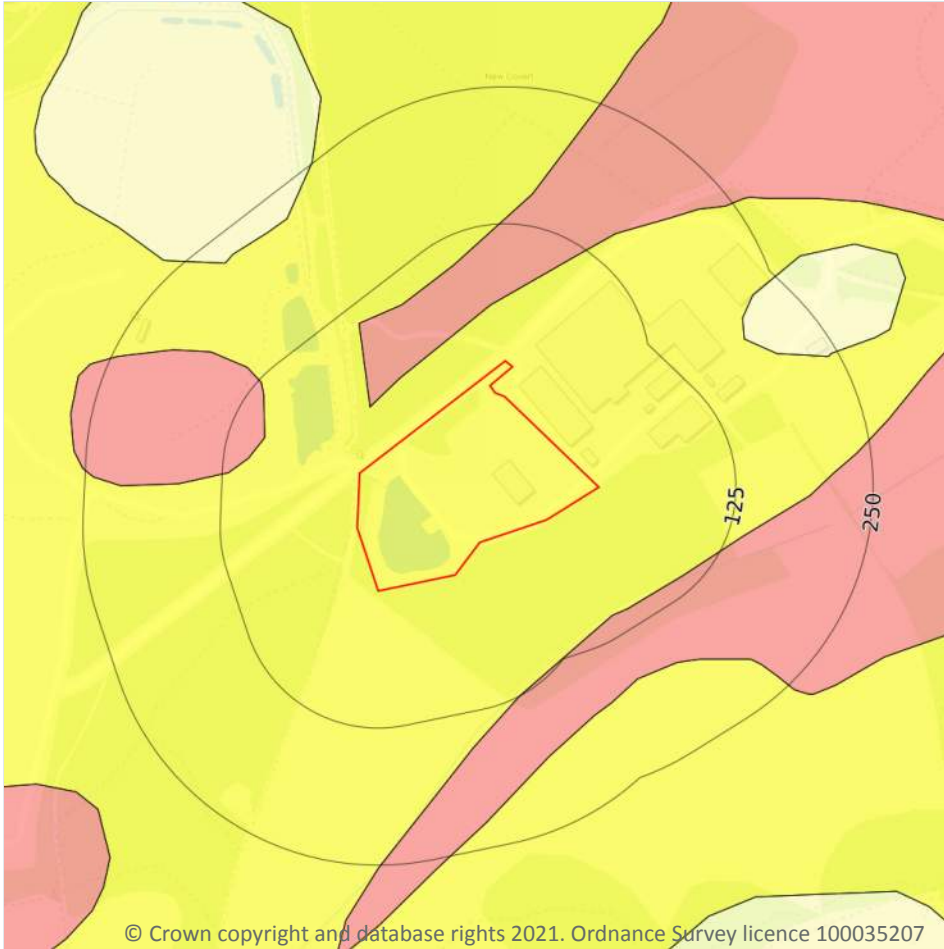
The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

*This data is sourced from the British Geological Survey.*





## 17 Natural ground subsidence - Shrink swell clays



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### 17.1 Shrink swell clays

Records within 50m

2

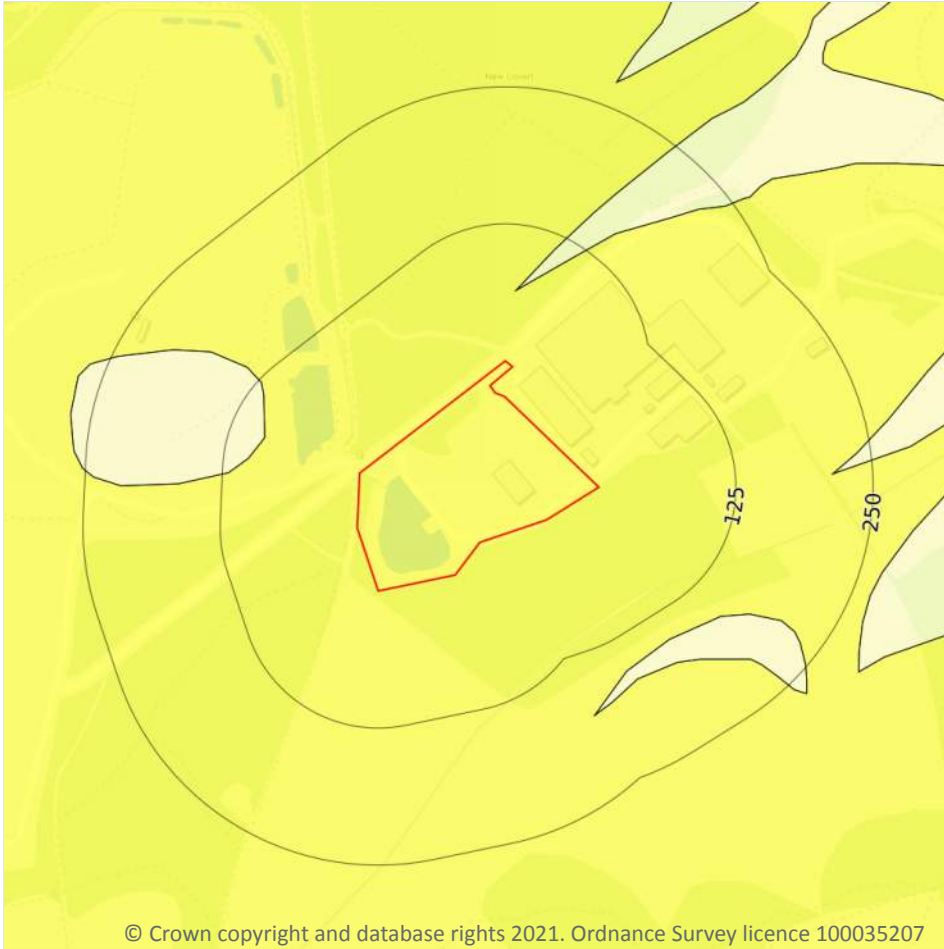
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 105**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
42m NW	Moderate	Ground conditions predominantly high plasticity.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Running sands



### 17.2 Running sands

Records within 50m

1

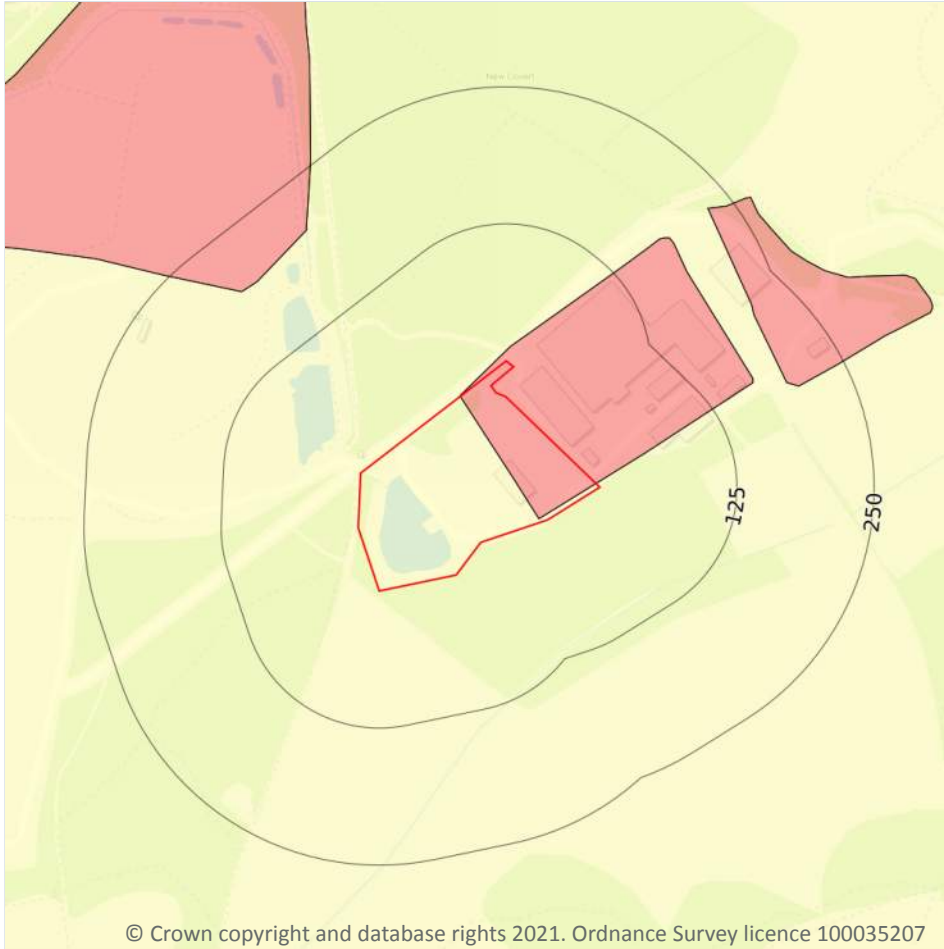
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 106**

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Compressible deposits



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### 17.3 Compressible deposits

Records within 50m

2

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

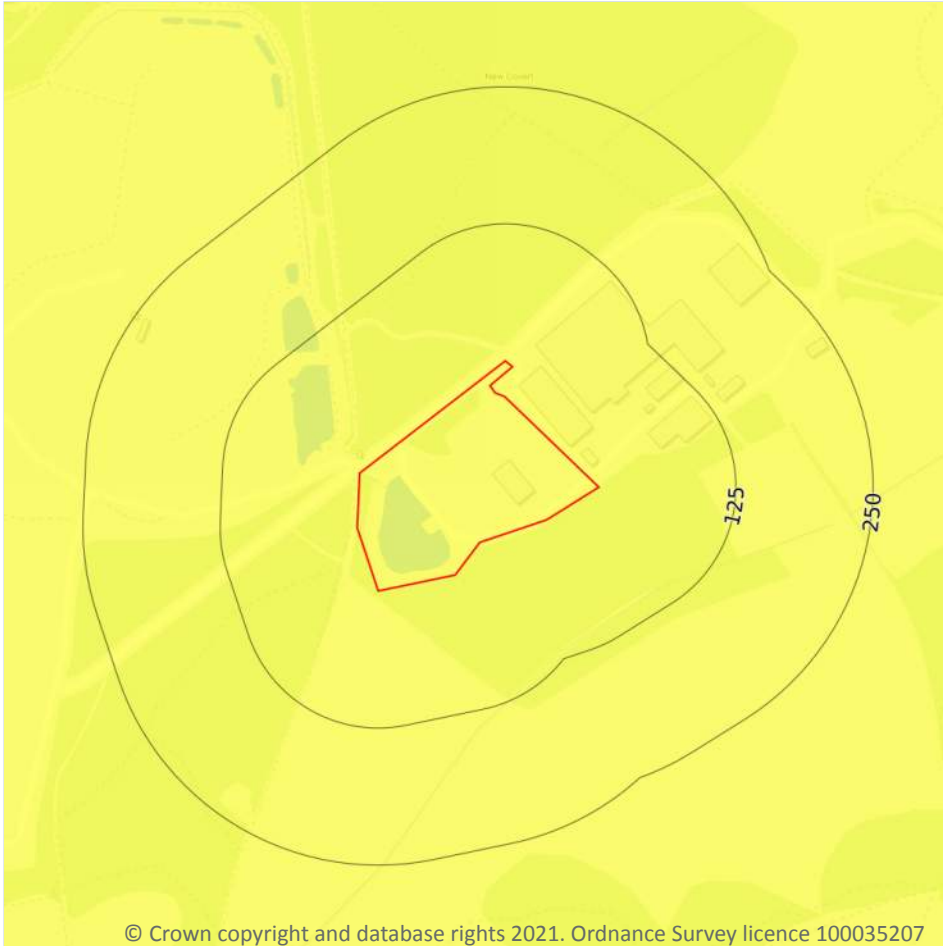
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 107**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



— Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.4 Collapsible deposits

Records within 50m

1

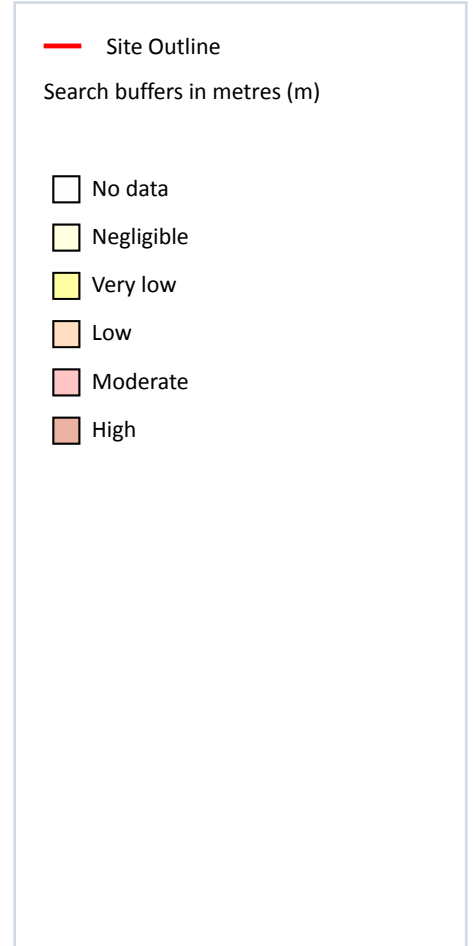
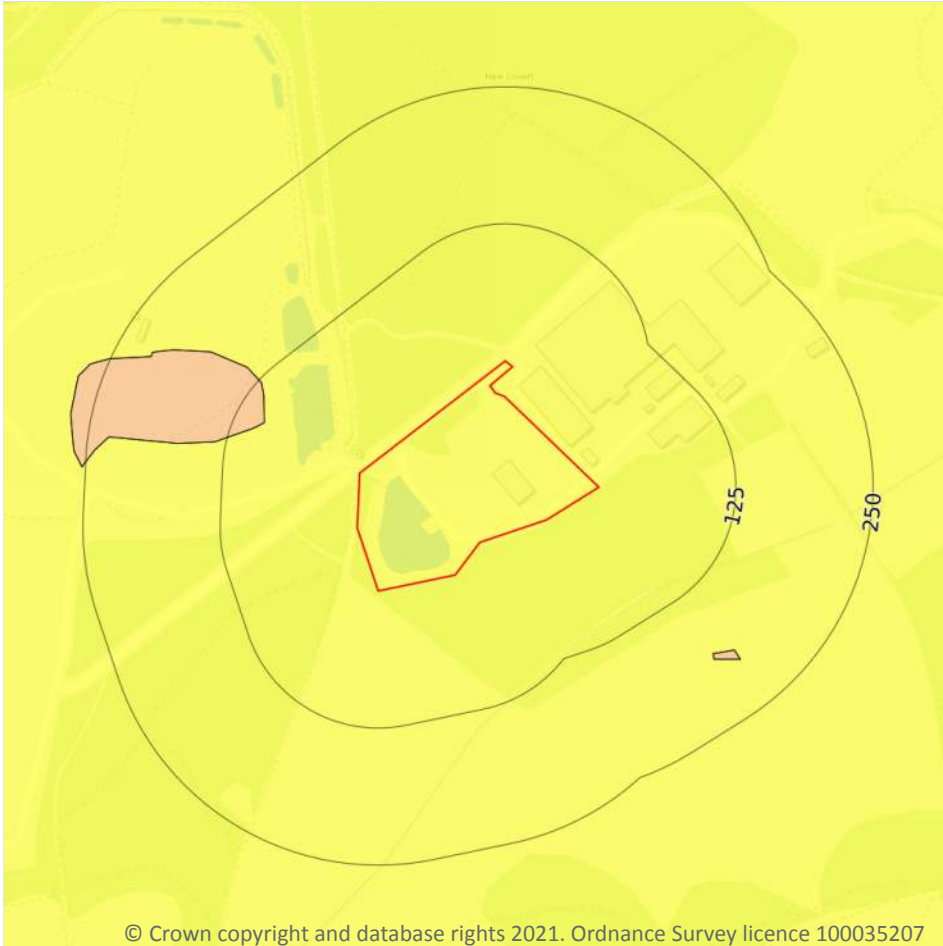
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 109**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Landslides



### 17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 110**

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Ground dissolution of soluble rocks



### 17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 111**

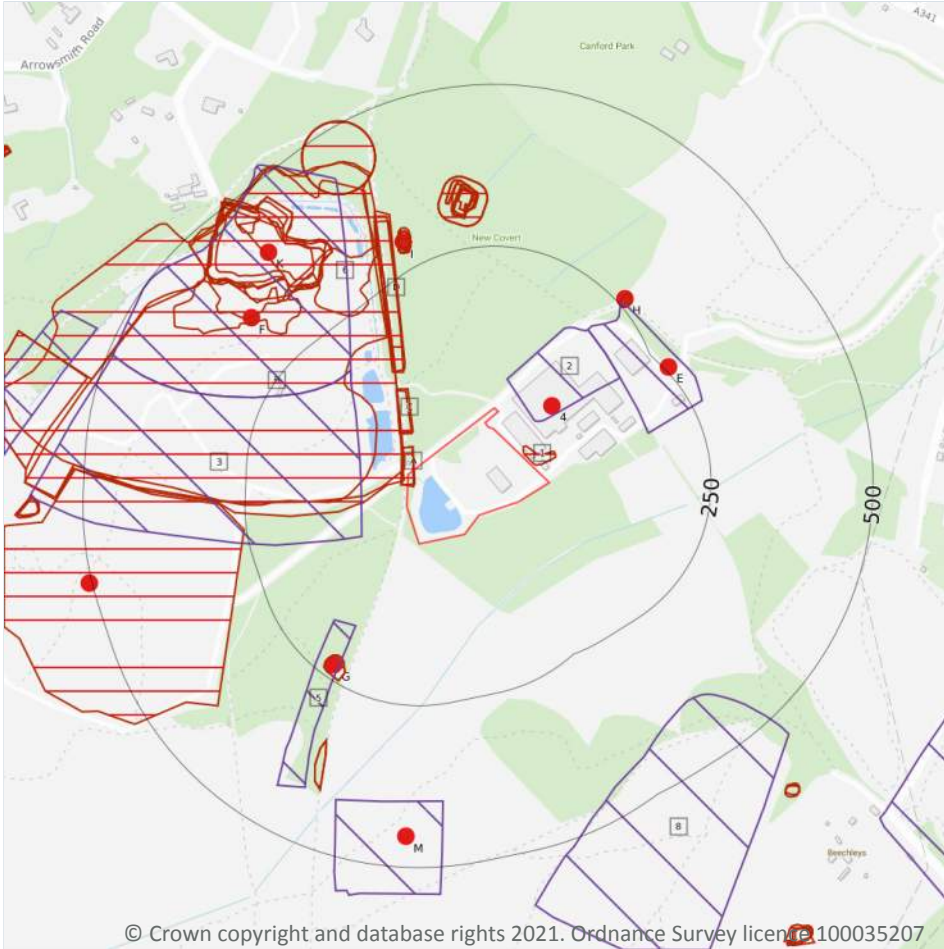
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



*This data is sourced from the British Geological Survey.*



## 18 Mining, ground workings and natural cavities



### 18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*

## 18.2 BritPits

Records within 500m

9

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Details	Description
4	83m E	Name: Stoats Hill Gravel Pits Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	227m SW	Name: Canford Heath Sand Pit Address: Canford, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	227m SW	Name: Canford Heath Sand Pit Address: Canford, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	257m NE	Name: Stoats Hill Gravel Pits Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
H	261m NE	Name: New Covert Address: Merley, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
I	292m NW	Name: Brake Hill Address: Merley, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
F	342m NW	Name: Budden Gravel Pit Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
K	403m NW	Name: Budden Pit Address: Merley, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
M	452m S	Name: Canford Heath Sand Pit Address: POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

*This data is sourced from the British Geological Survey.*

### 18.3 Surface ground workings

<b>Records within 250m</b>	<b>15</b>
----------------------------	-----------

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Cuttings	1940	1:10560
A	On site	Cuttings	1934	1:10560
1	4m NE	Unspecified Disused Pit	1982	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
B	6m W	Sand and Gravel Pit	1982	1:10000
B	10m NW	Sand and Gravel Pit	1988	1:10000
C	47m NW	Cuttings	1940	1:10560
C	47m NW	Cuttings	1934	1:10560
B	58m W	Sand and Gravel Pit	1973	1:10000
D	129m NW	Cuttings	1940	1:10560
D	132m NW	Cuttings	1934	1:10560
D	161m NW	Cuttings	1973	1:10000
G	213m SW	Sand Pit	1973	1:10000
G	213m SW	Sand Pit	1963	1:10560
6	243m NW	Old Gravel Pit	1963	1:10560
H	249m NE	Gravel Pit	1887	1:10560

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.4 Underground workings

**Records within 1000m**

**0**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.5 Historical Mineral Planning Areas

**Records within 500m**

**7**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
2	39m NE	Stoats Hill	Sand and gravel	Surface mineral working	Valid	Not available



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
3	70m W	Withy Bed	Sand and gravel	Surface mineral working	Valid	27/3/1956
5	160m SW	Canford Heath Sand Pits	Sand and gravel	Surface mineral working	Valid	1/2/1949
E	171m NE	Stoats Hill	Sand and gravel	Surface mineral working	Valid	27/5/1956
F	181m NW	Withy Bed	Sand and gravel	Surface mineral working	Valid	1/2/1949
M	398m S	Canford Heath Sand Pits	Sand and gravel	Surface mineral working	Valid	1/2/1949
8	399m SE	Beechleys Cottage	Sand	Surface mineral working	Valid	Not available

*This data is sourced from the British Geological Survey.*

## 18.6 Non-coal mining

**Records within 1000m**

**0**

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

*This data is sourced from the British Geological Survey.*

## 18.7 Mining cavities

**Records within 1000m**

**0**

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

*This data is sourced from Stantec UK Ltd.*



## 18.8 JPB mining areas

Records on site	0
-----------------	---

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.9 Coal mining

Records on site	0
-----------------	---

Areas which could be affected by past, current or future coal mining.

*This data is sourced from the Coal Authority.*

## 18.10 Brine areas

Records on site	0
-----------------	---

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

## 18.11 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.12 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*





## 18.13 Clay mining

Records on site

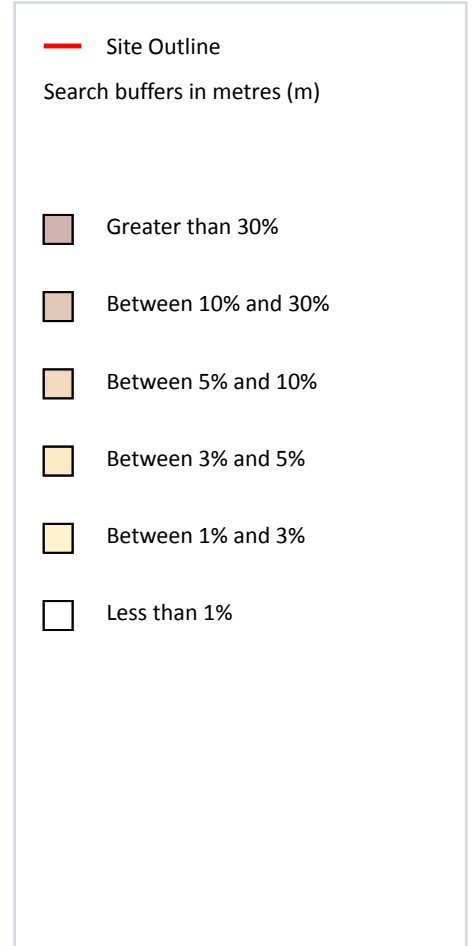
0

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*



## 19 Radon



### 19.1 Radon

#### Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 120**

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None**

*This data is sourced from the British Geological Survey and Public Health England.*

## 20 Soil chemistry

### 20.1 BGS Estimated Background Soil Chemistry

Records within 50m

9

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
9m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
42m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

*This data is sourced from the British Geological Survey.*

### 20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*



## 20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 21 Railway infrastructure and projects

### 21.1 Underground railways (London)

Records within 250m 0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 21.2 Underground railways (Non-London)

Records within 250m 0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

*This data is sourced from publicly available information by Groundsure.*

### 21.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

### 21.4 Historical railway and tunnel features

Records within 250m 0

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

*This data is sourced from Ordnance Survey/Groundsure.*

### 21.5 Royal Mail tunnels

Records within 250m 0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.



*This data is sourced from Groundsure/the Postal Museum.*

## 21.6 Historical railways

**Records within 250m**

**0**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*

## 21.7 Railways

**Records within 250m**

**0**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 21.8 Crossrail 1

**Records within 500m**

**0**

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

*This data is sourced from publicly available information by Groundsure.*

## 21.9 Crossrail 2

**Records within 500m**

**0**

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 21.10 HS2

**Records within 500m**

**0**

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

*This data is sourced from HS2 Ltd.*



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## Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference>.

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## Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: <https://www.groundsure.com/terms-and-conditions-jan-2020/>.





## Appendix C – Groundsure Historic Maps

**Site Details:**  
 CANFORD RECYCLING CENTRE,  
 ARENA WAY, POOLE, BH21  
 3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series  
**Map date:** 1889  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



Surveyed 1889  
 Revised 1889  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

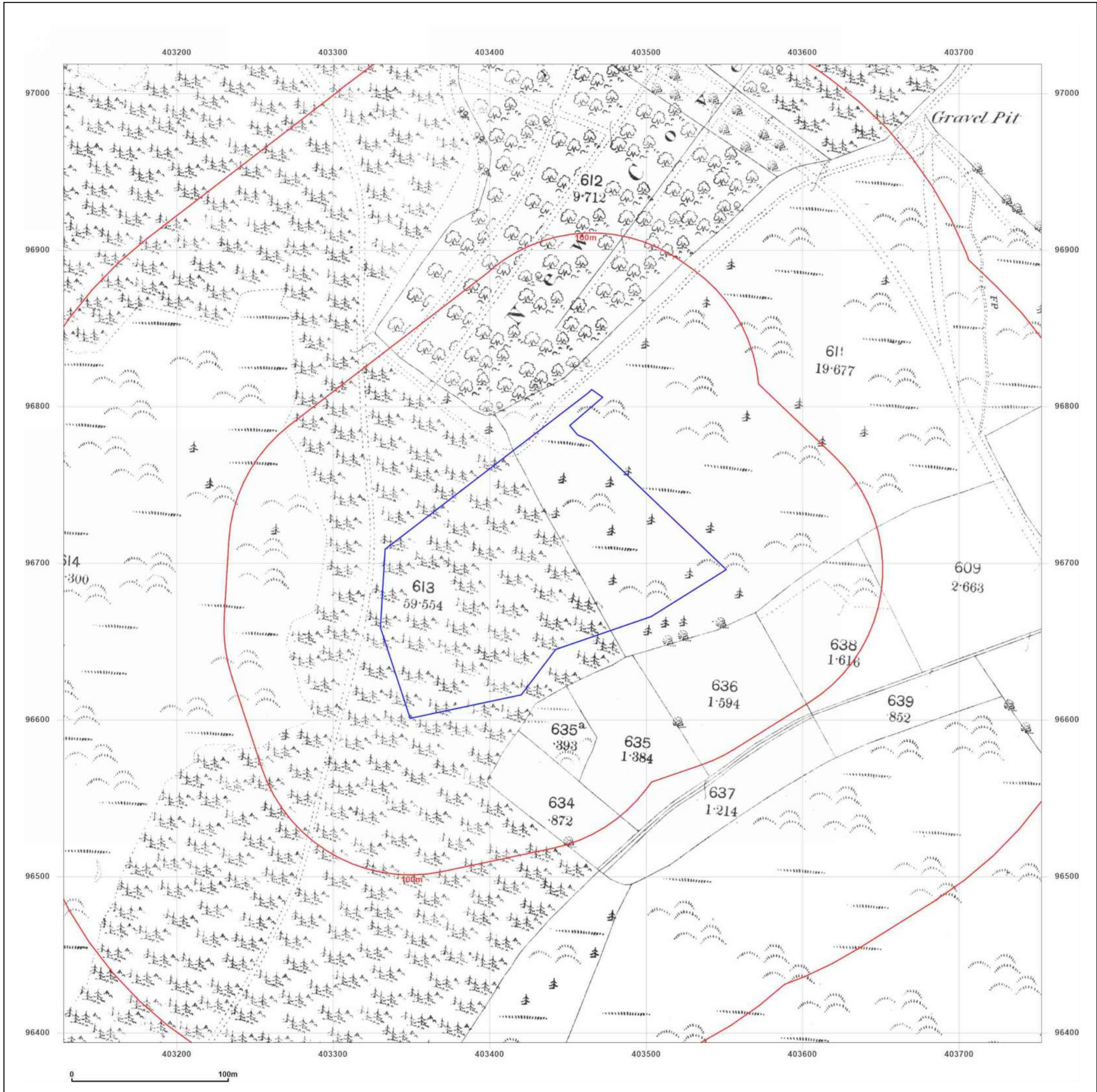


Produced by  
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Production date: 01 December 2021

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)





**Site Details:**

CANFORD RECYCLING CENTRE,  
ARENA WAY, POOLE, BH21  
3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1901

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1901  
Revised 1901  
Edition N/A  
Copyright N/A  
Levelled N/A

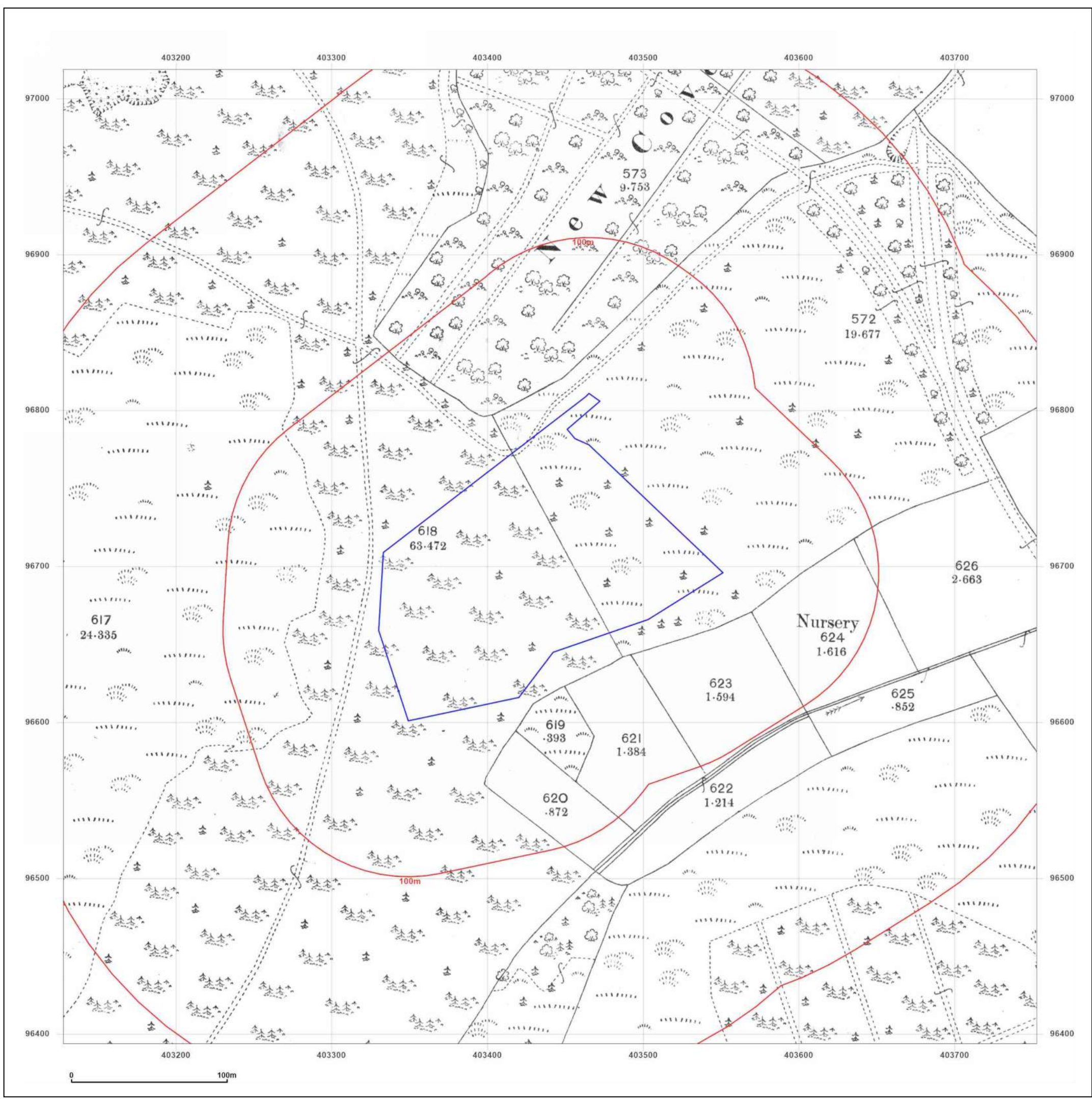


Produced by  
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W: [www.groundsure.com](http://www.groundsure.com)

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Production date: 01 December 2021

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)





**Site Details:**  
 CANFORD RECYCLING CENTRE,  
 ARENA WAY, POOLE, BH21  
 3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series  
**Map date:** 1928  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



Surveyed 1928  
 Revised 1928  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

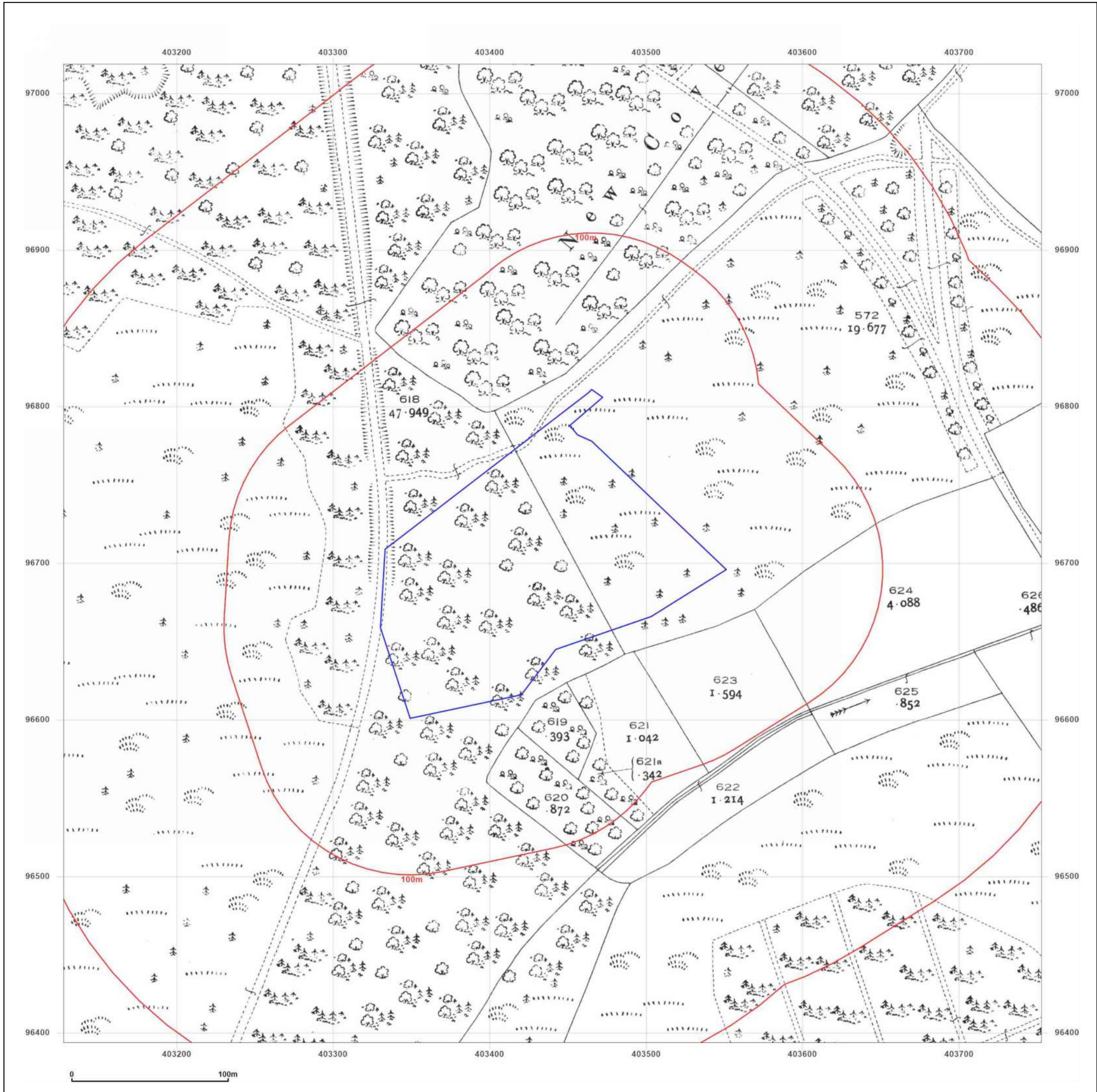
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3BW

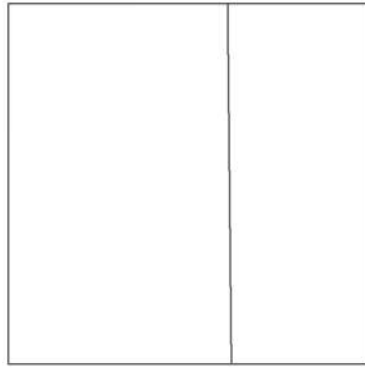
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**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

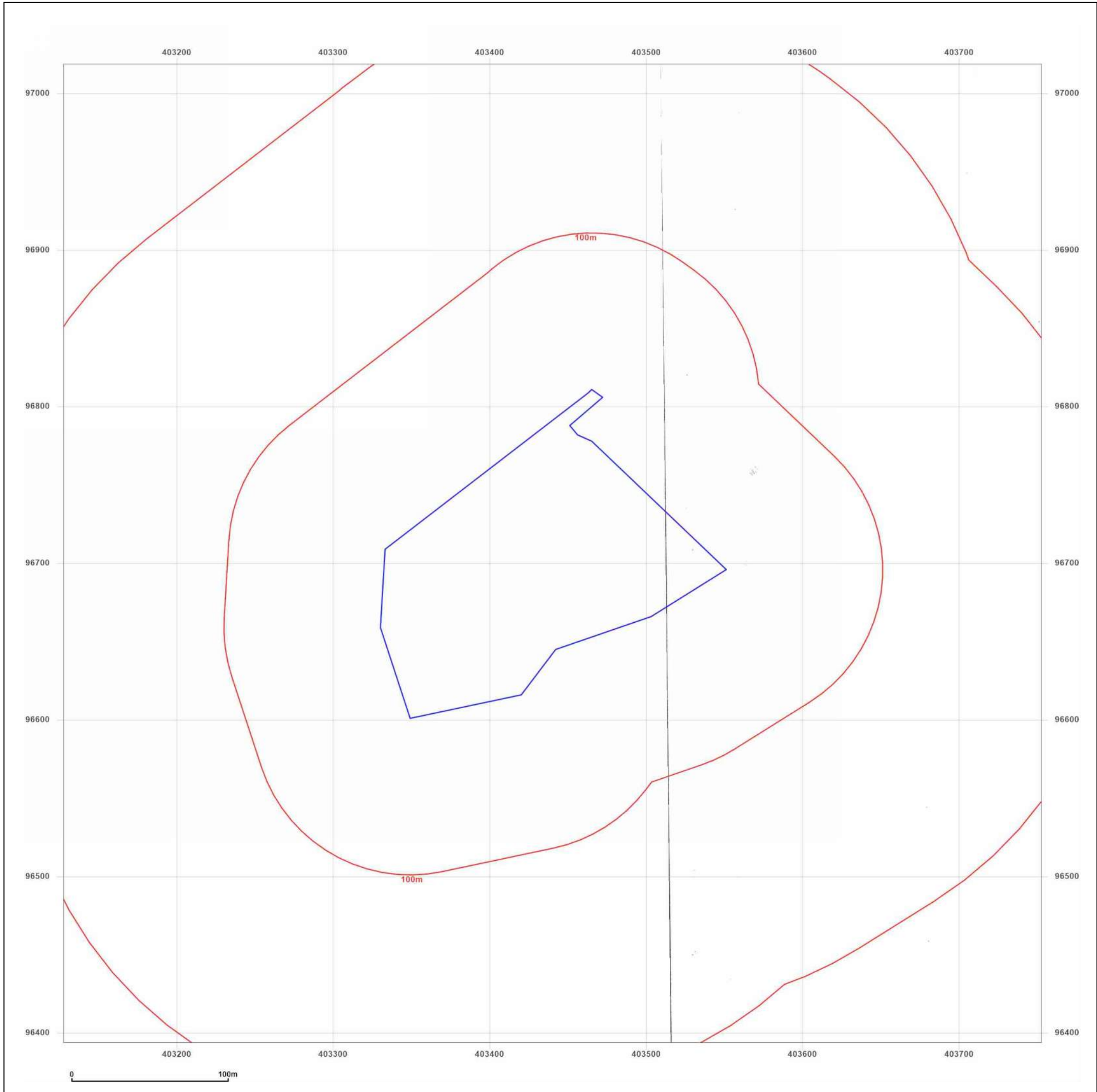
**Map date:** 1933

**Scale:** 1:2,500

**Printed at:** 1:2,500

Surveyed 1933  
Revised 1933  
Edition N/A  
Copyright N/A  
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**Client Ref:** EX-21-001  
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**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1934

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1934  
Revised 1934  
Edition N/A  
Copyright N/A  
Levelled N/A

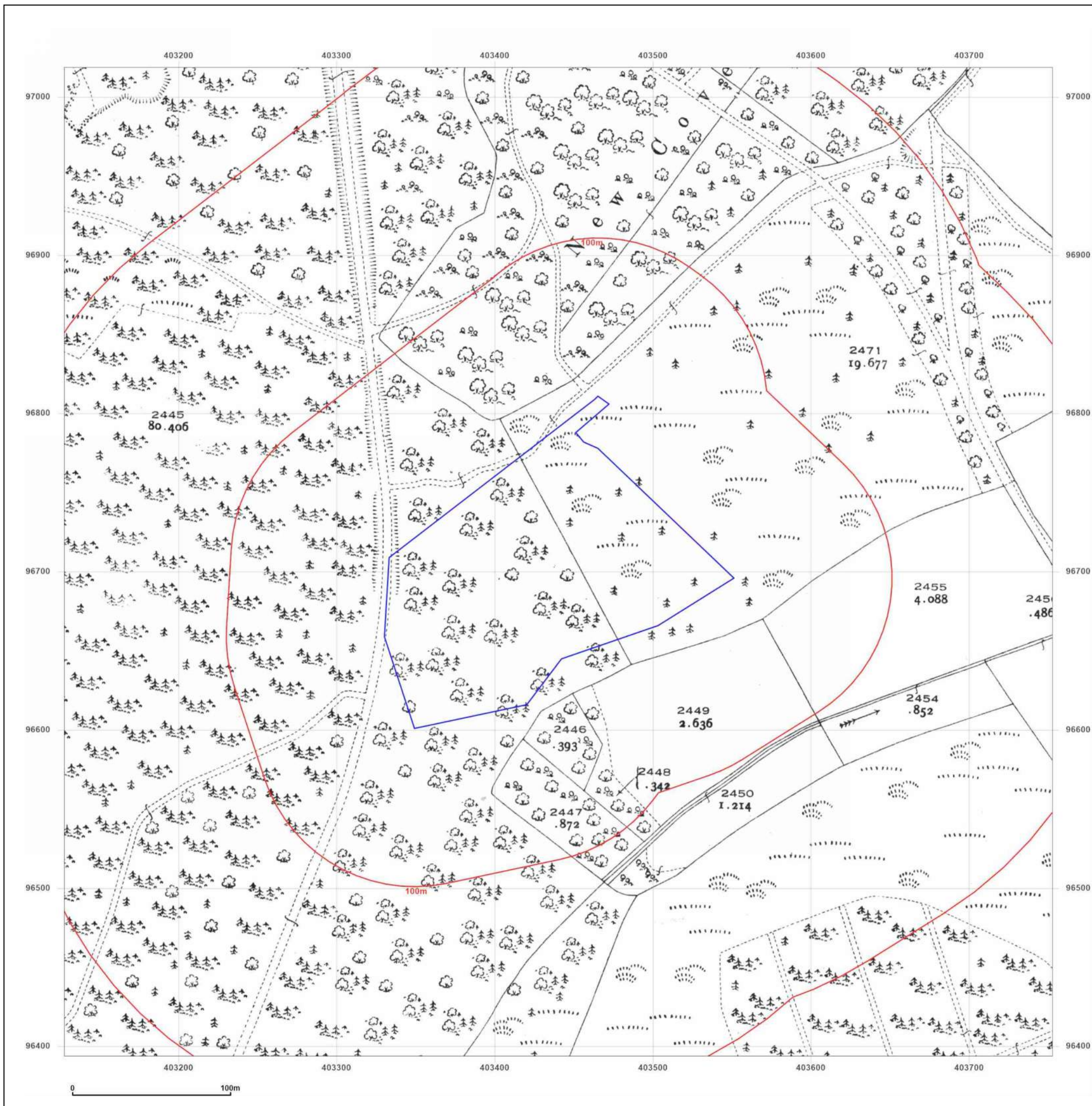


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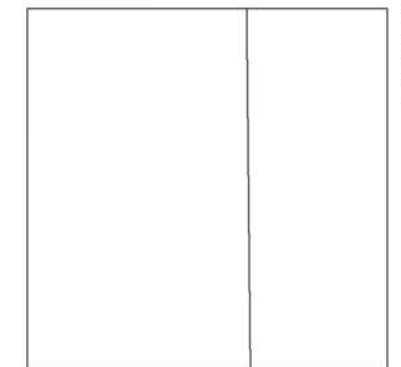
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**Map Name:** County Series

**Map date:** 1940

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1940  
Revised 1940  
Edition N/A  
Copyright N/A  
Levelled N/A

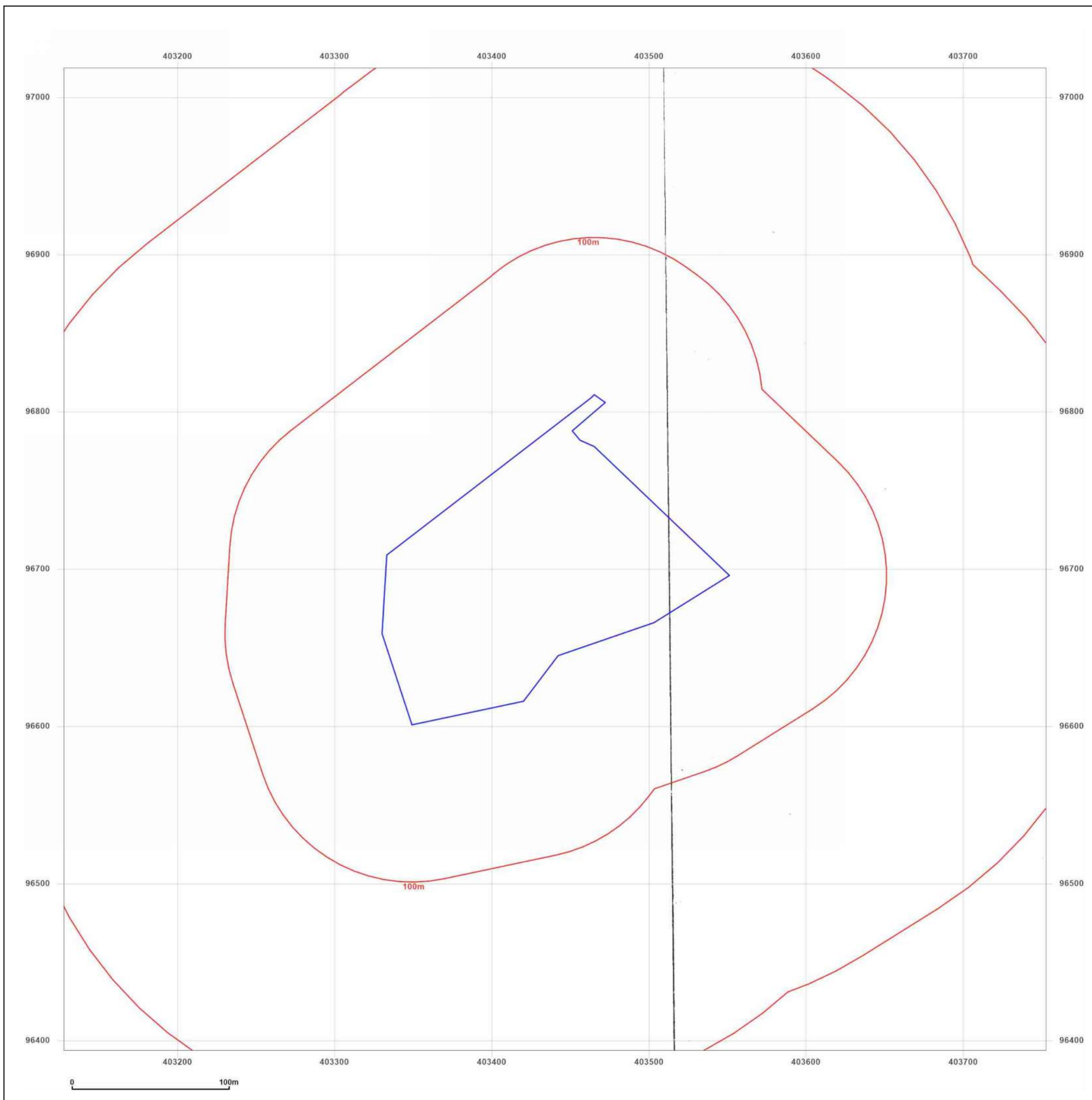


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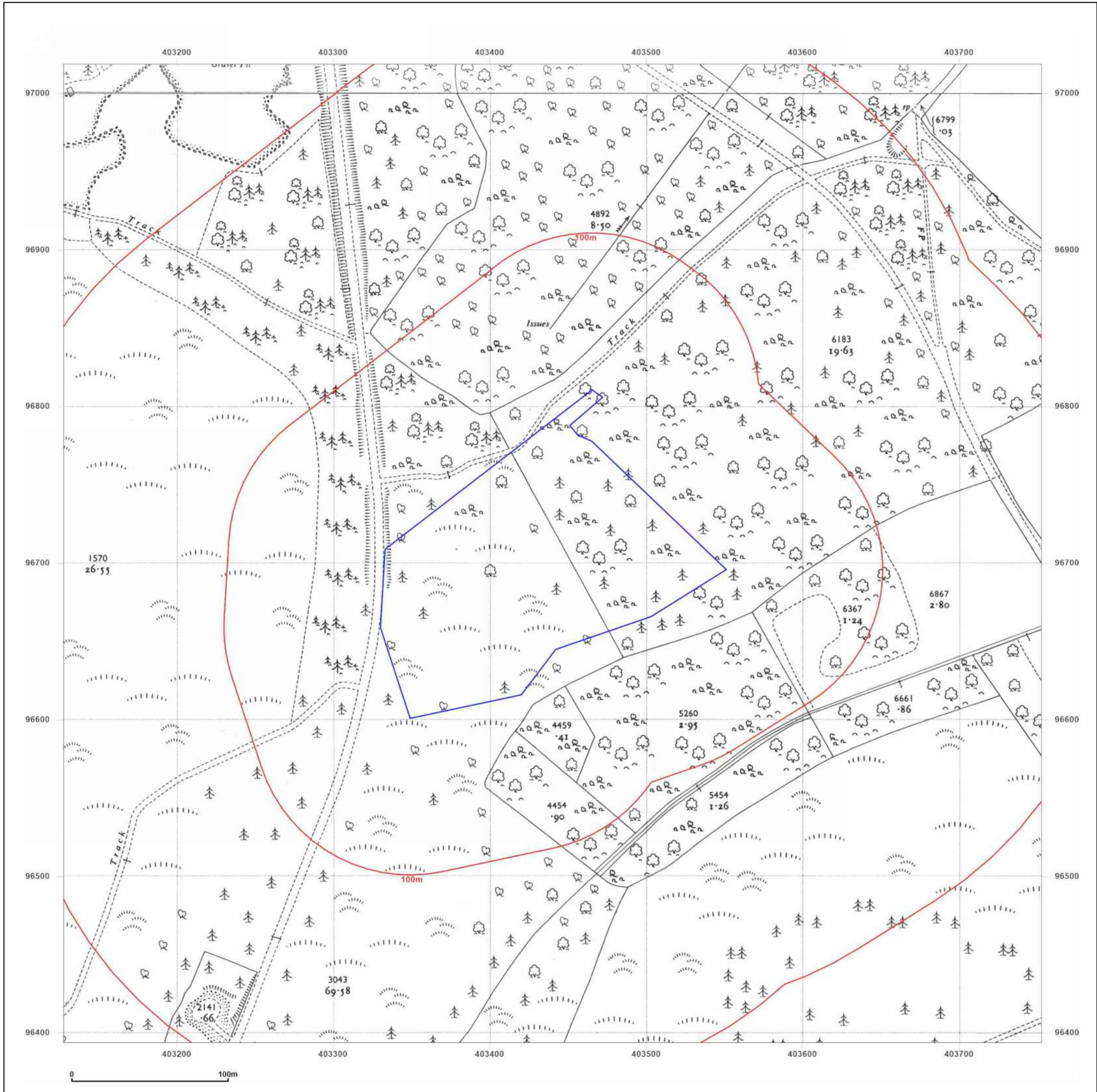
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**Map Name:** National Grid

**Map date:** 1954

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1954  
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**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1954-1955

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

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Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

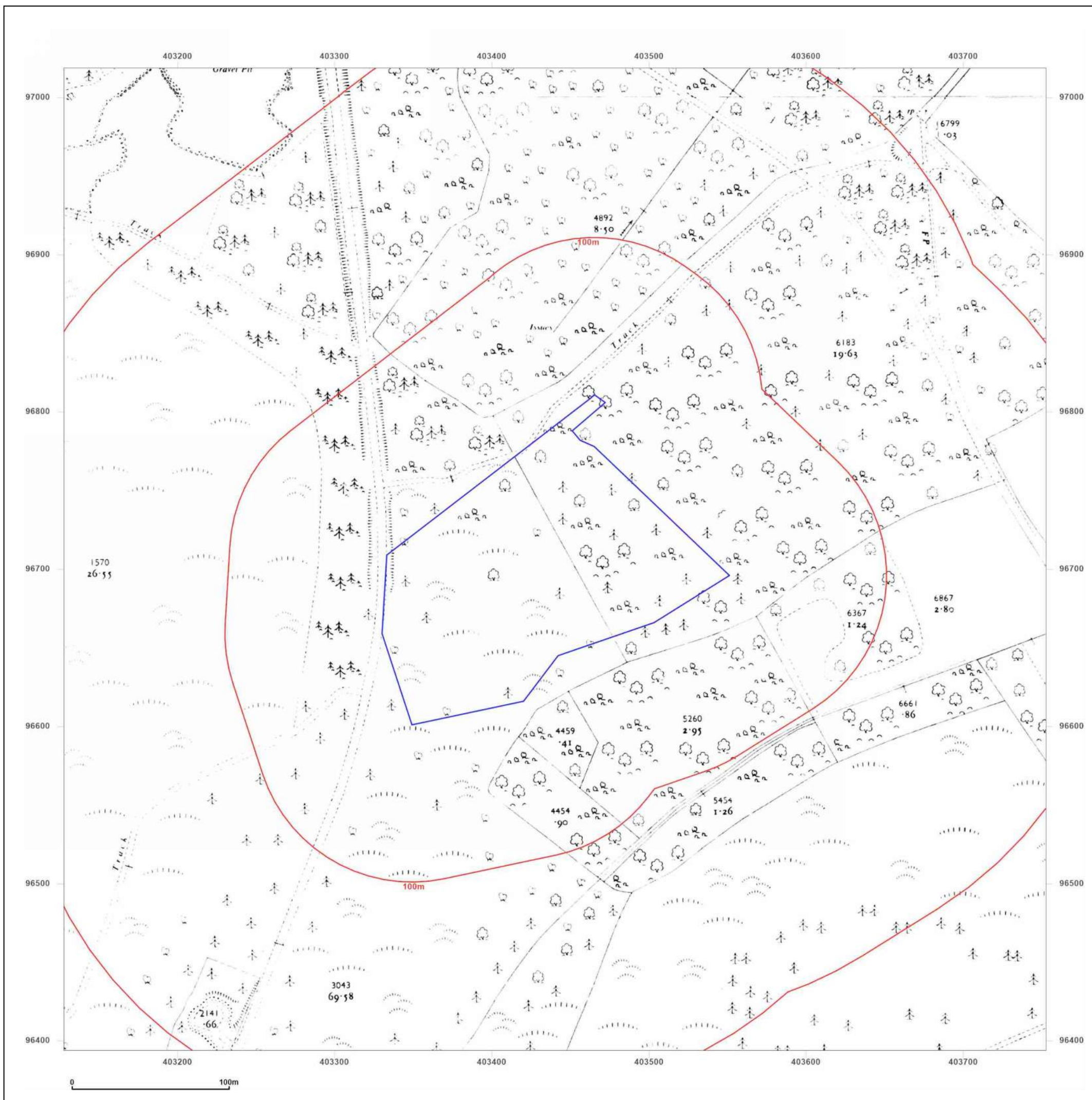


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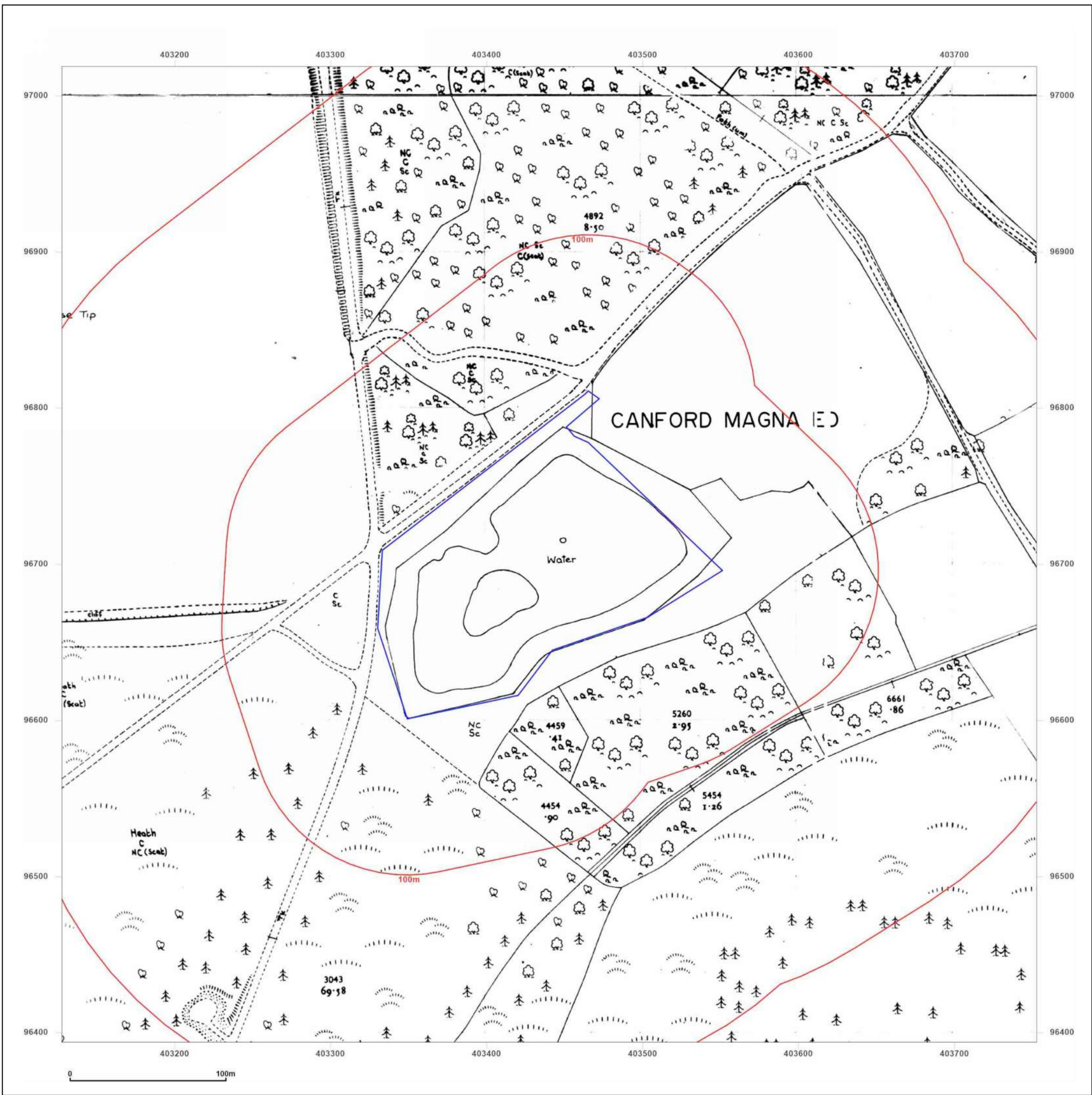
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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1988-1989

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1944  
Revised 1989  
Edition N/A  
Copyright 1989  
Levelled 1944

Surveyed 1988  
Revised 1988  
Edition N/A  
Copyright 1988  
Levelled N/A



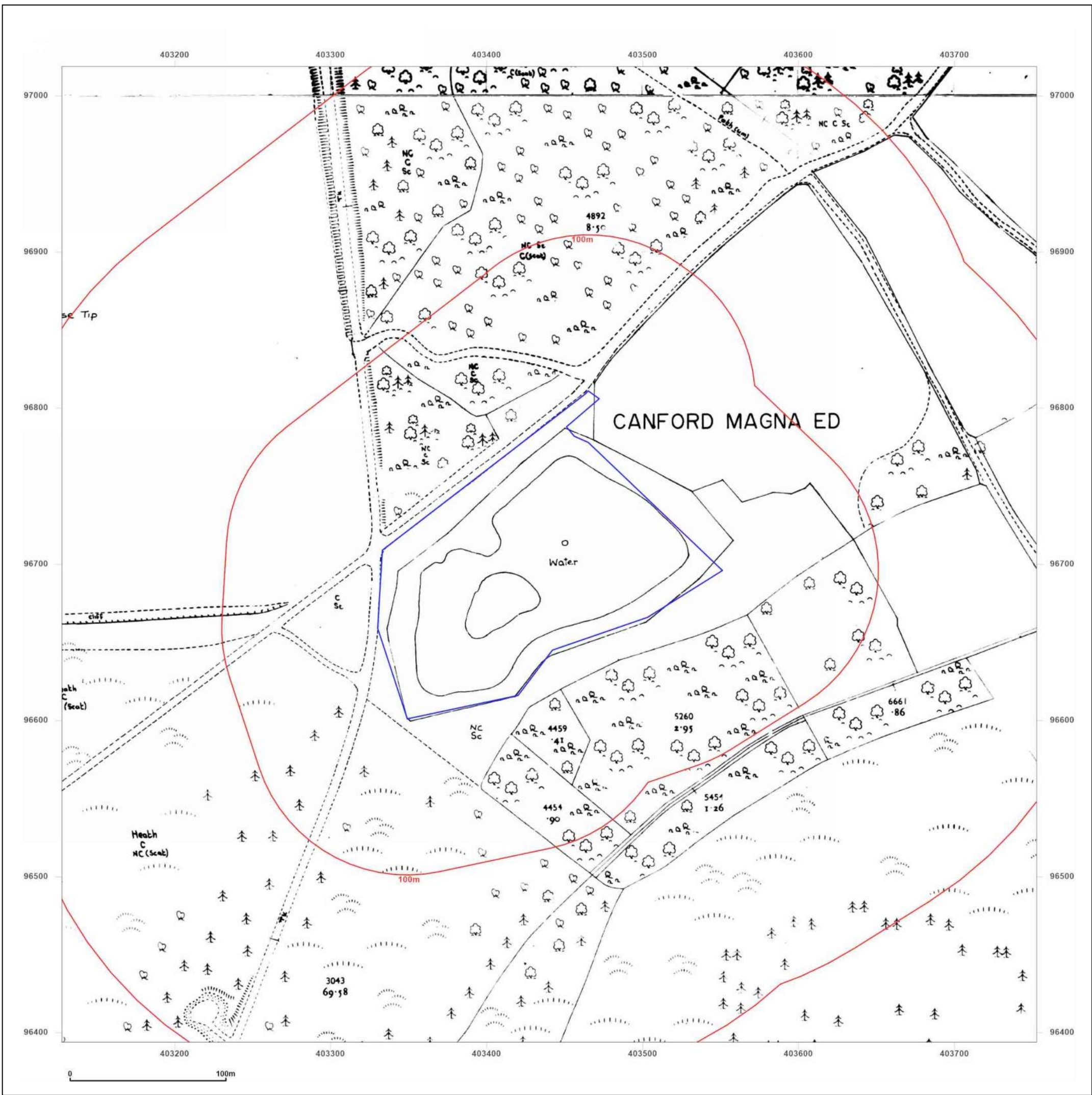
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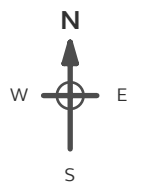
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Surveyed N/A  
Revised N/A  
Edition N/A  
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**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1993  
Revised N/A  
Edition N/A  
Copyright 1993  
Levelled N/A

Surveyed 1993  
Revised 1993  
Edition N/A  
Copyright N/A  
Levelled N/A

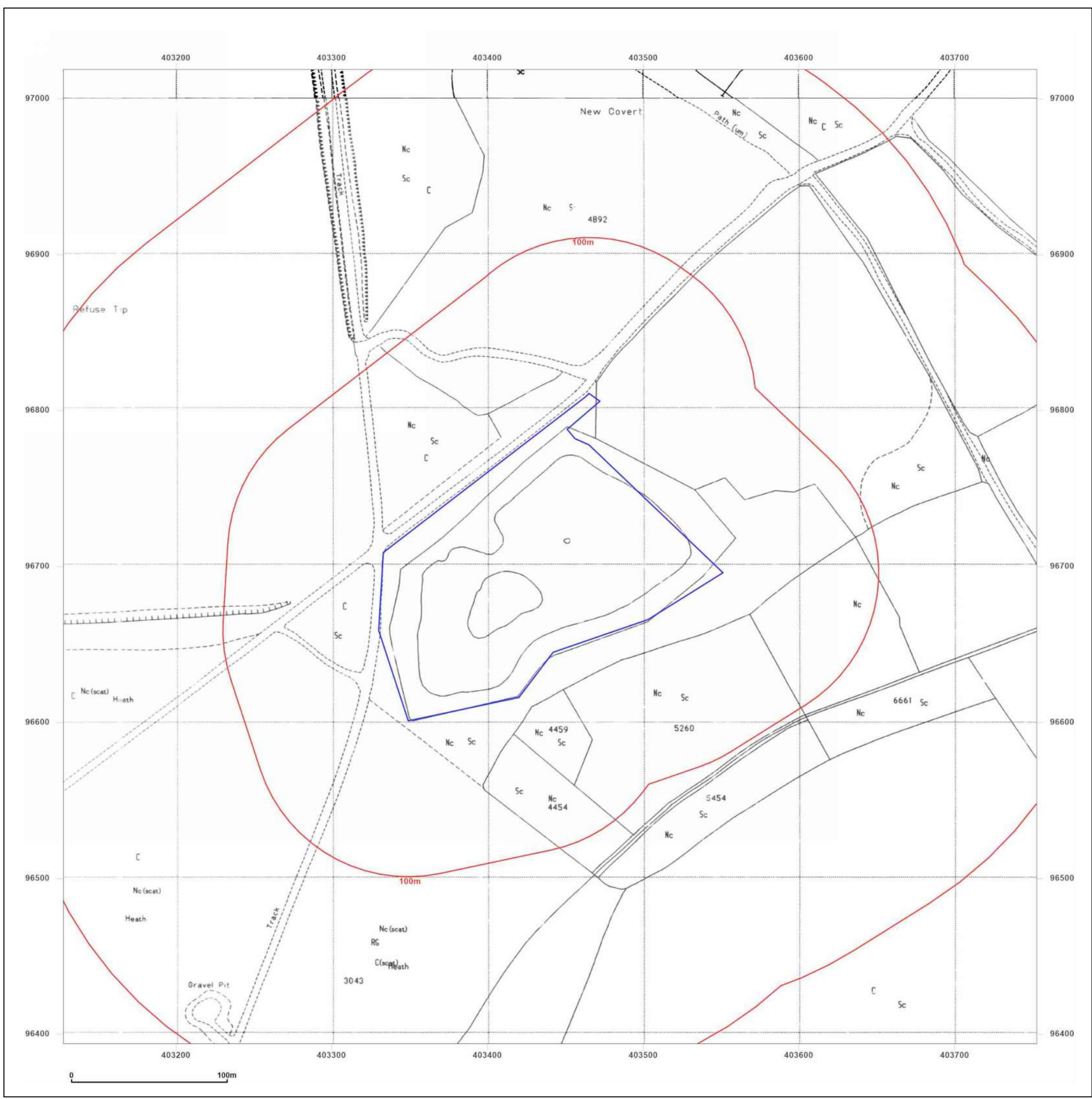


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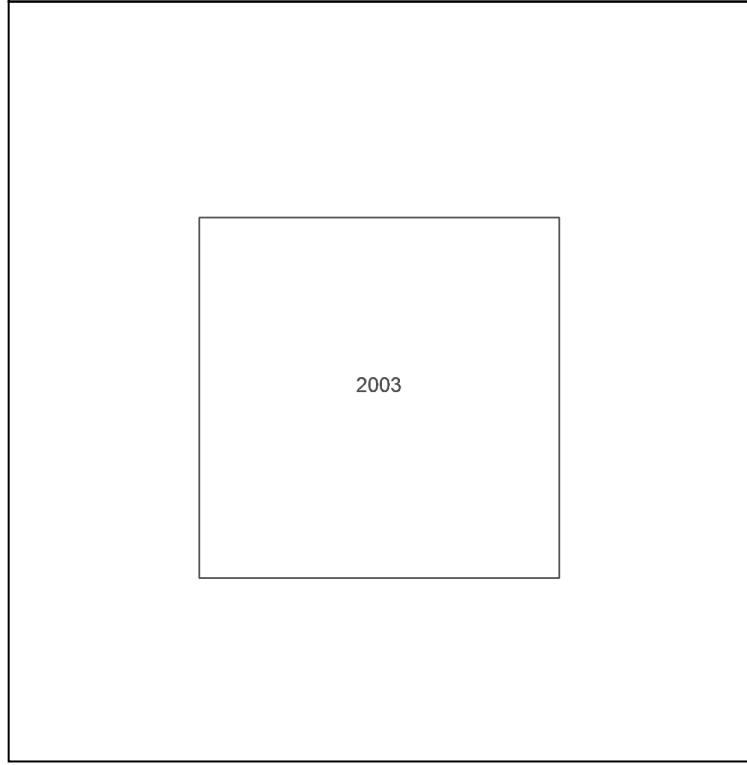
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**Grid Ref:** 403440, 96706

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**Map date:** 2003

**Scale:** 1:1,250

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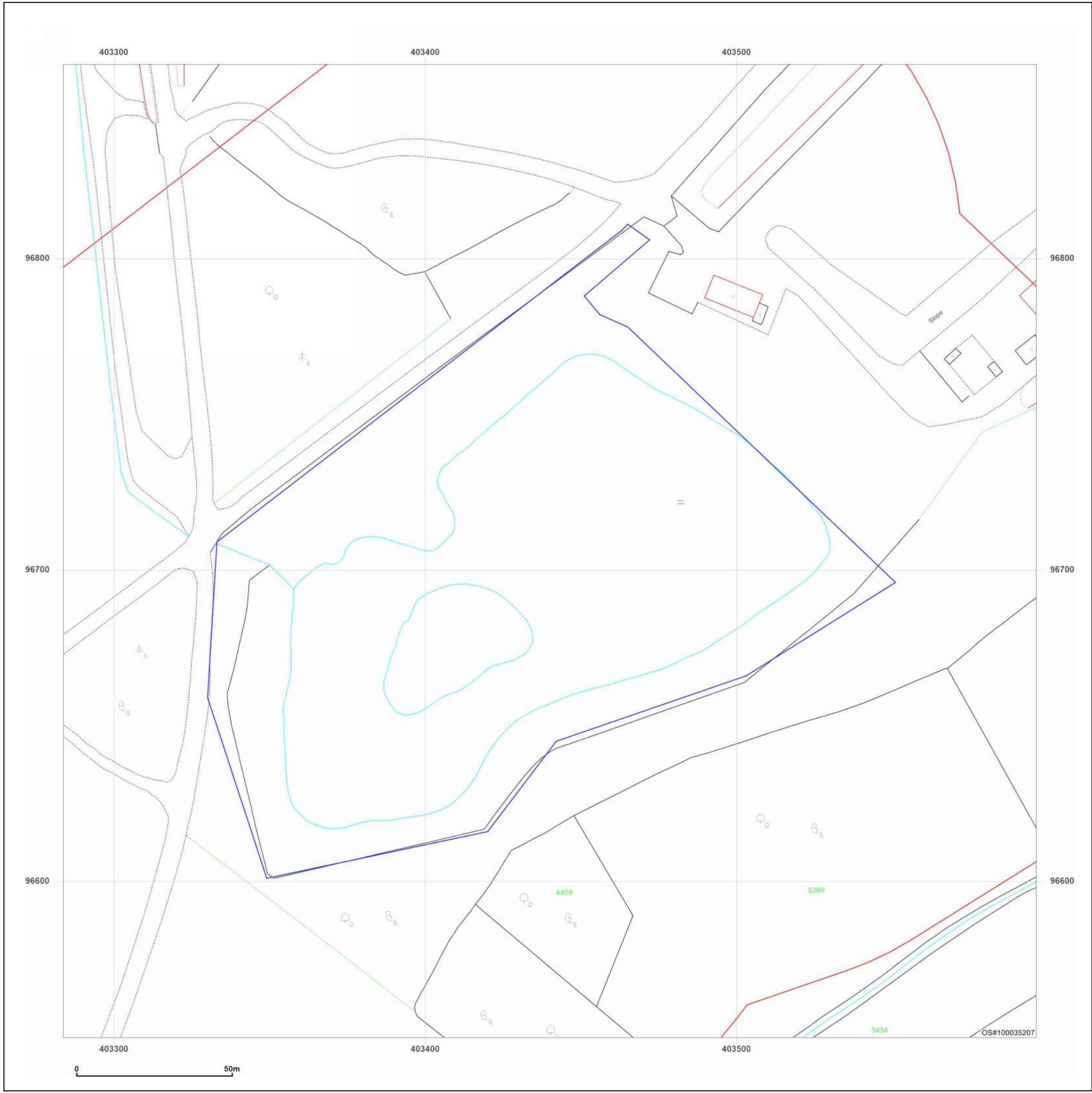


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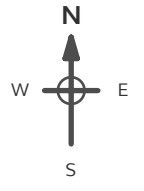




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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series  
**Map date:** 1887  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



Surveyed 1887  
 Revised 1887  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

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Surveyed 1887  
 Revised 1887  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

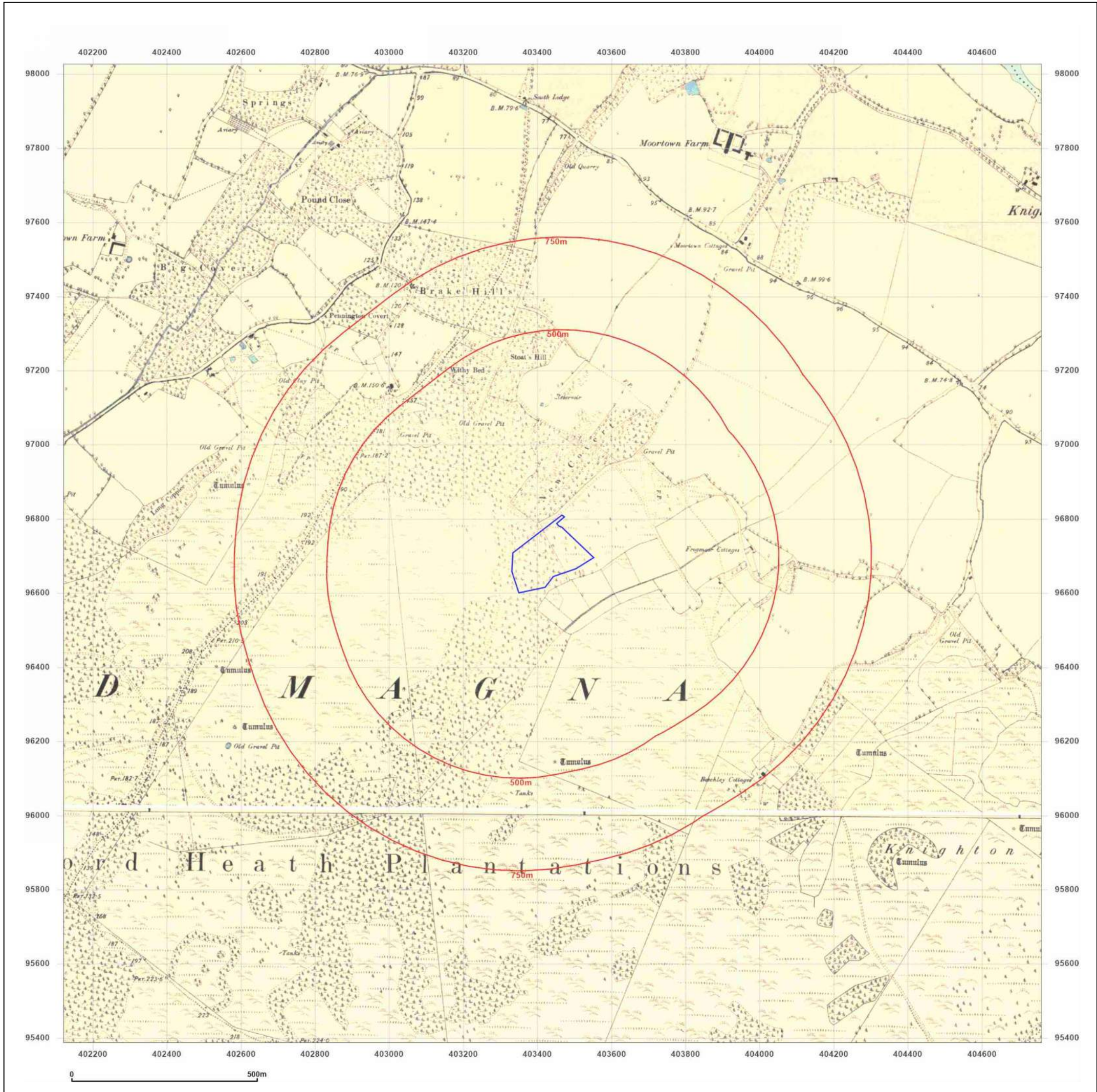


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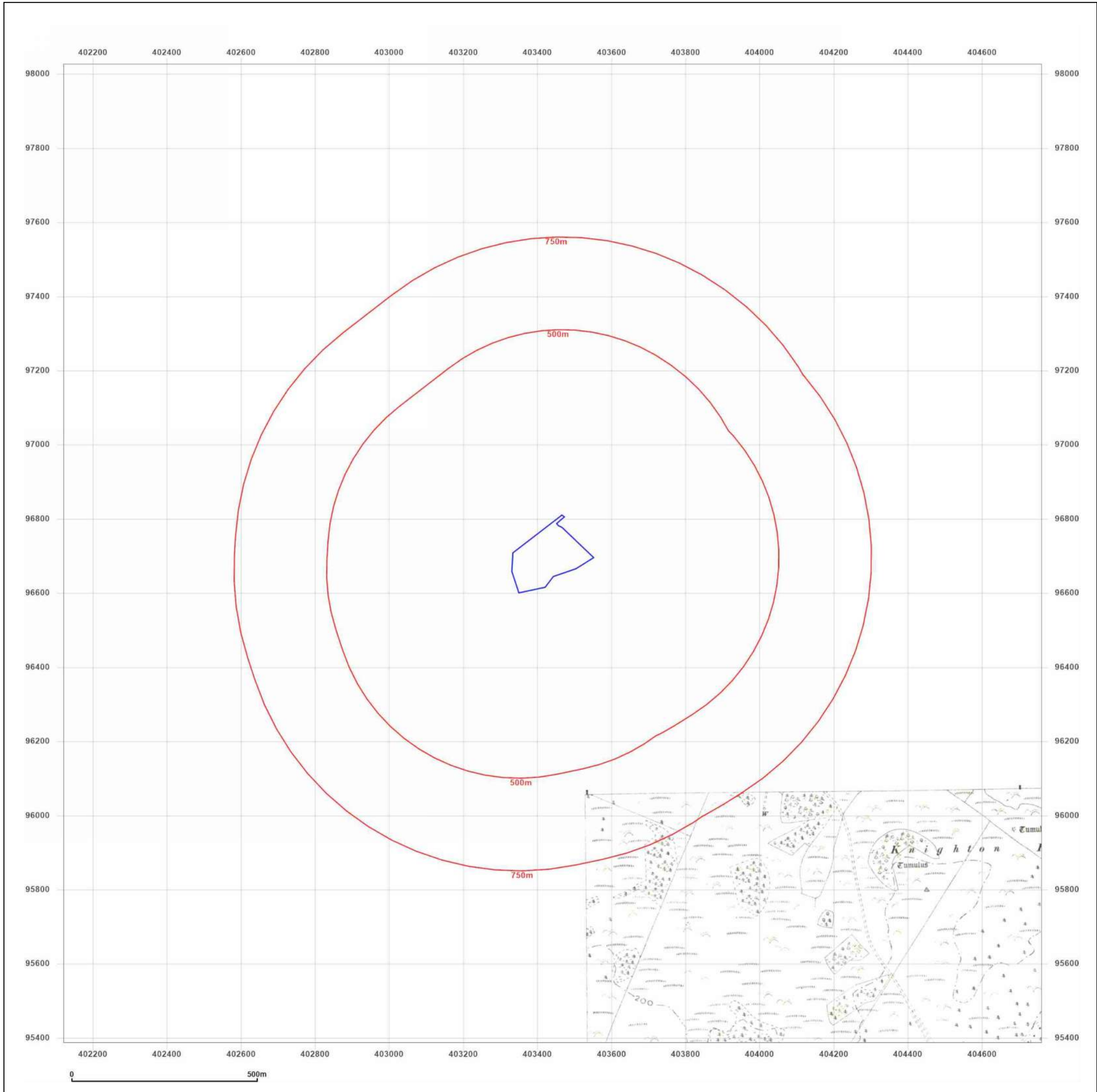
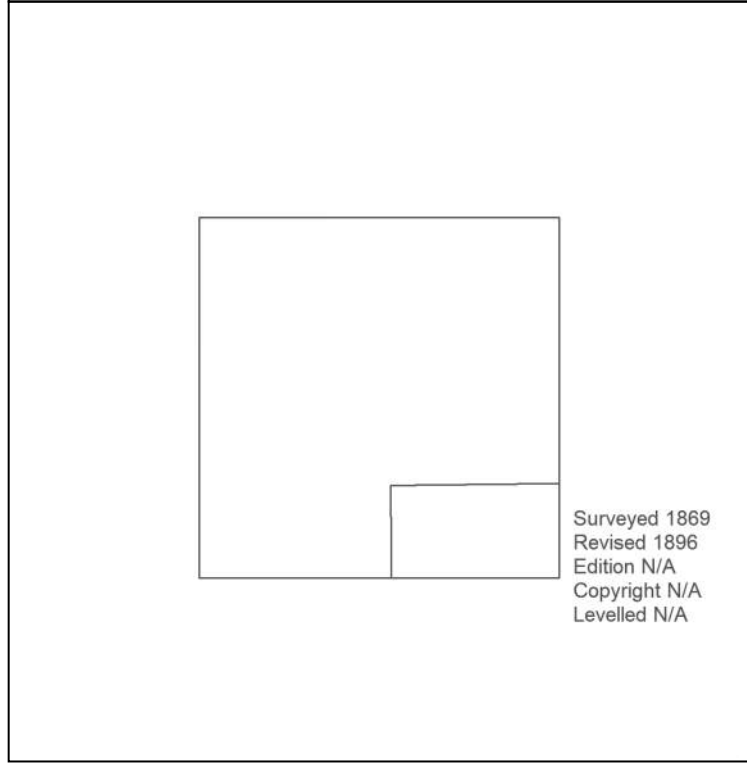
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**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1896

**Scale:** 1:10,560

**Printed at:** 1:10,560



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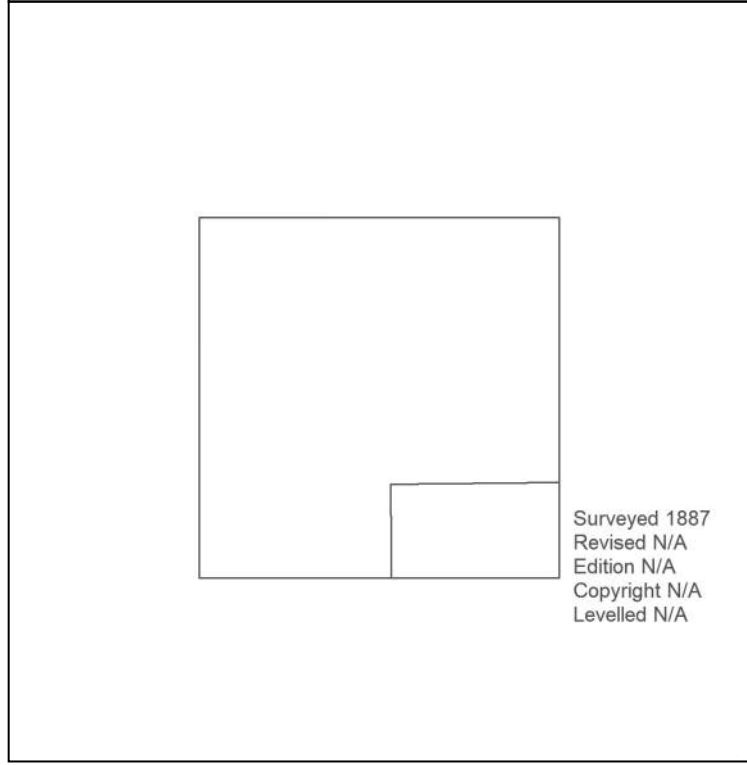
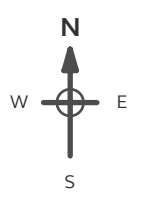
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**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1899

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1887  
Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

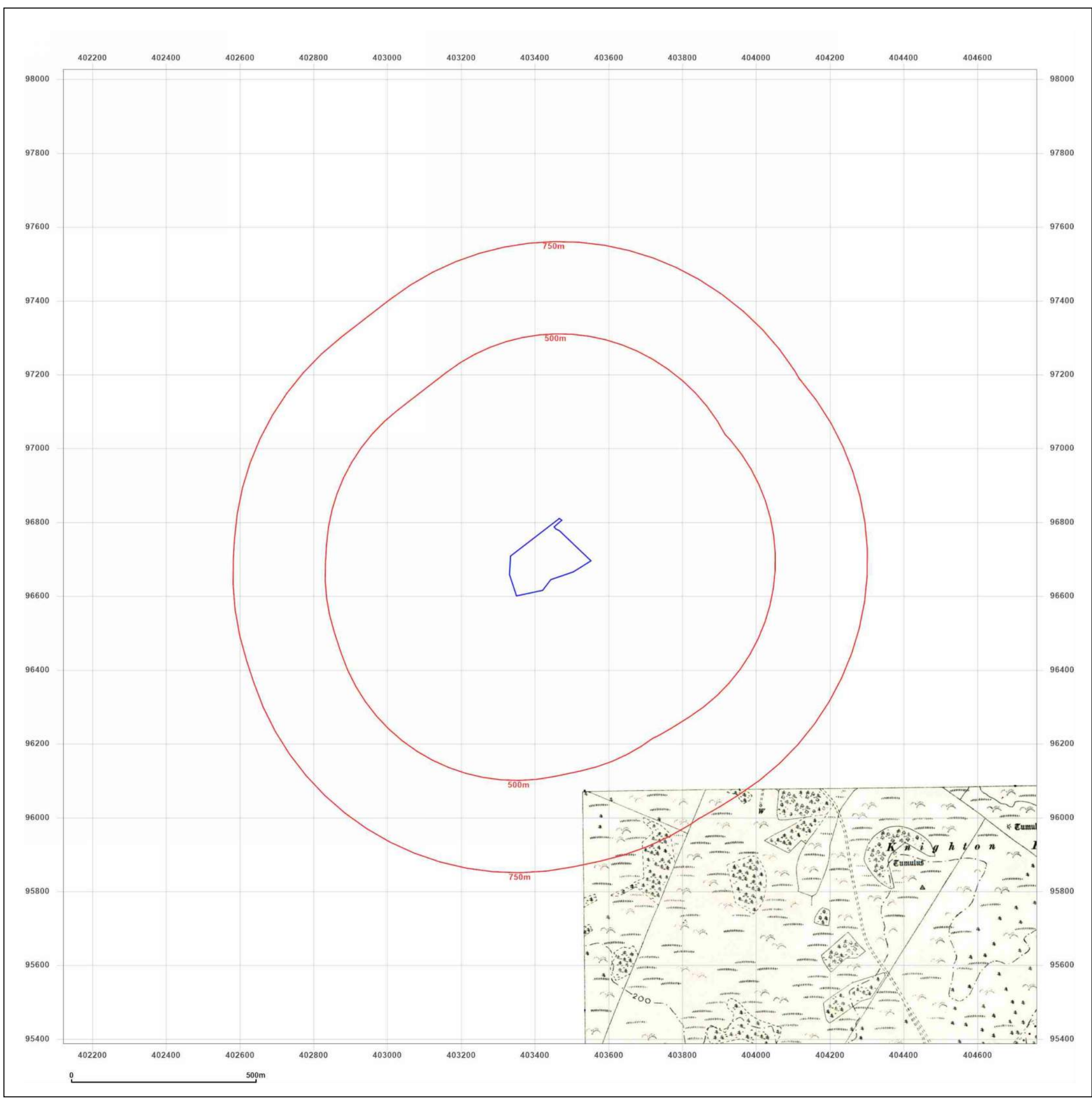


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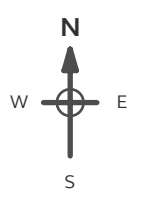




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**Map Name:** County Series  
**Map date:** 1900  
**Scale:** 1:10,560  
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 Revised 1900  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1886  
 Revised 1900  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

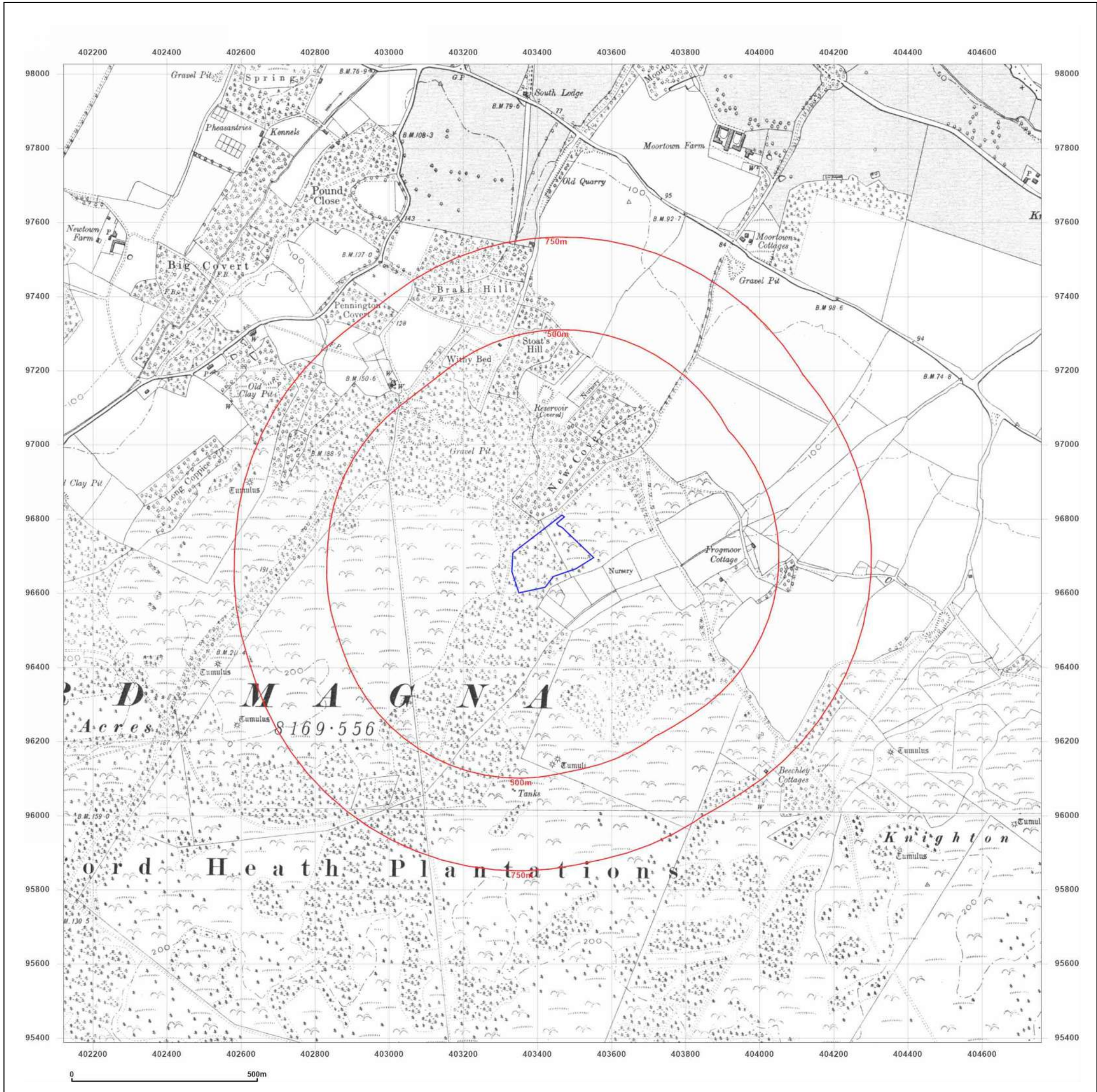
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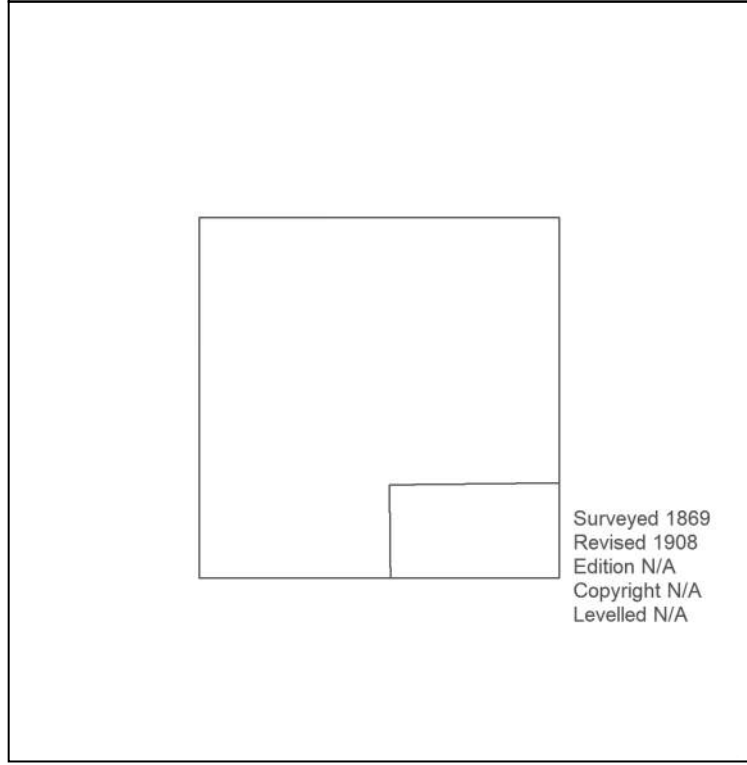
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**Map Name:** County Series

**Map date:** 1908

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**Printed at:** 1:10,560



Surveyed 1869  
Revised 1908  
Edition N/A  
Copyright N/A  
Levelled N/A

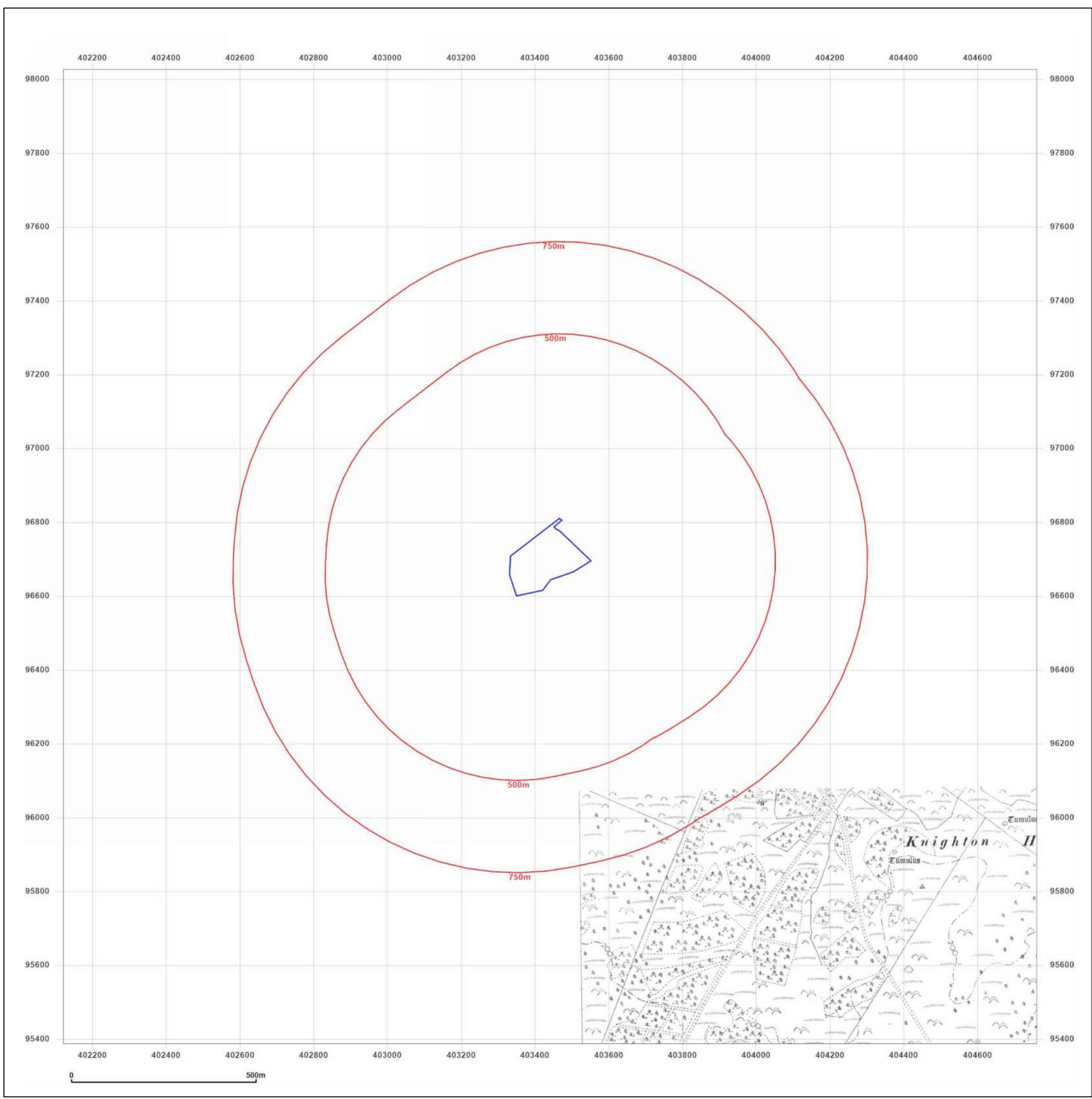


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**Client Ref:** EX-21-001  
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**Map Name:** County Series

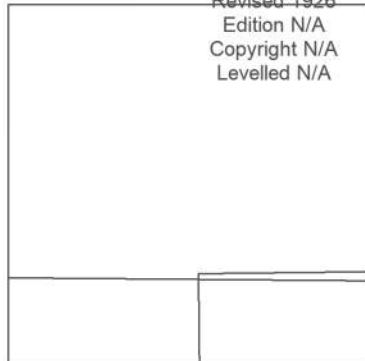
**Map date:** 1923-1926

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1886  
Revised 1926  
Edition N/A  
Copyright N/A  
Levelled N/A



Surveyed 1869  
Revised 1923  
Edition N/A  
Copyright N/A  
Levelled N/A

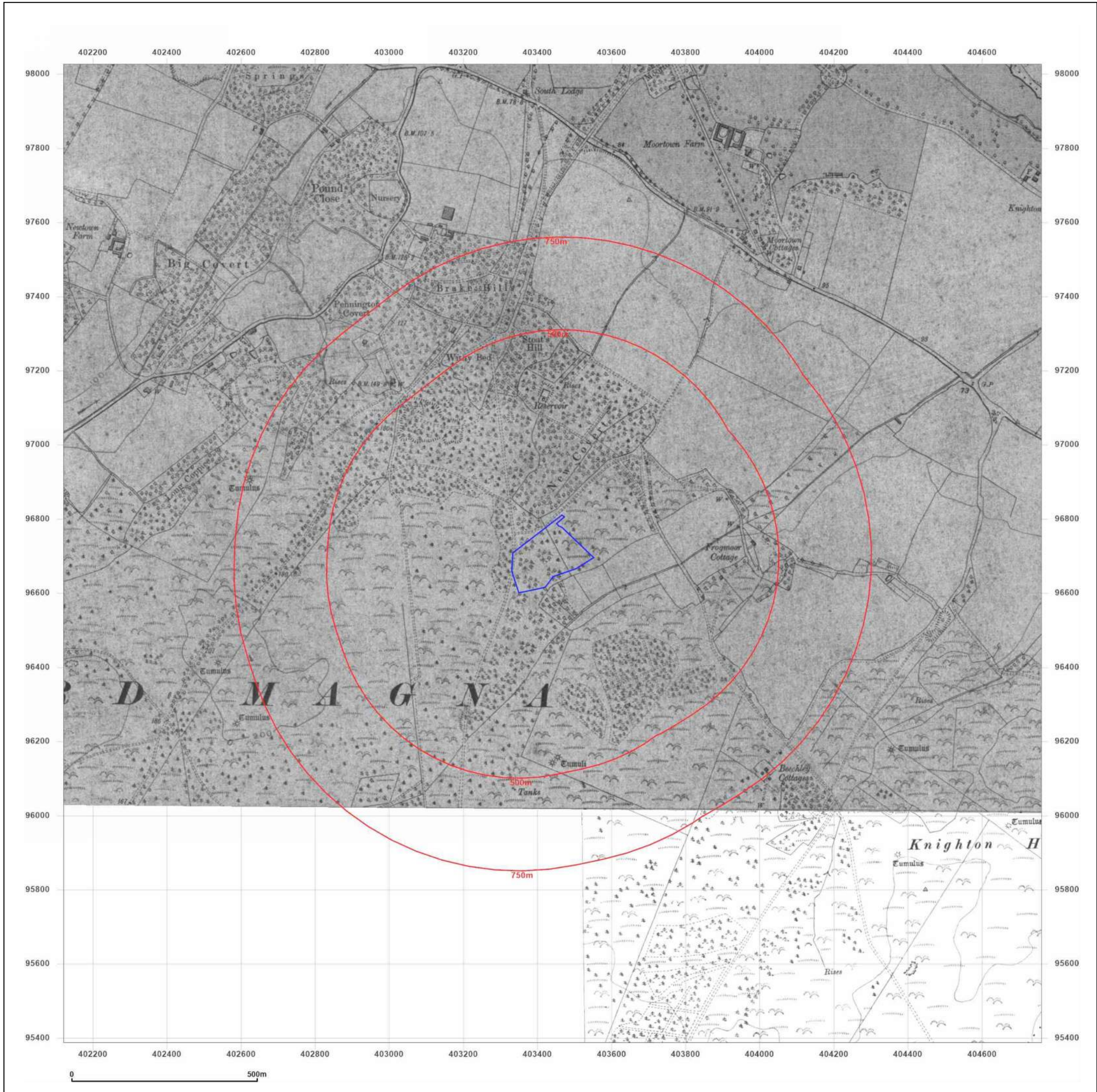


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**Client Ref:** EX-21-001  
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Surveyed 1886  
 Revised 1926  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1886  
 Revised 1923  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

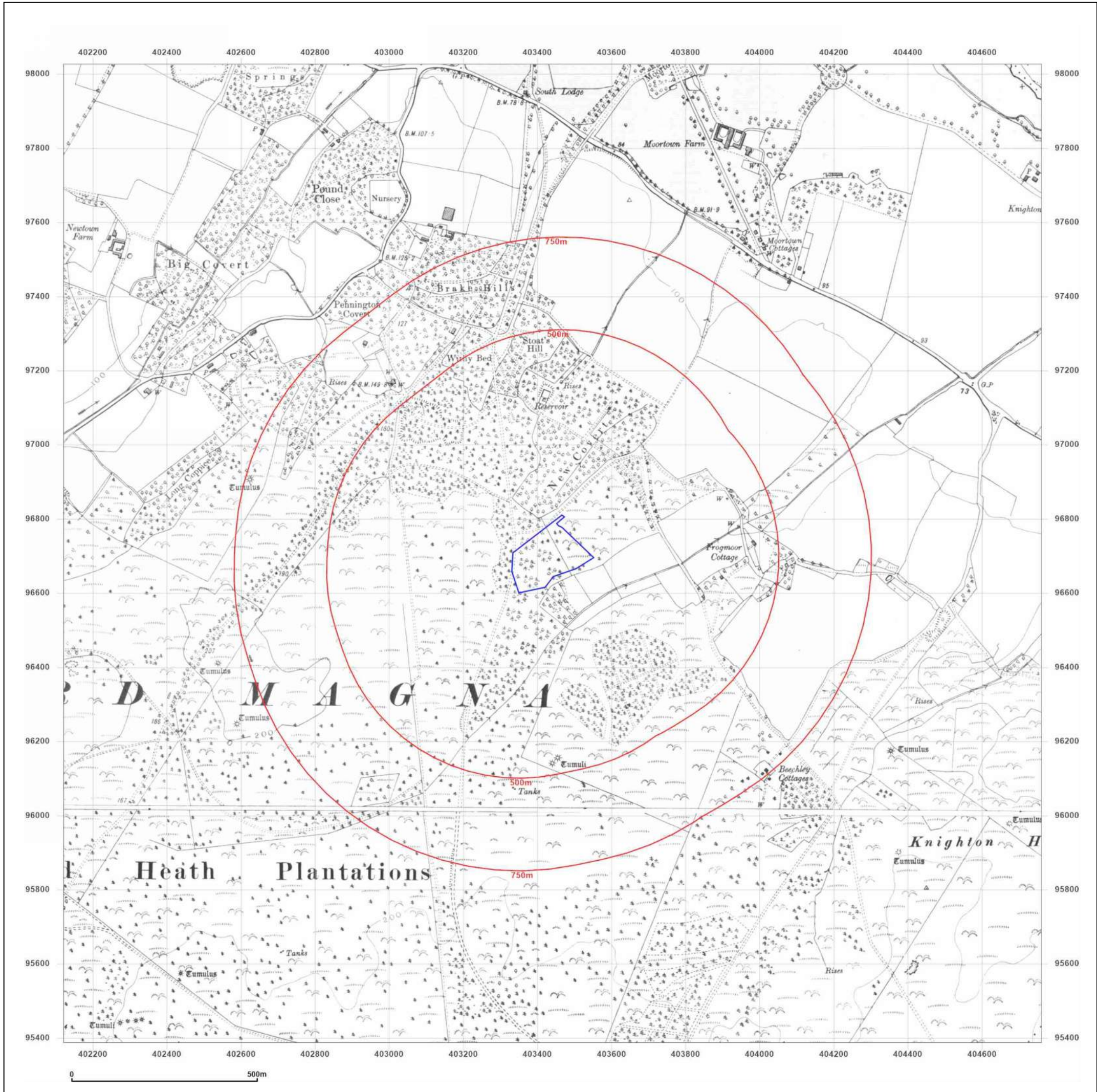
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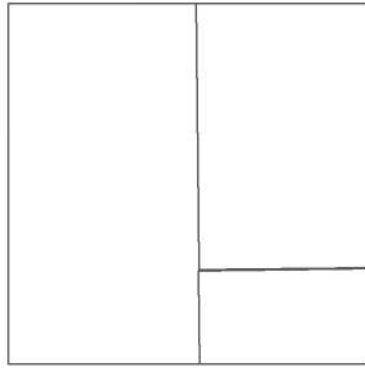
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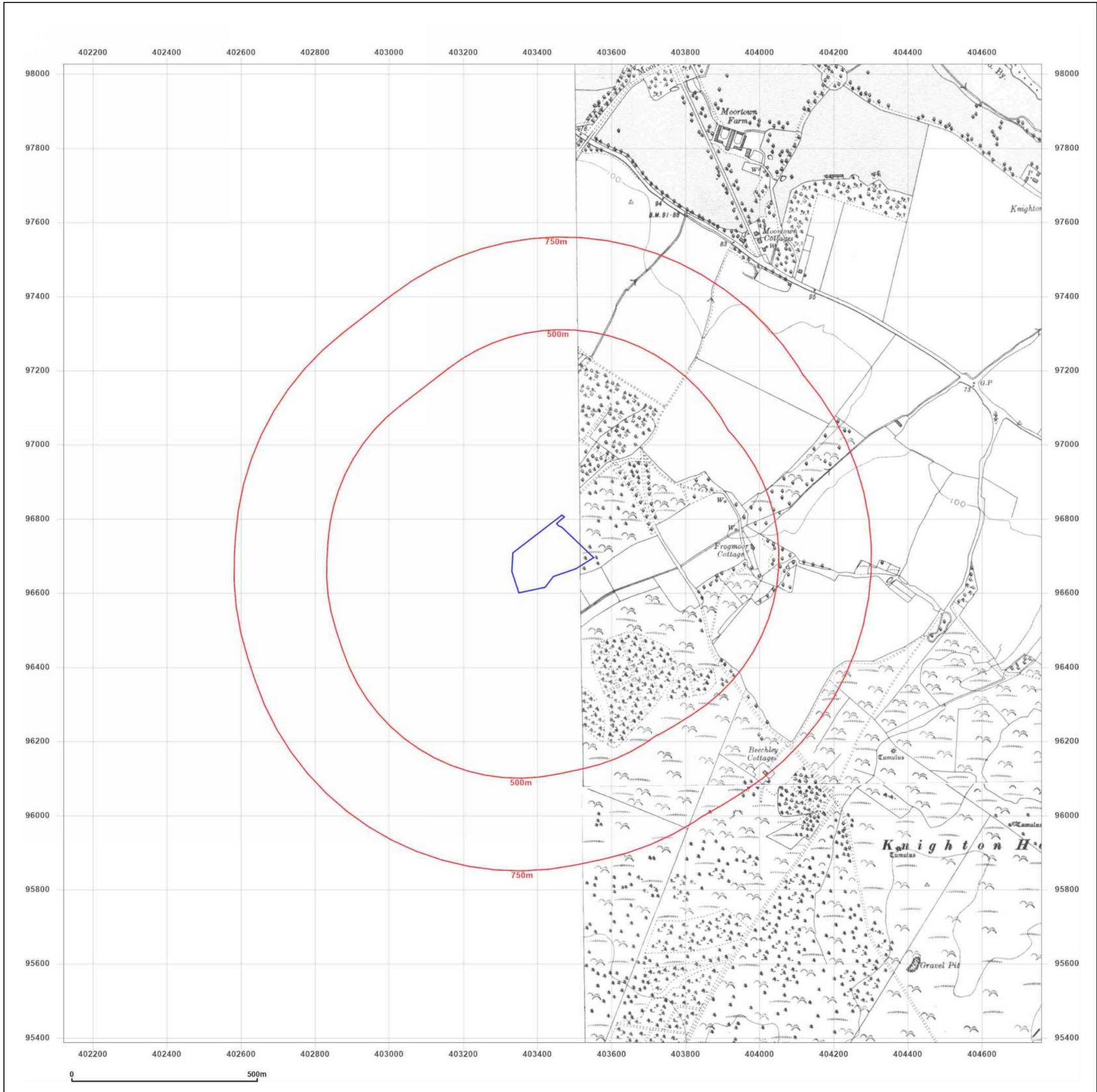
**Scale:** 1:10,560

**Printed at:** 1:10,560

Surveyed 1886  
Revised 1932  
Edition N/A  
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Surveyed 1869  
Revised 1932  
Edition N/A  
Copyright N/A  
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**Printed at:** 1:10,560



Surveyed 1886  
 Revised 1934  
 Edition N/A  
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 Revised 1932  
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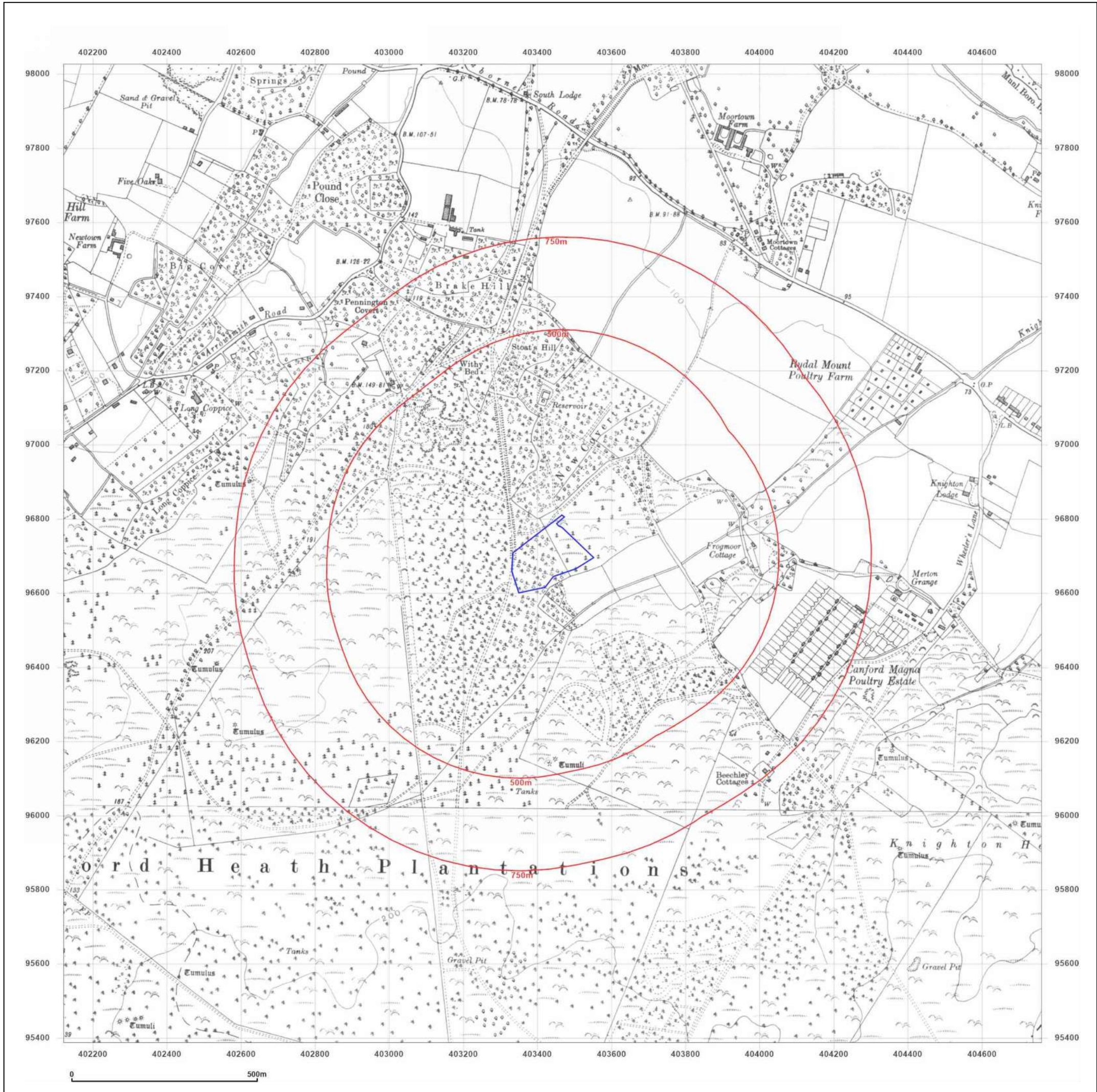
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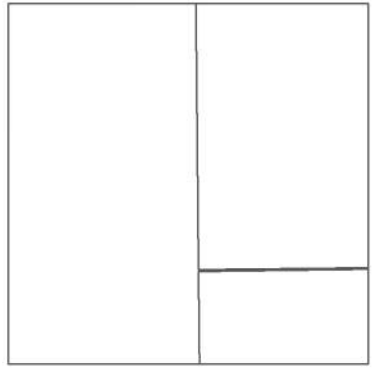
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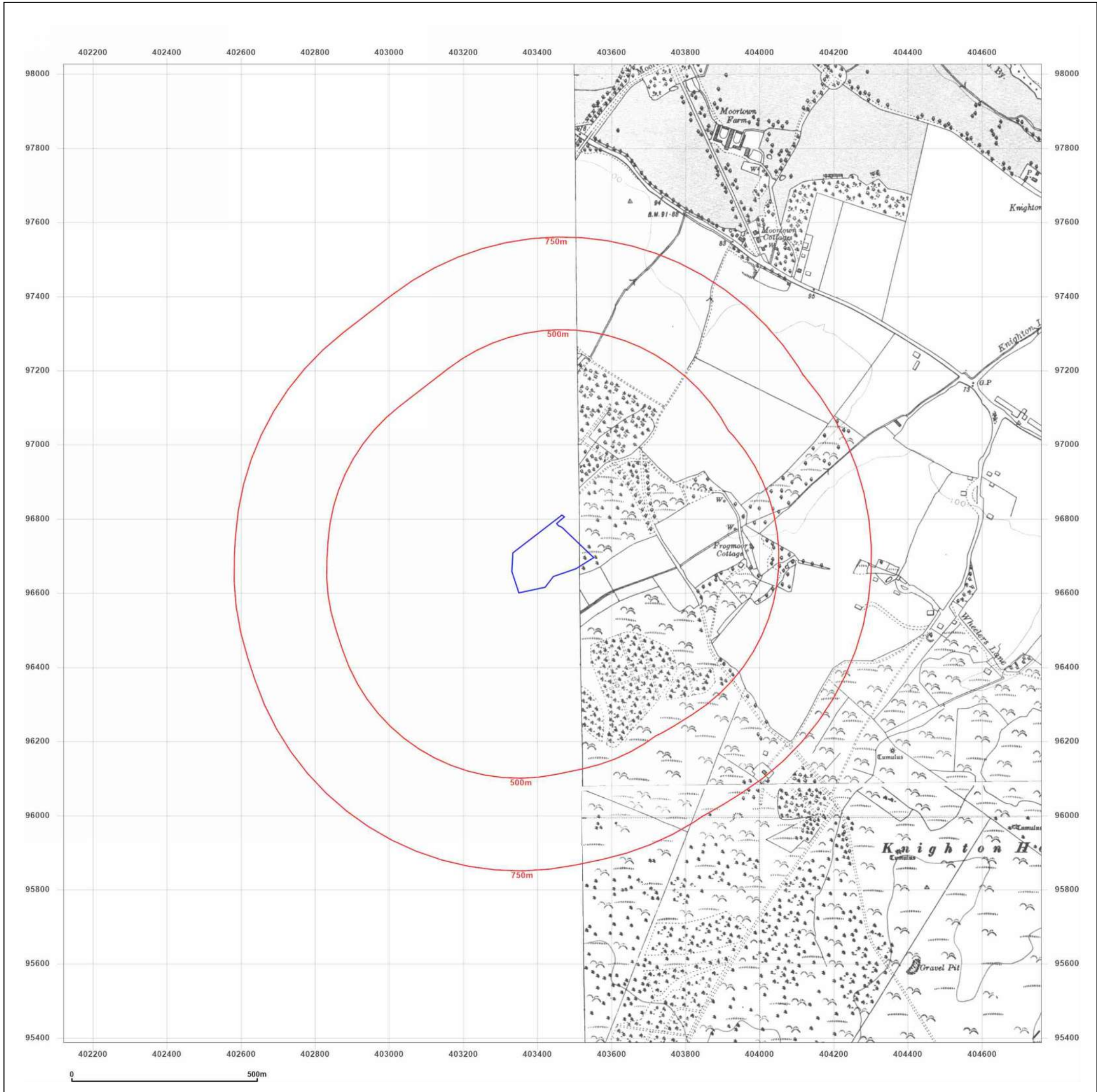
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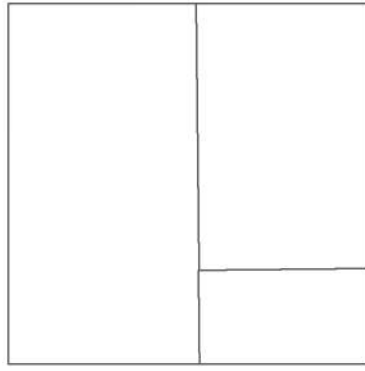
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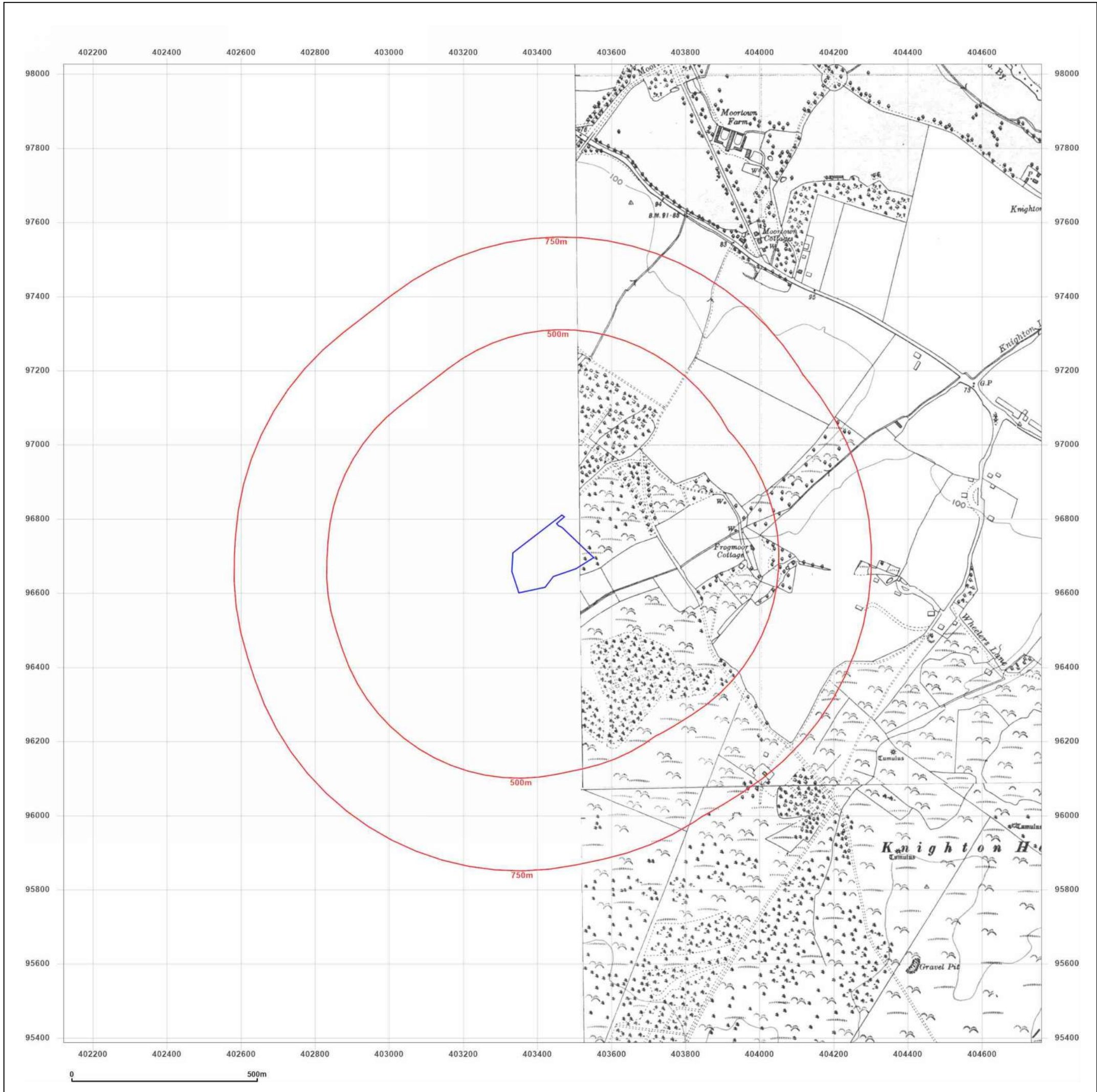
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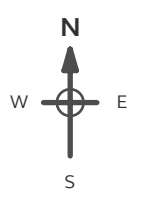


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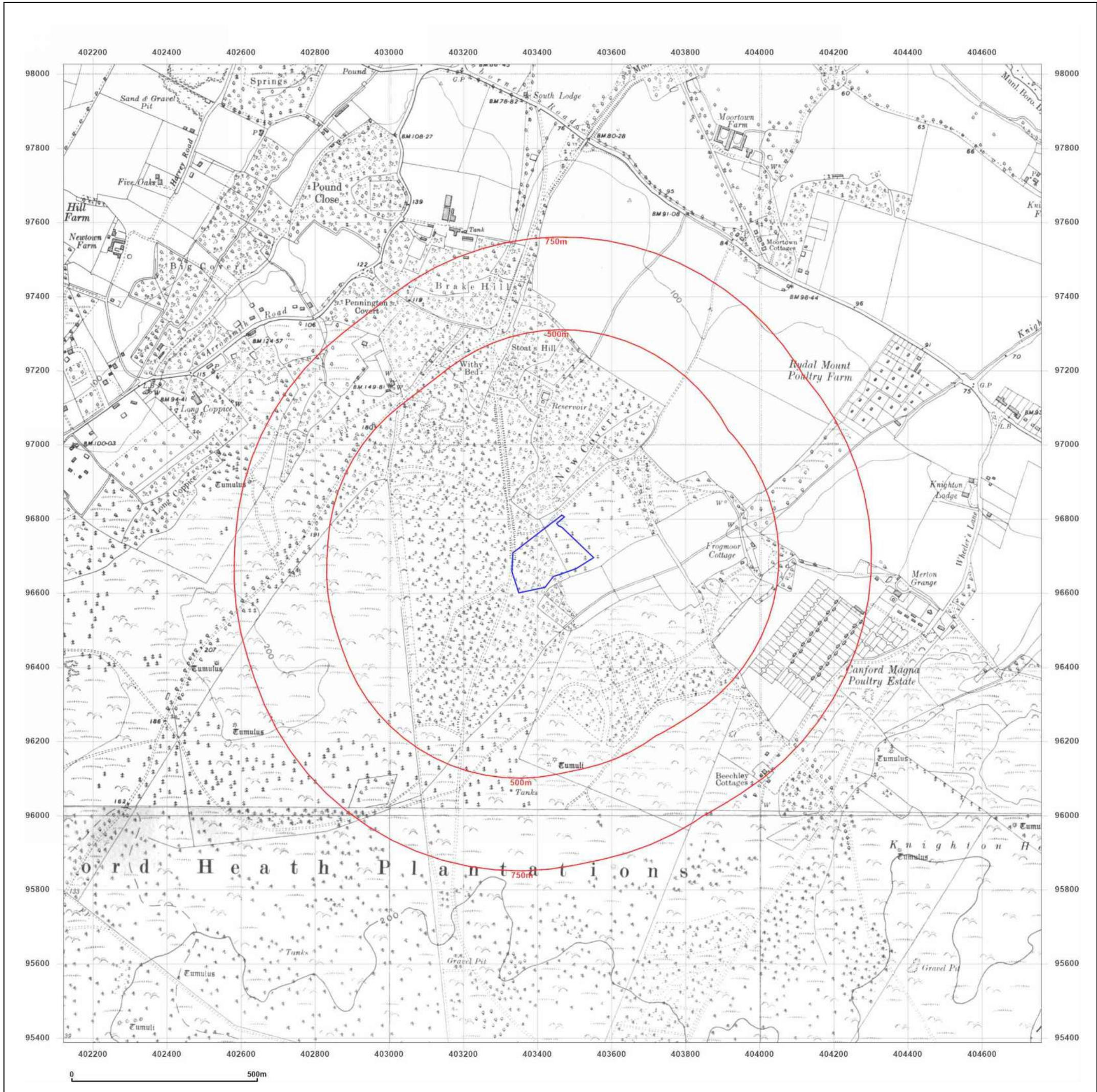


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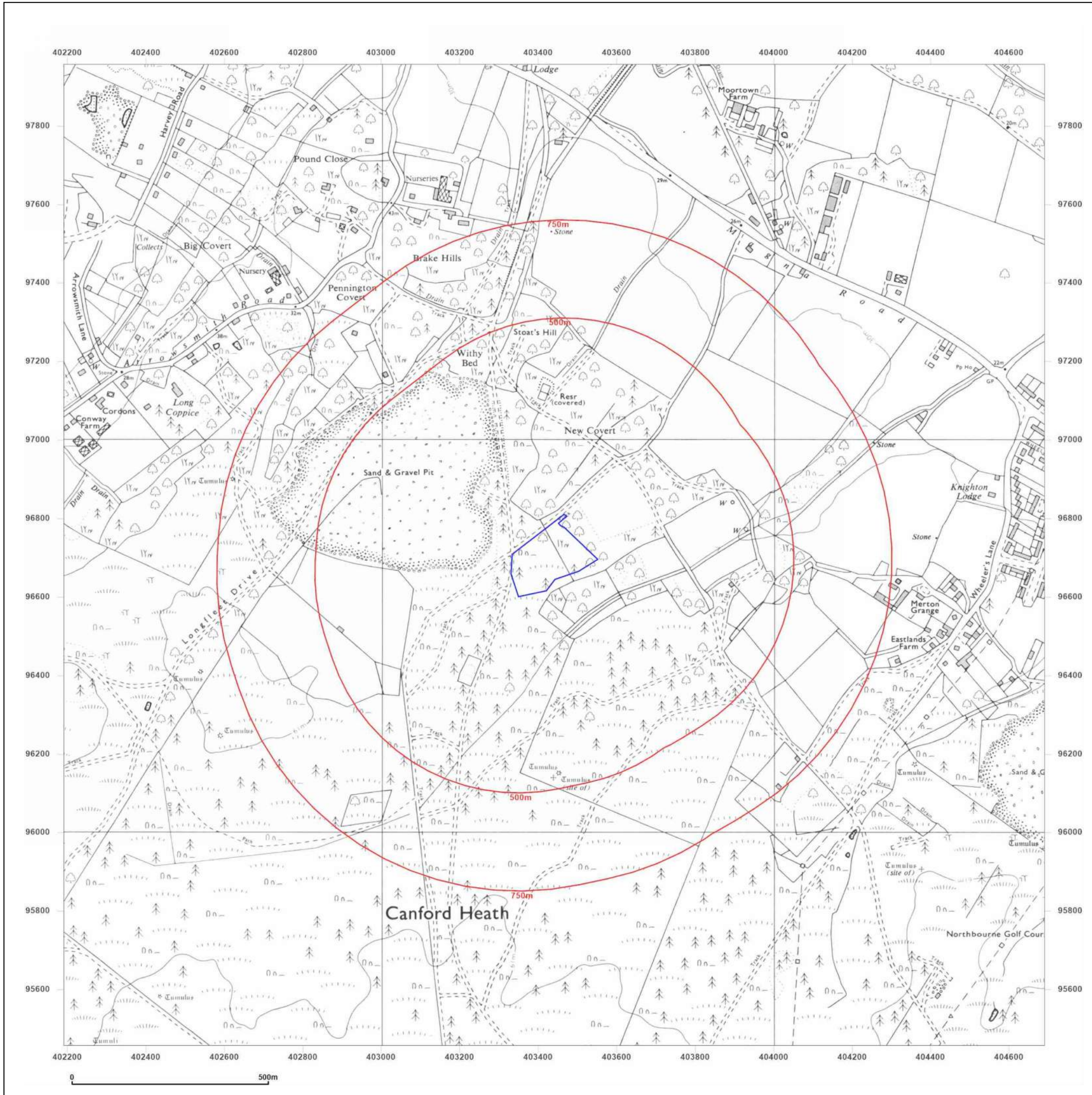


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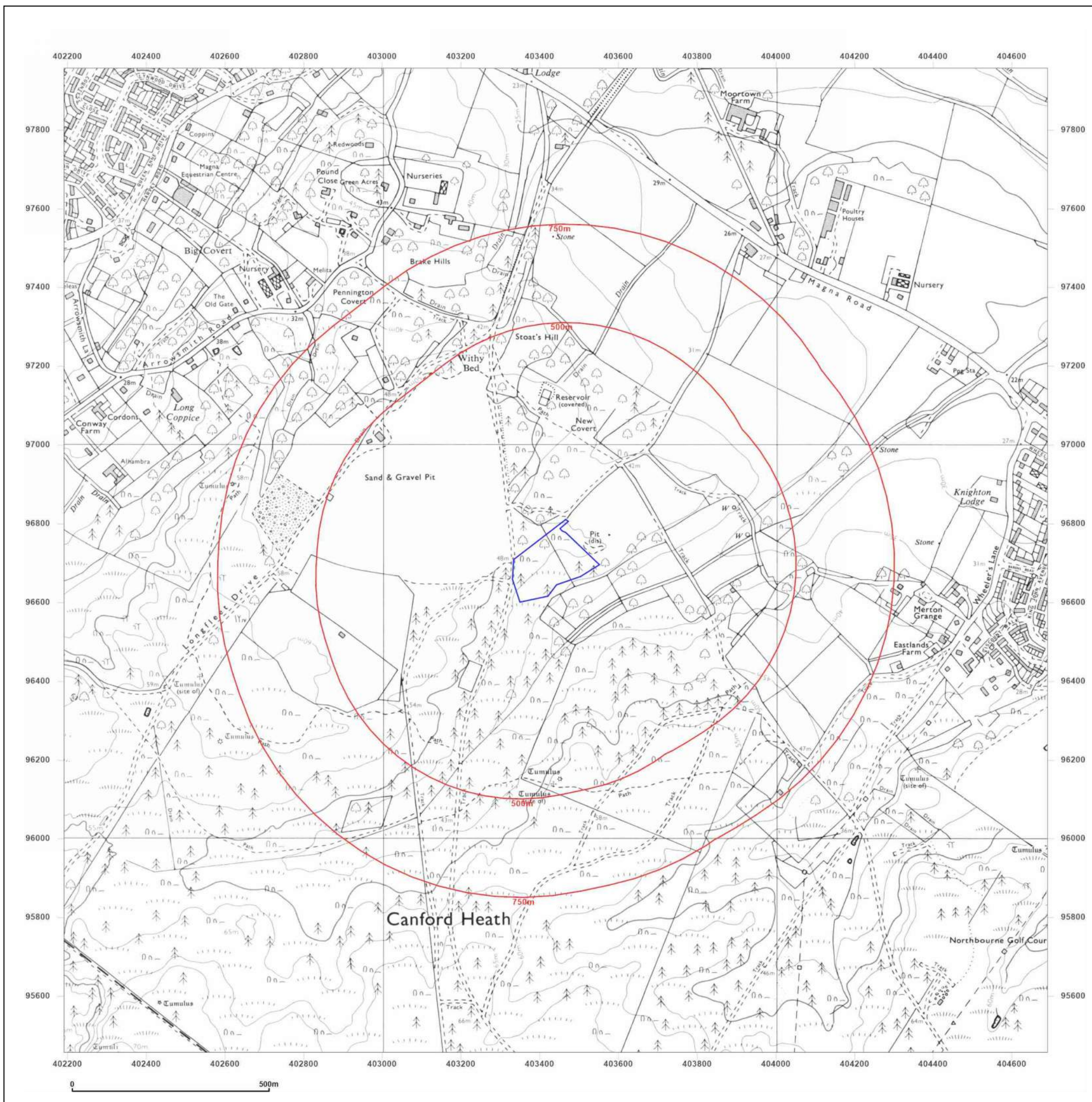


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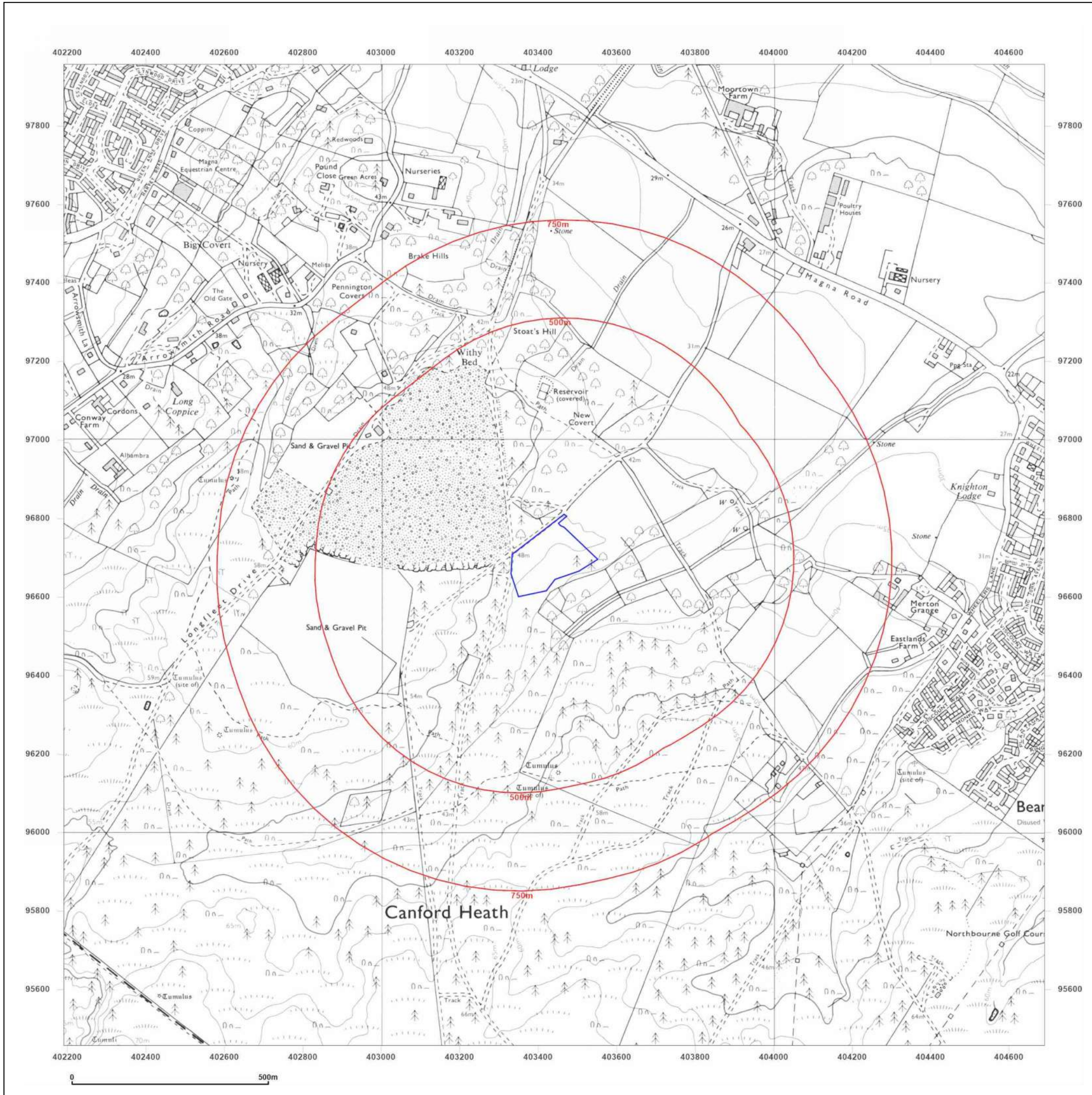


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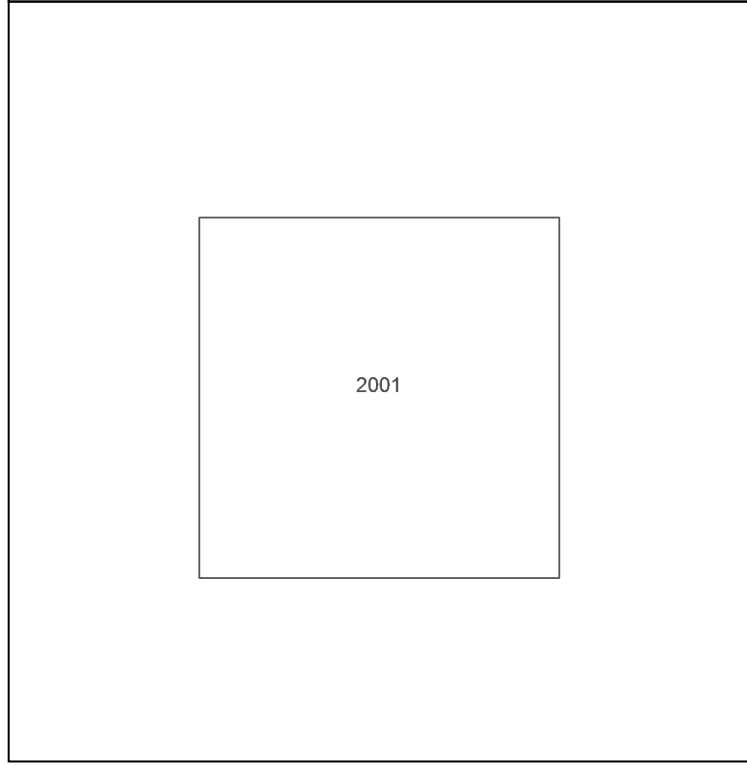
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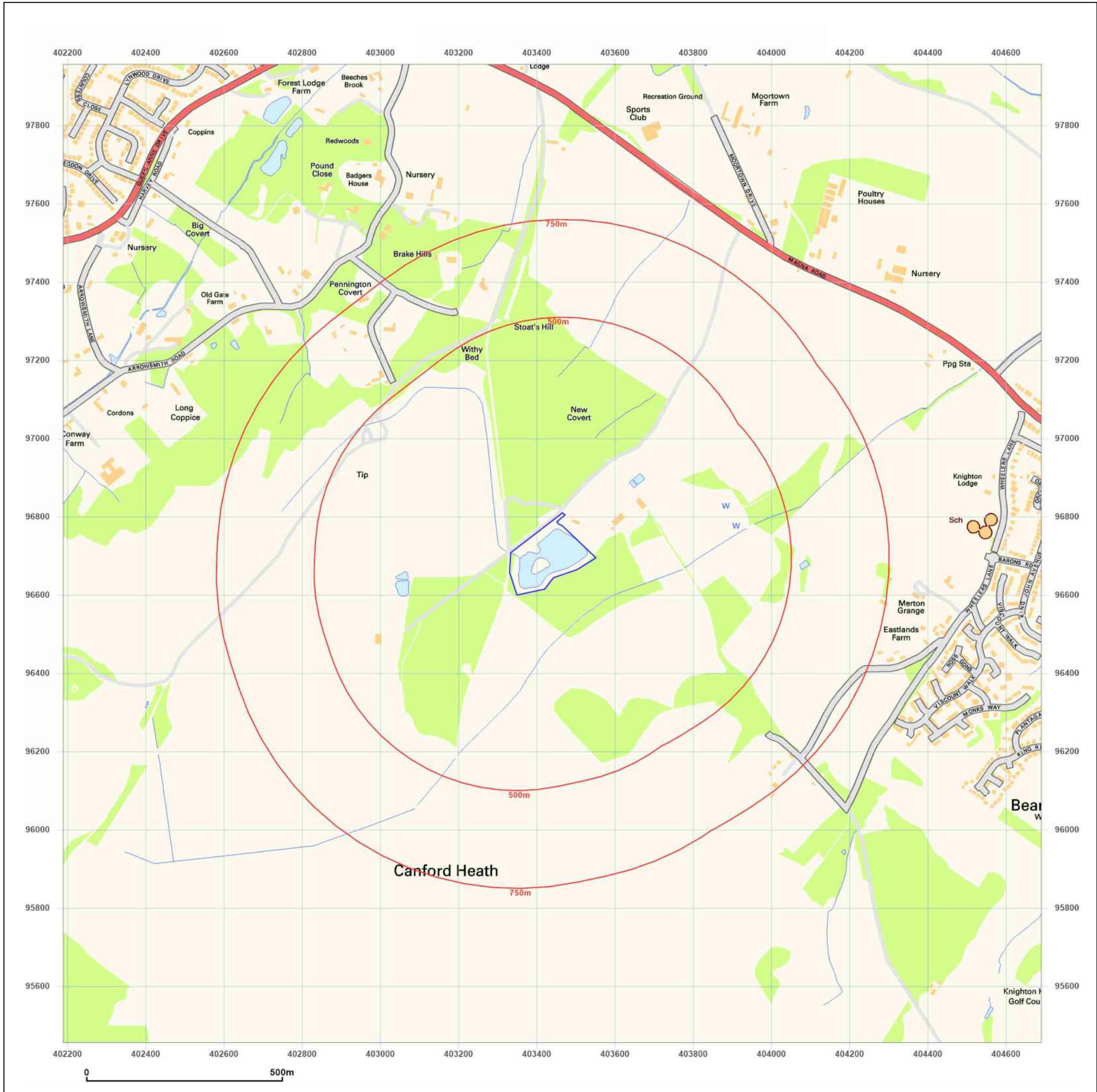


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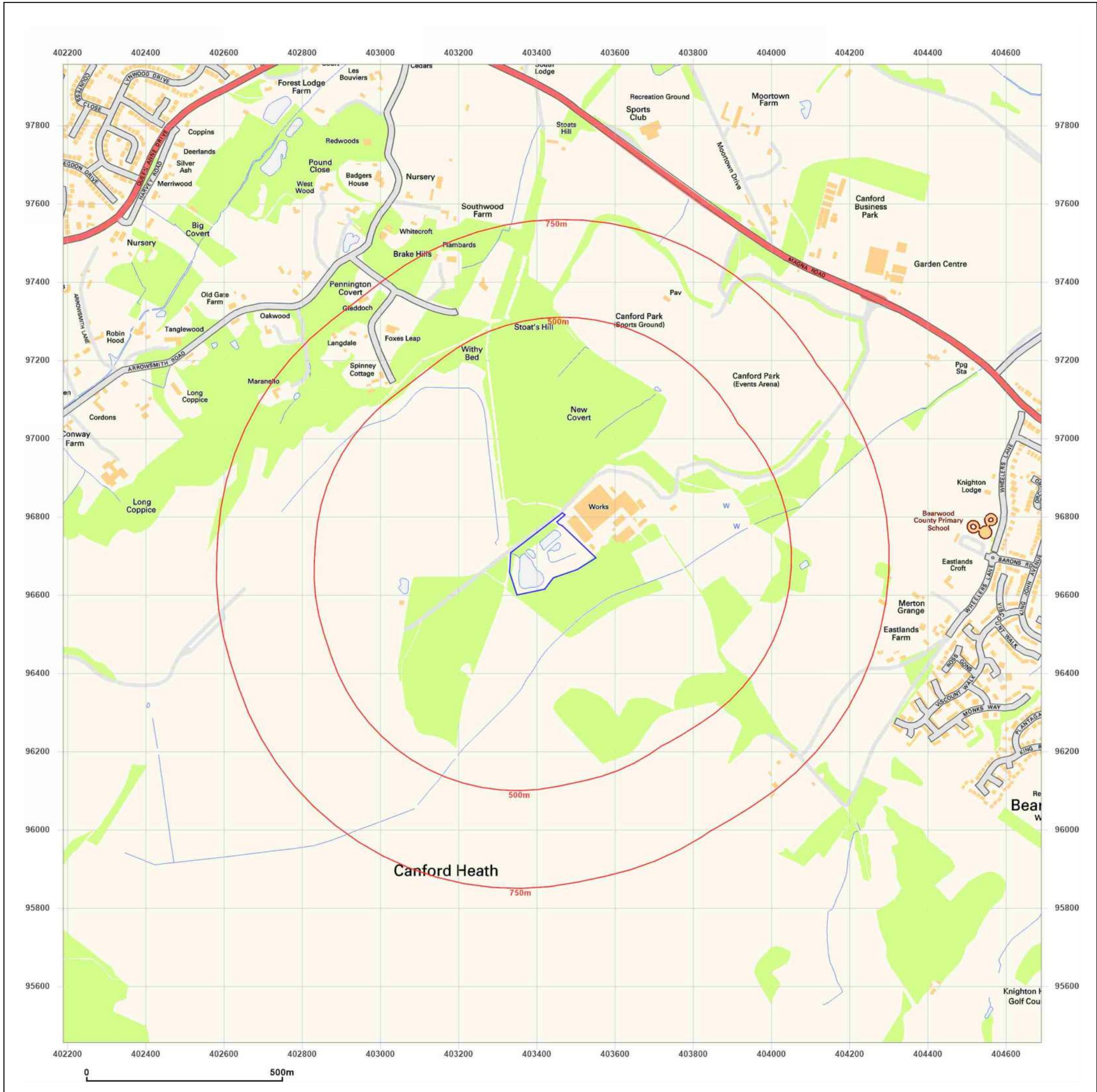


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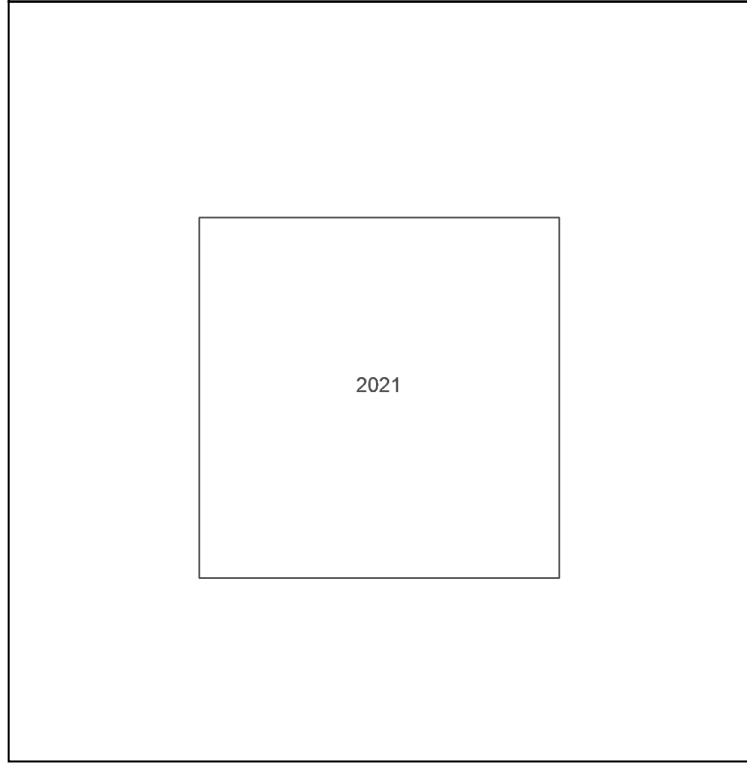
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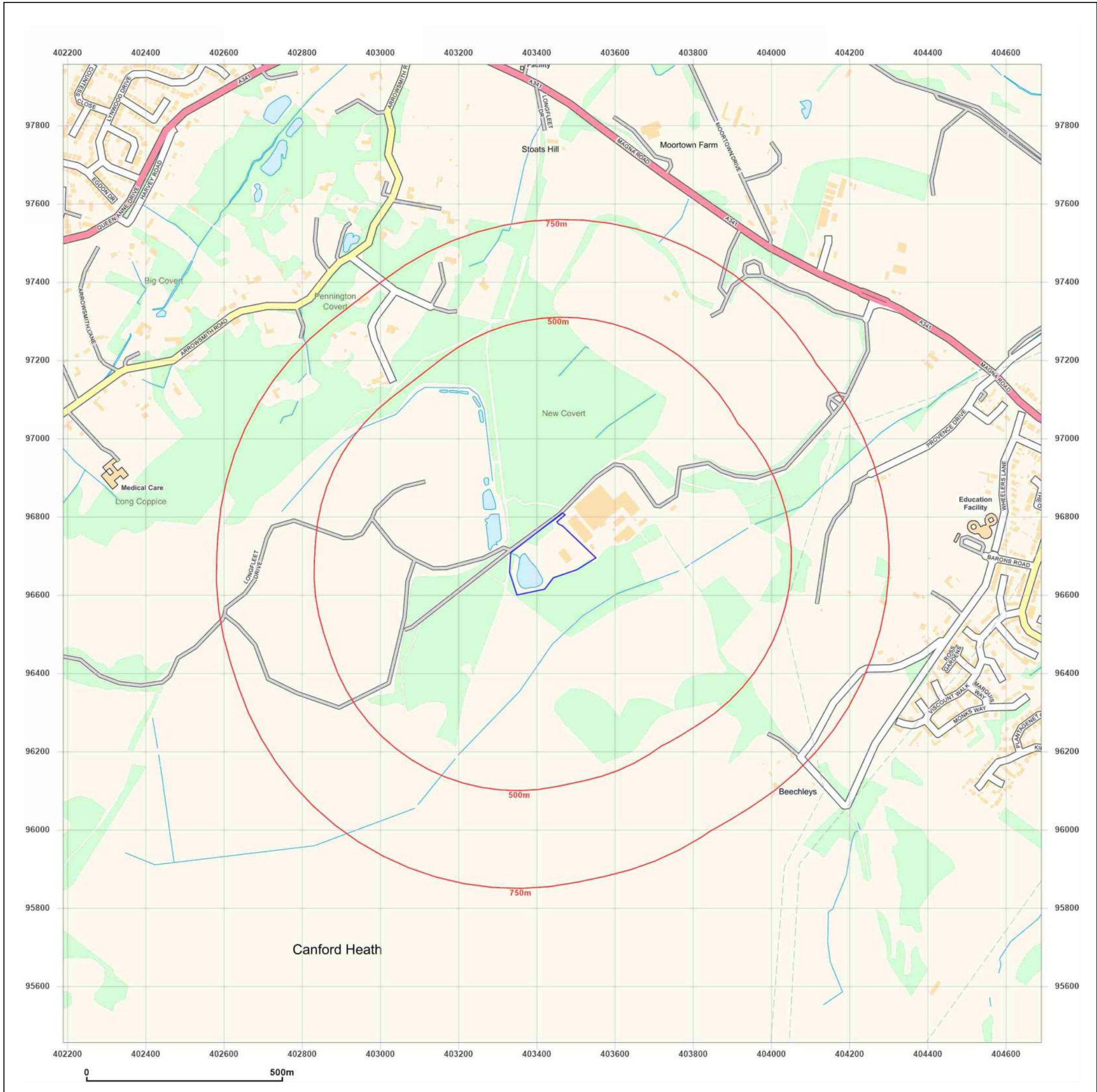


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## Appendix D – Previous Environmental Assessment Reports

**PHASE 1: CONTAMINATED LAND &  
GEOTECHNICAL DESK STUDY REPORT**  
Proposed Commercial Development  
Canford Energy Park, Bournemouth, Hampshire

Prepared for: Canford Renewable Energy

Date: September 2022

Report No: EX-21-001/P1



Consulting Geo-Technical &  
Geo-Environmental Engineers  
Site Investigation Contractors

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Tel: 01647 252414

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Web: [www.terrafirmasouth.co.uk](http://www.terrafirmasouth.co.uk)

**REPORT TITLE** : **Phase 1 Contaminated Land & Geotechnical Desk Study Report:**

**Proposed Commercial Development**

**Canford Energy Park, Bournemouth, Hampshire**

**REPORT STATUS** : **Final**

**REVISION** : **00**

**JOB NUMBER** : **EX-21-001/P1**

**DATE** : **September 2022**

**PREPARED BY** : *Immy Winter*

**Imogen Winter B.Sc. (Hons), M.Sc.**

**REVIEWED BY** : *Paul Standish*

**Paul Standish B.Sc.(Hons), CGeol, EurGeol, FGS**

**APPROVED BY** : *Steven Hill*

**Steven Hill B.Sc.(Hons), M.Sc., CGeol, EurGeol, FGS**

## **Executive Summary**

<b>Proposals</b>	Canford Renewable Energy is proposing the construction of a new commercial development within land at Canford Energy Park, Bournemouth, Hampshire. The proposed development will consist of an Energy from Waste (EfW) Incinerator building and associated infrastructure.	
<b>Geology</b>	<p>The Geological Map of the area shows the site to be underlain by the Poole Formation, which typically comprises both sand and clay units.</p> <p>Superficial deposits in the form of River Terrace Deposits - 10 are shown to overlie the bedrock geology of the area, which typically comprise of sand and gravel, locally with lenses of silt, clay or peat.</p>	
<b>Mining</b>	In summary, the risk from underground and/or surface mining activity is likely to be <b>Moderate</b> .	
<b>Preliminary Geotechnical Risk Assessment</b>	The preliminary geotechnical risk assessment has revealed that a <b>Moderate</b> risk is present from geotechnical aspects, with particular risk specifically associated with the likely presence of made ground and poor shallow ground conditions.	
<b>Recommendations</b>	In order to confirm the above preliminary geotechnical risk assessment, it is recommended that a Phase 2 Intrusive Site Investigation is undertaken in order to determine the ground conditions and confirm relevant geotechnical aspects.	
<b>Potential Sources of Contamination</b>	<b>On-site</b>	<p>Historically, the site has typically comprised of woodland, marshland, heathland before becoming an overspill lake for the adjacent sand and gravel pit to the northwest sometime around 1989.</p> <p>Currently, the site comprises a vehicle / storage area for the adjacent industrial recycling companies' operations.</p>
	<b>Off-site</b>	<p>Historically, the surrounding area (&lt;250m) has typically comprised of several sand and gravel quarries, farming land/nurseries and landfill sites.</p> <p>Present day and historical uses of the surrounding area have a number of potential contamination sources including quarries with subsequent landfilling and adjacent recycling centre.</p>
	<b>Gas Migration</b>	Due to the presence of influencing landfills, underlying organic material (e.g. peat) and significant Made Ground, the presence of ground gas cannot be ruled out.
<b>Preliminary Human Health &amp; Environmental Risk Assessment</b>	<p>The preliminary human health and environmental risk assessment has revealed that due to the sites and surrounding areas current and past land uses that a <b>Moderate</b> risk is present from contamination present beneath the site, with particular risk specifically associated with the on-site historic made ground and current site operations of off-site quarrying/landfilling and adjacent recycling centre.</p> <p>In addition, a <b>Low</b> risk is present from the migration of radon gas, a <b>Moderate</b> risk from the migration of landfill gas and a <b>Moderate</b> risk from the migration of ground gas.</p>	
<b>Recommendations</b>	Based on a <b>Moderate</b> overall risk rating, in order to confirm the above preliminary human health and environmental risk assessment it is recommended that a Phase 2 Ground Investigation is undertaken comprising site specific soil chemical testing in order to determine the ground conditions, soil chemistry and any environmental liability associated with the site.	



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**Annexes**

Annex A: Groundsure Report

**Drawings**

Drawing 2.1: Site Location Plan

Drawing 4.1: Preliminary Conceptual Site Model

## SECTION 1 Introduction and Proposed Development

Canford Renewable Energy is proposing the construction of a new commercial development within land at Canford Energy Park, Bournemouth, Hampshire. The proposed development will consist of an Energy from Waste (EfW) Incinerator building and associated infrastructure.

Terra Firma (South) have been commissioned as Geotechnical and Geo-Environmental Engineers to carry out a Phase 1 Contaminated Land & Geotechnical Desk Study of the site.

The main objectives of the desk study were to:

- Undertake a walk over survey of the site in order to identify relevant features.
- Investigate the history of the site by referring to old Ordnance Survey Maps.
- Determine the likely geological conditions beneath the site including soil/rock types, groundwater and if Made Ground is likely to be present beneath the site.
- Identify any potential risks associated with past uses of the site.

Based on the desk study information, the following assessment is to be made:

- Identify the likely potential environmental liabilities at the site associated with any soil and groundwater contamination from past site uses.
- Identify if ground gas emissions either from the site or surrounding areas is likely to be present.
- Identify the likely potential geo-technical liabilities at the site associated with any ground stability issues.

The desk study has been undertaken in accordance with the following advisory guidance:

- Model Procedures for the Management of Contaminated Land (CLR11): 2004
- Investigation of Potentially Contaminated Sites – CoP (BS 10175): 2011 + A2:2017
- Guidance for the Safe Development of Housing on Land Affected by Contaminated Land – NHBC (R&D Publication 66): 2008
- Code of Practice for Ground Investigations (BS5930): 2015 + A1:2020

### 1.1 Limitations and Exceptions of Investigation

Canford Renewable Energy has requested that a Phase 1 Contaminated Land & Geotechnical Desk Study be performed in order to determine the past history, likely ground conditions and possibility of contamination and ground gasses beneath the site.

The Phase 1 Contaminated Land & Geotechnical Desk Study was conducted and this report has been prepared for the sole internal reliance of Canford Renewable Energy and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Terra Firma (South). If an unauthorised third party comes into possession of this report, they rely on it at their peril and the authors owe them no duty of care and skill.

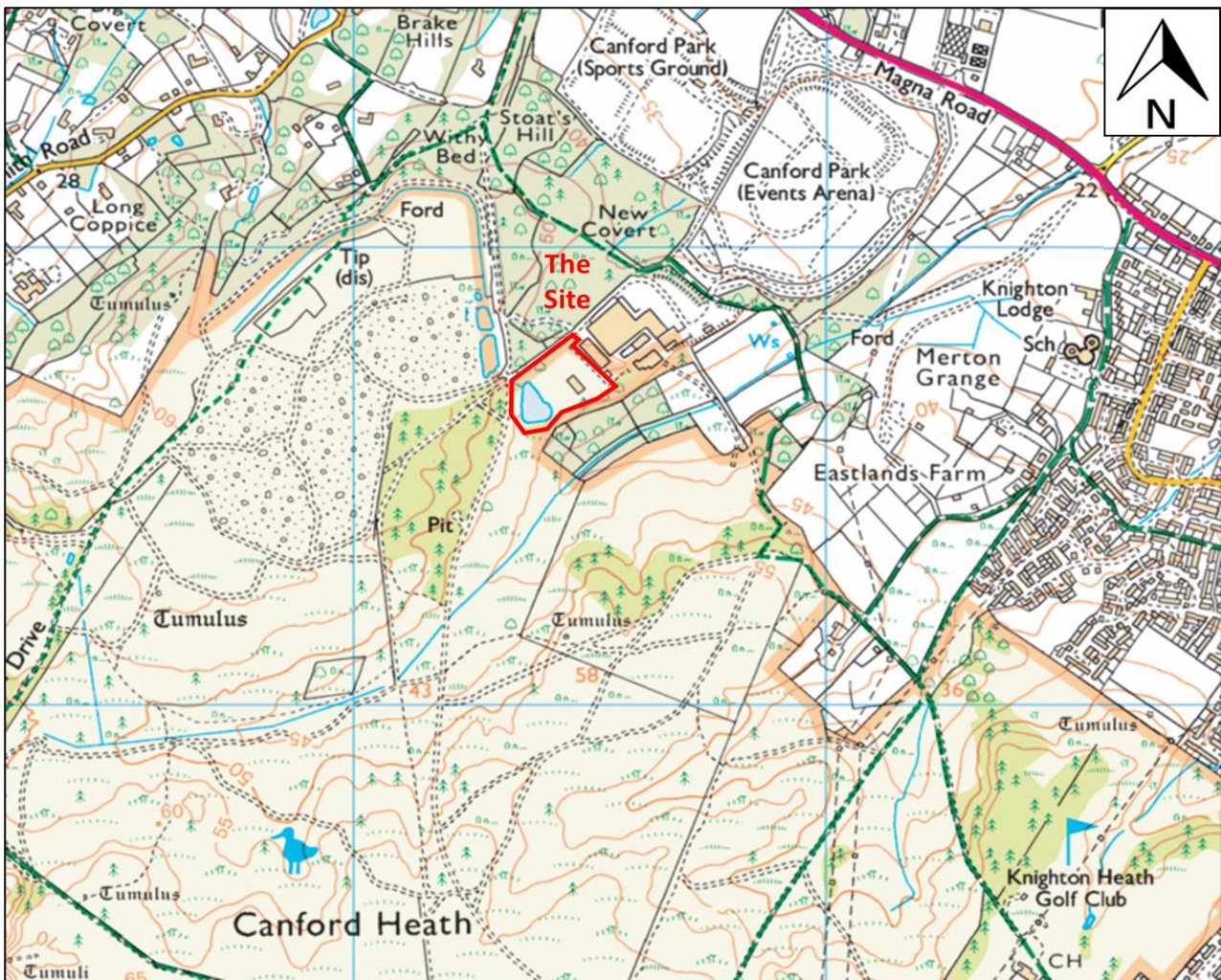
The report represents the findings and opinions of experienced geo-environmental and geo-technical consultants. Terra Firma (South) does not provide legal advice and the advice of lawyers may also be required.

## SECTION 2 Review of Existing Data

### 2.1 Physical Setting

The proposed development is to be located on land within Canford Energy Park, Bournemouth, Hampshire, BH21 3AL.

The site is centred approximately on National Grid Reference (NGR) 403415, 096689. The site location is presented in **Drawing 2.1** below.



**Drawing 2.1:** Site Location Plan

The site is irregular in shape with a plan area of approximately 2.38 hectares and sits between approximately 42-54 m above ordnance datum (aod).

The topography of the site is typically flat. The topography of the surrounding area typically slopes towards the Southeast.

The site boundaries comprise the following:

- North – The northern boundary comprises of woodland and AMS Concrete facility.
- East – The eastern boundary comprises of Wimborne Recycling Centre, AMS Recycled Aggregates and Avon Material Supplies.
- South – The southern boundary comprises of woodland and fields.
- West – The western boundary comprises of woodland, Doset Concrete and ready 2 Mix Ltd.



### 2.1.1 Current Use and Site Conditions

A walk-over survey was undertaken on the 20th of June 2022 by a Terra Firma (South) Engineer. The site is accessed via industrial roads circling Canford Energy Park. At the time of the walk-over survey the site currently comprises industrial recycling companies, operations, and users.

During the walk-over survey the following photographs were taken:

**Table 2.1: Walk-over Survey Photographs**



**Photo 1:** Truck parking area. Northeast orientation



**Photo 2:** Truck parking area. East orientation

## 2.1.2 Current Land Uses

The following potentially current contaminative land uses are within 250m of the site:

<b>Table 2.2: Potentially Contaminative Land Uses (Current)</b>			
<b>Land Use</b>	<b>Activity</b>	<b>Distance from Site (m)</b>	<b>Direction</b>
Public Recycling Facility	Recycling Centres	66	E
Chimney	Chimneys	70	NE
Electricity Sub Station	Electrical Features	79	NE
New Earth Solutions	Recycling, Reclamation and Disposal	80	NE
Commercial Recycling	Waste Storage, Processing and Disposal	80	NE
Hopper	Hoppers and Silos	141	NE
Works	Unspecified Works Or Factories	169	NE
Workings (Dis)	Unspecified Quarries Or Mines	214	SW

There are no Petrol & Fuel Sites located within 250m of the site.

There are no National Grid High Voltage Underground Electricity Transmission Cables or High-Pressure Gas Transmission Pipelines within 250m of the site.

## 2.2 Historical Setting

The history of the site has been traced using historic maps from a GroundSure MapInsight Report and from historical land use database information obtained from a GroundSure Enviroinsight Report.

The reports are presented in **Annex A**, with key years and information being discussed below:

<b>Table 2.3: Site History</b>			
<b>Map Edition</b>	<b>Scale</b>	<b>Key Features On-site</b>	<b>Key Features Off-site (&lt;250m)</b>
1887	1:10,560	The site is comprised of woodland and marshland.	To the North of the site there is woodland, Old Gravel Pits and a reservoir. To the Northeast a Gravel Pit, to the east is Frogmoor Cottage and fields. To the South and West are fields and woodland areas.
1889	1:2,500	No change from previous edition.	On the Northern and Western boundary of the site there is a trackway.
1896	1:10,560	Map Incomplete.	Map Incomplete.
1899	1:10,560	Map Incomplete.	Map Incomplete.
1900	1:10,560	No change from previous edition.	To the East of the site one of the fields has become a nursery.
1901	1:2,500	No change from previous edition.	No change from previous edition.
1908	1:10,560	Map Incomplete.	Map Incomplete.
1926	1:10,560	No change from previous edition.	To the East of the site there are two wells near Frogmoor Cottage.
1928	1:2,500	No change from previous edition.	No change from previous edition.
1934	1:10,560	No change from previous edition.	No change from previous edition.
1934	1:2,500	No change from previous edition.	No change from previous edition.
1938	1:10,560	Map Incomplete.	Map Incomplete.
1940	1:10,560	No change from previous edition.	No change from previous edition.

1954	1:2,500	No change from previous edition.	The trackway to the west has been developed into a road.
1963	1:10,560	The site appears to be more heathland than woodland.	To the North of the site there is a point where water issues from the ground. To the South a few fields have been developed into woodland. In the west the previous woodland has been removed to make space for heathland.
1974	1:10,000	No change from previous edition.	To the Northwest of the site a Sand and Gravel Pit has been developed.
1982	1:10,000	No change from previous edition.	The Sand and Gravel pit has expanded and now borders the Northwest corner of the site.
1988	1:10,000	No change from previous edition.	The Sand and Gravel pit has expanded further South.
1989	1:2,500	Most of the site is taken up by a lake.	No change from previous edition.
1993	1:2,500	No change from previous edition.	The site is surrounded by scrubland, heathland and non-coniferous trees, with a refuse tip to the Northwest and a Gravel pit to the Southwest.
2001	1:10,000	No change from previous edition.	The Northern boundary of the site now has a road running across it. To the Northwest of the site there is a Landfill site in the old Sand and Gravel Pit.
2003	1:1,250	No change from previous edition.	Building development to the Northeast of the site, buildings are unidentifiable as commercial or residential.
2010	1:10,000	The lake on site appears much smaller and has split into several different lakes.	The buildings to the Northwest are now identified as "works".
2021	1:10,000	The works to the Northeast of the site have developed to the southwest with a building now appearing on site, there is now only one smaller lake in the western half of the site.	The road network around the site has advanced and several lakes now appear to the northwest of the site.

The following specific historic contaminative land uses are within 250m of the site:

**Table 2.4: Potentially Contaminative Land Uses (Historic)**

Land Use	Date	Distance from Site (m)	Direction
Cuttings	1934 - 1940	On Site	-
Unspecified Disused Pit	1982	4	NE
Sand and Gravel Pit	1982	6	W
Sand and Gravel Pit	1988	10	NW
Nursery	1900	33	SE
Cuttings	1934 - 1940	47	NW
Sand and Gravel Pit	1973	58	W
Cuttings	1940	129	NW
Cuttings	1934	132	NW
Cuttings	1973	161	NW
Sand Pit	1963 - 1973	213	SW
Old Gravel Pit	1963	243	NW
Gravel Pit	1887	249	NE

There are no historical tanks within 250m of the site.

There are no historical energy features within 250m of the site.

There are no historical petrol and fuel sites within 250m of the site.

There are no historical garage and motor vehicle repair sites within 250m of the site.

### 2.2.1 Preliminary UXO Risk Assessment

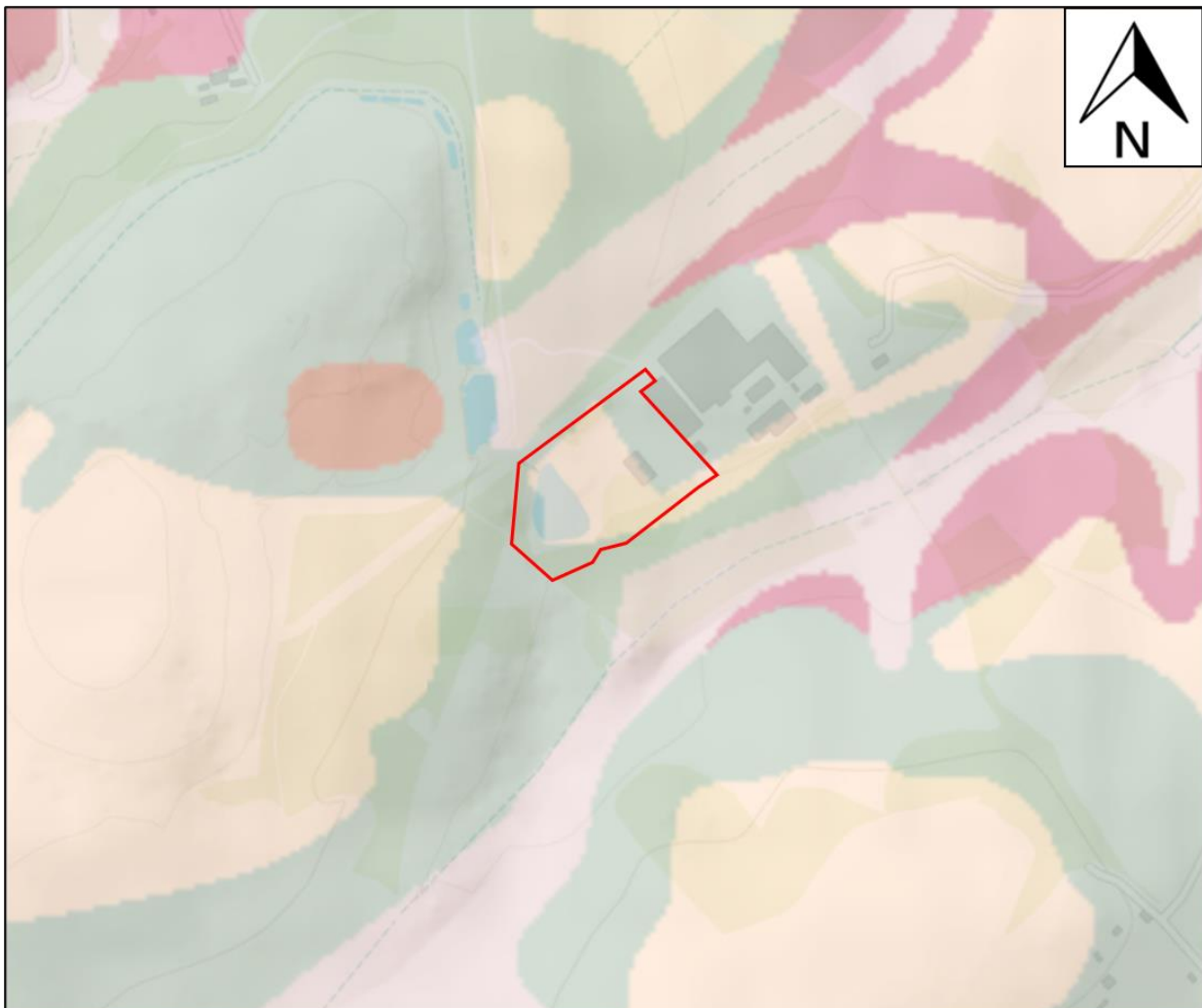
There are no historical military sites within 250m of the site.

Based on the historical setting of the site and UXB Risk Maps, little or no military activity has been recorded within the area. Therefore, the risk from Unexploded Ordnance (UXO) is considered to be low.

## 2.3 Geological Setting

### 2.3.1 Geology

The 1:50,000-scale Geological Map of the area shows the site to be underlain by the Poole Formation of Palaeogene Age. The BGS describes Poole Formation as four stacked depositional sequences, each based by an erosion surface and comprising a lower sand unit and an upper clay unit. Sand units: These often have a basal pebble lag. They are medium- to coarse-grained, partly trough and planar cross-bedded, often with water-escape structures, and some thin and lenticular clays.





Superficial deposits in the form of River Terrace Deposits - 10 are shown to overlie the bedrock geology of the area. These deposits typically comprise of sand and gravel, locally with lenses of silt, clay or peat.

Due to the nature and history of the site the presence of significant Made Ground is expected.

The British Geological Survey (BGS) online database has been consulted. No boreholes are located close enough to the site to give pertinent information.

### **2.3.2 Aggressive Ground Conditions**

#### Natural Ground

In natural ground, sulphates most commonly occur in the form of hydrated calcium sulphate (gypsum). The likelihood of sulphates being present in natural ground depends on the geological strata, weathering and groundwater flow. With reference to Figure C2 of BRE SD1: 2005 'Concrete in aggressive ground', the geological strata most likely to have substantial sulphate concentrations are ancient sedimentary clays, including Mercia Mudstone, Lower Lias Clay, Kimmeridge Clay, Oxford Clay, Wealden Clays, Gault Clay and London Clay.

The Geological Formation beneath the site comprises the Poole Formation, therefore combined with the inspection of any exposures, the presence of sulphates is unlikely.

#### Brownfield

Fill materials found on site, or brought in during construction, may contain substantial quantities of sulphates. In addition, colliery spoil, slag, clinker and demolition waste often contain variable amounts of common sulphates.

Due to the nature and history of the site the presence of significant Made Ground is expected, therefore the presence of sulphates is cannot be ruled out.

### **2.3.3 Radon**

Radon is a naturally occurring radioactive gas which is produced by the radioactive decay of radium, which in turn is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks. Radon released from rocks and soils is quickly diluted in the atmosphere. However, radon that enters enclosed spaces such as buildings can reach high concentrations and pose a hazard to human health. The Government has adopted an Action Level for radon in homes of 200 Becquerel's per cubic metre (Bq/m<sup>3</sup>). Where the radon levels exceed the Action Level, remedial measures are required to reduce the concentration.

The property is in a Radon Affected Area as defined by the Health Protection Agency (HPA), as between less than 1% of properties are above the Action Level.

BR211 by the Building Research Establishment (BRE) indicates that new buildings and extensions within the site's boundaries require No Radon Protection measures under the current Building Regulations.

### **2.3.4 Karstic Features**

All chalk formations are susceptible to the formation of karstic or solution features.

However, chalk is not expected at the site and no instances of such features have been recorded in the near vicinity and so it is concluded that the risk is low.

## 2.3.5 Mining

### Coal Mining

There are no coal mining areas within 75m of the site.

### Non-Coal Mining

The following non-coal mining information is supplied by the BGS:

Sand and gravel: 39m/NE – Surface mineral working

In addition, localised historic quarries Sand and gravel are noted within the surrounding area.

### Brine Affected Areas

There are no brine affected areas within 75m of the site.

In summary, the risk from underground and/or surface mining activity is likely to be moderate.

## 2.3.6 Ground Stability Hazards

Based upon BGS GeoSure data the risk from various ground stability hazards has been assessed below:

Table 2.5: Ground Stability Hazards	
Potential Hazard	Maximum Hazard Rating
Shrink-Swell	<b>Very Low Risk</b> – Ground conditions predominantly low plasticity.
Landslides	<b>Very Low Risk</b> – Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
Soluble Rocks	<b>Negligible Risk</b> – Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.
Compressible Ground	<b>Moderate Risk</b> – Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
Collapsible Rocks	<b>Very Low Risk</b> – Deposits with potential to collapse when loaded and saturated are unlikely to be present.
Running Sand	<b>Very Low Risk</b> – Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

## 2.4 Environmental Setting

A GroundSure EnviroInsight Report has been obtained for the site and is presented in **Annex A**, with key information being discussed below:

### 2.4.1 Hydrology and Flooding

As mentioned in Section 2.1, the topography of the site is typically flat. However, the inferred direction of surface and groundwater flow is likely to be to the Southeast following the natural topography of the wider area.

These waters will probably be collected by the nearest surface water feature, indicated as the Small inland river, located approximately 104 m to the SE of the site.

Environment Agency records show the site to lie within a Flood Zone 1 for nearby surface water bodies.

Environment Agency records show that the site lies in a Zone 1 Floodplain. A Zone 1 Floodplain is land assessed as having less than a 0.1 per cent (1 in 1000) chance of flooding occurring each year. There are no flood defences, areas benefiting from flood defences or flood storage areas within 250m of the site.

The site is considered to have low to groundwater flooding based on the underlying geological conditions.

## 2.4.2 Hydrogeology

The Aquifer Designation Map for the area shows the underlying Superficial Deposits and Bedrock Geology beneath the site to comprise of a Secondary Aquifer.

Secondary Aquifers include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage. Secondary aquifers are subdivided into three types and beneath the site the aquifer is classed as a 'Secondary A'. These aquifers consist of permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

2No. abstraction licences are located within 250m of the site:

1. (Ground Water - Fresh), (396m, NE), (Spray Irrigation – Direct and Process Water), – Status: (Active)
2. (Ground Water - Fresh), (403m, SW), (Mineral Washing), – Status: (Active)

Source Protection Zones (SPZs) have been defined for a number of groundwater sources such as wells, boreholes and springs which are used for public drinking water supply. These zones show the risk of contamination from any activities that might cause pollution in the area, the closer the activity, the greater the risk. SPZs are typically defined as three main zones (inner, outer and total catchment).

The site does not lie within 1km of a Source Protection Zone (SPZ) or a zone of special interest resulting in no restrictions by the EA on activities that may pollute water supplies.

The following information on groundwater vulnerability and soil leaching potential is present within 250m of the site:

1. Classification: High Leaching Potential, On Site.

## 2.4.3 Environmental Permits, Incidents and Registers

There is 1No. industrial site holding environmental permits and/or authorisations within 250m of the site:

1. Part A2: Combustion & Incineration, 110m, NE.

There is 1No. discharge consent located within 250m of the site:

1. (Trade Discharge – Site Drainage): (117m, SE) – Status: (Modified)

There are no records of COMAH and NIHHS sites within 250m of the site.

There are no Environment Agency recorded List 1 or 2 pollution incidents within 250m of the site.

There are no sites determined as Contaminated Land under Part IIA EPA within 250m of the site.

#### 2.4.4 Licensed Waste and Landfill Sites

There are 4No. active or recently closed licensed waste sites within 250m of the site:

1. Household, Commercial & Industrial Waste Landfill, 84m, NE: Issue Date – (29/05/1992), Status – Modified (08/03/2012)
2. Physical Treatment Facility, 119m, NE: Issue Date – (17/05/2012), Status – Modified (17/06/2016)
3. Composting Facility, 159m, NE: Issue Date – (01/05/2003), Status – Issued
4. Material Recycling Treatment Facility, Composting Facility, Special Waste Transfer Station and Biological Treatment Facility, 159m, NE: Issue Date – (01/03/2004), Status – Modified (09/10/2015)

There are no waste exemption licenses within 250m of the site

#### 2.4.5 Sensitive Land Use

There are 3No. designated environmentally sensitive sites within 250m of the site:

1. SSSI - Canford Heath, On Site
2. SAC - Dorset Heaths, On Site
3. SPA - Dorset Heathlands, On Site

#### 2.4.6 Anticipated Soil Chemistry

The BGS has been commissioned by Defra to provide guidance on what are 'normal' levels of contaminant concentrations in English soils in support of the revision of the Part 2A Contaminated Land Statutory Guidance.

Anticipated soil concentrations for a number of common contaminants have been published. Concentrations relevant to the site location have been detailed below:

<b>Table 2.6: Anticipated Soil Chemistry</b>			
<b>Contaminant</b>	<b>Anticipated Soil Concentration (mg/kg)</b>	<b>Soil Guideline Value (mg/kg)</b>	
		<b>Commercial</b>	<b>Source</b>
Arsenic	15	640	C4SL
Cadmium	1.8	410	C4SL
Chromium	60-90	8600	S4UL
Nickel	15-30	980	S4UL
Lead	100	2330	C4SL

**Notes:**

- C4SL –Category 4 Screening Levels
- S4UL – Suitable 4 Use Levels

All of the given determinants have anticipated concentrations on the site that are below the recognised levels for the relevant commercial scenario.



### SECTION 3 Preliminary Geotechnical Risk Assessment

A preliminary geotechnical risk assessment is presented below, based upon desk study information and existing site data.

Table 3.1: Preliminary Geotechnical Risk Assessment					
Geotechnical Aspect	Ground Conditions	Hazard	Potential Impact	Preliminary Risk Assessment	
Underground Voids	Mining, Natural Cavities, Other Voids	Collapse, Subsidence and Ground Instability	Surface deformation & Structural Damage	<b>Slowdown of construction, design changes, project delays, time/cost implications</b>	<b>Low Risk</b> – Based on BGS GeoSure Soluble & Collapsible Rocks Hazard Rating and above Mining and Karst Assessment
Slopes & Earthworks	Steep Slopes, Embankment/Cutting Stability	Slope Failure and Ground Instability	Site Stability, Surface Deformation & Structural Damage		<b>Low Risk</b> – Based on BGS GeoSure Landslides and Running Sand Hazard Rating and topography
Foundations & Sub-structures	Soft/loose and compressible soils, Shrinkable Soils, Aggressive Ground	Unsuitable Strata, Settlement, Attack on Buried Structures and Ground Instability	Excess Settlement, Structural Damage		<b>Moderate Risk</b> – Based on BGS GeoSure Compressible Ground and Shrink-Swell Hazard Rating and geology / aggressive ground conditions
Floor Slabs & Road Pavements	Soft/loose and Compressible, Frost Susceptible Soils	Unsuitable Strata, Low CBR, Frost Heave	Structural Damage, Alternative Design		<b>Moderate Risk</b> – Based on BGS GeoSure Compressible Ground and Shrink-Swell Hazard Rating, geology and presence of trees
Drainage & Flooding	High/Low Permeability, High Groundwater, Watercourse	Ineffective Attenuation/ Soakaways, Buoyancy, Effects Levels, Flooding	Settlement, Flooding		<b>Low Risk</b> – Based on geology, geomorphology, hydrology, flooding and hydrogeology
Temporary Works & Construction Issues	Soft/loose or Unstable Strata, Hard Strata or Obstruction, High Groundwater	Excavation Instability, Hard Digging, Water Inundation	Collapse, Increased Costs		<b>Moderate Risk</b> – Based on BGS Running Sand GeoSure Hazard Rating and geology
OVERALL RISK RATING					
The preliminary geotechnical risk assessment has revealed that a <b>Moderate</b> risk is present from geotechnical aspects, with particular risk specifically associated with the likely presence of made ground and poor shallow ground conditions.					

In order to confirm the above preliminary geotechnical risk assessment, it is recommended that a Phase 2 Intrusive Site Investigation is undertaken in order to determine the ground conditions and confirm relevant geotechnical aspects.

## SECTION 4 Preliminary Contamination Risk Assessment

The following sub-sections detail a Preliminary Risk Assessment (PRA), based upon the desk study information.

### 4.1 General

#### Environmental Protection Act

The contaminated land regime is set out in Part IIA of the Environmental Protection Act (EPA) 1990 and was introduced on the 1<sup>st</sup> April 2000 in England and 1<sup>st</sup> July 2001 in Wales. A similar regime was introduced in Scotland on 14<sup>th</sup> July 2000.

Part IIA was introduced to achieve two aims:

- (1) The identification of contaminated land
- (2) The remediation of contaminated land that poses an unacceptable risk to human health and/or the environment

Under Part IIA the statutory definition of 'contaminated land' is:

"any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason of substances in, on, or under the land, that:

- (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) Pollution of controlled waters is being, or is likely to be, caused."

#### Planning Policy Framework

The contaminated land regime in Part IIA was introduced specifically to address the historical legacy of land contamination and is not directed to assessing the risks in relation to a future use of the land that would require a specific grant of planning permission. Therefore, Part IIA would not normally apply where land is being managed within the normal cycle of land redevelopment and regeneration. In this case, planning and development control will continue to be the primary means of control.

Land contamination, or the possibility of it, is a material consideration for the purposes of town and country planning (Town and Country Planning Act 1991). Current planning control on contaminated land is set out in The National Planning Policy Framework (NPPF).

The NPPF sets out the Governments planning policies for England and how these should be applied and states that:

- The natural environment should be conserved and enhanced by remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land,
- In preparing to meet development needs, the aim should be to minimise pollution and other adverse effects on the local and natural environment. Plans should allocate land with the least environmental or amenity value, and
- Planning policies and decisions should encourage the effective use of land by re-using land that has previously been developed (Brownfield land), provided that it is not of high environmental value.

Where a new development is taking place, it will be the responsibility of the developer to carry out the necessary remediation. In most cases, the enforcement of any remediation requirements would be through planning conditions and building control, rather than through a remediation notice issued under Part IIA.

This report has been written with the precautionary regime of planning and The NPPF in mind.

### The Concept of Risk

For land to be classified as 'Contaminated Land' there must be a '**pollutant linkage**'. A pollutant linkage requires three essential elements:

- (1) A **CONTAMINANT** (hazard) – a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of **controlled waters**
- (2) A **RECEPTOR** (target) – something which could be adversely affected by a contaminant
- (3) A **PATHWAY** – a route or means which either allows the contaminant to cause significant harm to that receptor, or that there is a significant possibility of such harm being caused to the receptor, or that pollution of controlled waters is being or likely to be caused.

The term 'Risk' is widely used in different contexts and situations, but a prescriptive definition is given by the Guidelines for Environmental Risk Assessment and Management (DEFRA *et al*, 2000):

*'Risk is a combination of the probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence'*.

A 'Hazard' is defined as '*a property or situation that in particular circumstances could lead to harm*'.

The classification of consequences and probability and determining the risk category are defined in the following sections.

#### 4.1.1 Classification of Consequence

Table 4.1: Classification of Consequence	
Classification	Definition
Severe	<ul style="list-style-type: none"> <li>• Short term (acute) risk to human health likely to result in significant harm</li> <li>• Short term risk to controlled waters</li> <li>• Catastrophic damage to buildings/structures</li> <li>• Short term risk to an ecosystem or organism within the particular ecosystem</li> </ul>
Medium	<ul style="list-style-type: none"> <li>• Chronic damage to human health (long term risk)</li> <li>• Pollution of a sensitive water resource</li> <li>• A significant change in an ecosystem or organism within the ecosystem</li> </ul>
Mild	<ul style="list-style-type: none"> <li>• Pollution of non-sensitive water resources</li> <li>• Significant damage to buildings/structures</li> </ul>
Minor	<ul style="list-style-type: none"> <li>• Harm (not necessarily significant) which may result in financial loss</li> <li>• Non-permanent health effects to humans (easily prevented by PPE for example)</li> <li>• Easily repairable effects of structural (building) damage</li> </ul>

#### 4.1.2 Classification of Probability

Table 4.2: Classification of Probability	
Classification	Definition
High	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage and an event appears very likely to occur in the short term and is inevitable in the long term.</li> <li>• Evidence of harm to the receptor</li> </ul>

<b>Medium</b>	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage which means that it is probable that an event will occur</li> <li>• The event is not inevitable but possible in short term and likely in the long term</li> </ul>
<b>Low</b>	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage and circumstances are possible under which an event could occur</li> <li>• It is not certain that an event will occur in the long term, and it is less likely to occur in the short term</li> </ul>
<b>Negligible</b>	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage but circumstances are such that it is improbable that an event would occur even in the long term</li> </ul>

### 4.1.3 Risk Assessment Matrix

By comparing the consequences of a risk and the probability of the risk of a pollution linkage, the likely risk category can be determined as shown in Table 3.3 below.

<b>Table 4.3: Risk Assessment Matrix</b>					
Increasing acceptability ↘		Consequence			
		Severe	Medium	Mild	Minor
Probability	High	High	High	Medium / Low	Near zero
	Medium	High	Medium	Low	Near zero
	Low	High / Medium	Medium / Low	Low	Near zero
	Negligible	High / Medium / Low	Medium / Low	Low	Near zero

#### High Risk

There is a high probability that severe harm could risk a receptor, or there is evidence that a receptor is being harmed. The risk if realised is likely to result in liability, and urgent investigation or remediation will be required.

#### Medium Risk

It is probable that harm will arise to a receptor. However, it is relatively unlikely that such harm would be severe, or if harm does occur the harm is likely to be relatively mild. Investigation will be required to determine the liability, and some remedial works may be required in the long term.

#### Low Risk

It is possible that harm may arise to a receptor, but it is likely that the harm would be mild.

#### Near Zero Risk

There is a very low risk of harm to the receptor. In the event of harm being realised the harm is not likely to be severe.

## 4.2 Preliminary Site Conceptual Model

The preceding sections enable a preliminary conceptual model of the site to be drawn up, to illustrate the likely ground conditions beneath the site together with a preliminary assessment of the nature of any underlying aquifers and groundwater movement. The preliminary site conceptual model is used as a model for the design and implementation of the site investigation, whereby areas of potential contamination can be targeted as well as investigating the site as a whole.

### 4.2.1 Potential Sources of Contamination

The potential contamination beneath the site, whether in the matrix of soil or groundwater will be related to the sites past use.



### **On-site Sources**

Historically, the site has typically comprised of woodland, marshland, heathland before becoming an overspill lake for the adjacent sand and gravel pit to the northwest sometime around 1989.

Currently, the site comprises a vehicle / storage area for the adjacent industrial recycling companies' operations.

Present day and historical uses of the site have a number of potential contamination sources including Made Ground from the backfilled lake and current site operations, which has been discussed in more detail below:

#### **Potential Made Ground**

The presence of a significant thickness of Made Ground of unknown composition associated with site development and in filling cannot be ruled out as a potential source of contamination. Typical contaminants associated with the possible made ground on-site include:

- Heavy Metals,
- Poly-Aromatic Hydrocarbons (PAH's)
- Petroleum Hydrocarbons (PH's)
- Asbestos

#### **Vehicle / Storage Area**

Due to the presence of vehicle / storage, the possibility of localised contamination associated with hydrocarbon spillages/leaks from vehicle engines cannot be ruled out in these areas. Typical contaminants associated with possible poor husbandry of vehicles parked at the site include:

- Petroleum Hydrocarbons (PH's)
- Benzene, Toluene, Ethyl-benzene and Xylene (BTEX)
- Methyl Tert-Butyl Ether (MTBE)

### **Off-site Sources**

Historically, the surrounding area (<250m) has typically comprised of several sand and gravel quarries, farming land/nurseries and landfill sites.

Present day and historical uses of the surrounding area have a number of potential contamination sources including quarries with subsequent landfilling and current recycling centres, which have been discussed in more detail below:

#### **Recycling Centres**

The operation and handling of hazardous materials is permitted at premises adjacent the site. Although regulated and permitted, the mismanagement and poor husbandry of these materials cannot be ignored and have the potential to affect the site. The composition of typical contaminants accepted, but not limited to, in the recycling centre include:

- Heavy Metals
- Poly-Aromatic Hydrocarbons (PAH's)
- Petroleum Hydrocarbons (PH's) including fuels and hydraulic oils
- (Semi) Volatile Organic Compounds (VOC's)
- Asbestos

## Landfill

Landfill sites were originally small informal and uncontrolled tips used by local authorities or industry for the disposal of waste to land. Prior to the 1970s the majority of sites had little or no engineering control of wastes beyond that provided by the local topography and geology. Changes in legislation and increased awareness of the potential for causing harm to the environment has led to a widespread improvement in operating practices and environmental protection at landfill sites. Landfill gas (dominantly methane and carbon dioxide) is generally present throughout a landfill area and may vent to the atmosphere or migrate into ground around the landfill. Landfill Leachates are generally generated in all sites and may continue to be produced for many years after the closure of the site. Capping materials may also become contaminated, especially on older sites where caps are shallow and poorly engineered. The composition of contaminants common in landfill sites changes as the waste ages, but includes:

- Heavy Metals
- Inorganics (Cyanide, Sulphate, Sulphide, Sulphur and pH)
- Polycyclic aromatic hydrocarbons (PAHs)
- Petroleum Hydrocarbons (PH's)
- BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)
- Asbestos

## Landfill/Ground Gas

Due to the presence of influencing landfills, underlying organic material (e.g. peat) and significant Made Ground, the presence of ground gas cannot be ruled out.

### **4.2.2 Potential Pollution Linkages**

The potential pollution linkages relating to human health and the wider environment are as follows:

#### Human Health

1. Ingestion of soil and soil dust
2. Contaminant permeation of drinking water pipes and ingestion of contaminated water supply
3. Inhalation of soil particles, dust, asbestos and vapours, both indoors and outdoors
4. Dermal contact (Inc. eye uptake) with soil, soil dust and water
5. Inhalation of landfill / ground gas, accumulation and risk of explosion

#### Aquatic Environment

1. Surface water runoff
2. Migration of surface water into underlying soils and groundwater
3. Leaching of contaminants via groundwater transport into the wider aquatic environment – surface waters and groundwater

#### Ecology

1. Phytotoxic substances may inhibit healthy plant growth
2. Poisonous, carcinogenic, genotoxic substances may affect wildlife
3. Surface runoff can introduce contamination / allow contamination to migrate

#### Buildings

1. Chemical attack of buried structures (concrete, steel etc.)

### 4.2.3 Potential Receptors

The potential receptors of any contamination and ground gas are considered to be:

1. Site end users – Workers and Visitors
2. Construction workers
3. Neighbouring site users and passers-by
4. The aquatic environment - surface waters, perched and deep groundwater
5. Building Materials - sulphates in the ground can damage building materials
6. Flora and Fauna upon the site is potentially at risk from Phytotoxic contaminants

### 4.3 Preliminary Human Health and Environmental Risk Assessment

A Preliminary Human Health and Environmental Risk Assessment aims to make initial assumptions about potential risks posed towards the human health and to the environment during all stages of the development.

Where it is assumed that a potential pollution pathway exists, there is a potential source, a potential receptor and a likely pathway which links the two. This qualitative risk assessment can then be refined into a quantitative risk assessment once any site investigation and laboratory soil chemical testing/environmental assessment has been undertaken.

Table 4.4: Preliminary Human Health and Environmental Risk Assessment			
Potential Source	Potential Pathway	Potential Receptor	Preliminary Risk Assessment
<b>Human Health</b>			
Subsurface Soil	Ingestion of soil and soil dust  Ingestion of potable water. Permeation of drinking water pipes  Inhalation of soil dust and vapours  Dermal contact with soils	Site end users - Workers and Visitors	On-Site Sources  Off-site Sources
			<b>Moderate Risk</b> - Due to the presence of identified on-site contaminative sources ( <i>Historic Made Ground &amp; Current Site Operations</i> ).
			<b>Moderate Risk</b> - Due to the presence of identified off-site contaminative sources within influencing distance of the site ( <i>Quarrying/Landfilling &amp; Recycling Centre</i> ).
		Construction workers	<b>Moderate Risk</b> – Based on above contaminative sources details.  COSHH assessment, good level of PPE/hygiene, dust suppression measures and measures to avoid runoff and accidental spillages
		Passers-by and neighbouring site users	<b>Low Risk</b> – Based on above contaminative sources details.

Radon gas	Inhalation. Migration and accumulation of gas indoors.	Site end users - Workers and Visitors	<b>Low Risk</b> – The BGS indicates that the site lies within an area where No radon protection measures may be required.
Landfill Gas	Migration into indoor spaces, inhalation and explosive build up	Site end users – Workers and Visitors	<b>Moderate Risk</b> – historic or active landfills are present with 250m of the site.
Ground gases	Migration into indoor spaces, inhalation and explosive build up	Site end users – Workers and Visitors	<b>Moderate Risk</b> – Due to the presence of landfills, underlying organic material (e.g. peat) and significant Made Ground.
<b>Aquatic Environment</b>			
Subsurface Soil	Surface runoff and leaching into groundwater	Groundwater beneath the site	<b>Low to Moderate Risk</b> – Based on above contaminative sources details and presence of a Secondary Aquifer underlying aquifer.
Subsurface Soil	Groundwater transport	Small inland river	<b>Low Risk</b> – Based on above contaminative sources details and the distance to the nearest surface water body (104m).
Subsurface Soil	Groundwater transport	Secondary Aquifer	<b>Low to Moderate Risk</b> – Based on above contaminative sources details and presence of a Secondary Aquifer underlying aquifer.
<b>Ecology</b>			
Subsurface Soil	Uptake of phytotoxic contaminants and Surface Runoff	Vegetation	<b>Low Risk</b> – Based on above contaminative sources details and site setting.
Subsurface Soil	Ingestion of poisonous substances and Surface Runoff	Wildlife	<b>Low Risk</b> – Based on above contaminative sources details and site setting.
<b>Building Materials</b>			
Subsurface Soil	Aggressive Ground Conditions	Building Materials	<b>Low Risk</b> – Correct class of concrete to be chosen based on appropriate testing
<b>OVERALL RISK RATING</b>			
<p>The preliminary human health and environmental risk assessment has revealed that due to the sites and surrounding areas current and past land uses that a <b>Moderate</b> risk is present from contamination present beneath the site, with particular risk specifically associated with the on-site historic made ground and current site operations of off-site quarrying/landfilling and adjacent recycling centre.</p> <p>In addition, a <b>Low</b> risk is present from the migration of radon gas, a <b>Moderate</b> risk from the migration of landfill gas and a <b>Moderate</b> risk from the migration of ground gas.</p>			





## SECTION 5 Recommended Phase 2 Ground Investigation

As the development proposals and associated infrastructure have yet to be confirmed the recommended Phase 2 Ground Investigation at this stage should be considered indicative only. Once the development proposals have been confirmed the recommended Phase 2 Ground Investigation can then be firmed up.

### 5.1 Geo-Environmental

Based upon the desk study, potential environmental liabilities were identified on-site associated with the on-site historic made ground and current site operations of off-site quarrying/landfilling and adjacent recycling centre and Gas Migration.

Therefore, significant levels of contamination could not be ruled out due to the sites historical past use within these areas.

If following confirmation of the development design proposals any development or associated infrastructure are located within or adjacent the above areas then it is therefore recommended that a Phase 2 geo-environmental site investigation be undertaken.

The main objectives of the Phase 2 geo-environmental assessment programme are to:

- Provide a summary of the environmental conditions at the site, together with any necessary remediation works to render the site fit for its intended use.

It is recommended that the Phase 2 site investigations comprise trial pitting and/or boreholes at specific locations targeting the above potential environmental liabilities and potential gas migration.

Standpipes should be installed to a sufficient depth and an appropriate gas monitoring regime implemented:

1. Post-investigation gas monitoring undertaken in line with current best practise guidance such as BS8476: 2013.

Soil samples, should be obtained for chemical testing to include the following contaminant suites based on the previous identified industrial processes on-site or within influencing distance of the site:

1. **Heavy Metals** (As, Cd, Cr, Cu, Pb, Ni, Se, Zn and Mercury)
2. **Inorganics** (Cyanide, Sulphate, Sulphide, Sulphur and pH)
3. **Organics**
  - a. Poly-Aromatic Hydrocarbons (PAH's)
  - b. Petroleum Hydrocarbons (PH's)
  - c. Benzene, Toluene, Ethyl-benzene and Xylene (BTEX)
  - d. Methyl Tert-Butyl Ether (MTBE)
  - e. Phenols
  - f. (Semi) Volatile Organic Compounds (VOC's)
4. **Other** (Asbestos Screening/Quantification)

### 5.2 Geo-technical

Based upon the desk study, potential geotechnical liabilities were identified. Therefore, it is recommended that a Phase 2 Geotechnical Ground Investigation comprising trial pits and/or boreholes is undertaken.

The main objectives of the geo-technical site investigation are to:

- Determine the type, strength and bearing characteristics of the shallow superficial and underlying bedrock geology.
- Provide recommendations for a suitable and economic foundation/floor slab solution for the proposed development.
- Provide recommendations with regard to any other geo-technical aspects pertaining to the development, such as soakaway and/or highway design.

A full utility search should be undertaken before any site works commence.

**Annex A: Groundsure Report**



CANFORD RECYCLING CENTRE, ARENA WAY, POOLE, BH21 3BW

**Order Details**

**Date:** 01/12/2021  
**Your ref:** EX-21-001  
**Our Ref:** GS-8371843  
**Client:** TerraFirma (South)

**Site Details**

**Location:** 403436 096713  
**Area:** 2.38 ha  
**Authority:** [Bournemouth, Christchurch and Poole Council](#)



**Summary of findings**

p. 2

**Aerial image**

p. 8

**OS MasterMap site plan**

p.13

[groundsure.com/insightuserguide](https://groundsure.com/insightuserguide)

## Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>14</b>	<b>1.1</b>	<b><u>Historical industrial land uses</u></b>	1	5	7	19	-
16	1.2	Historical tanks	0	0	0	0	-
16	1.3	Historical energy features	0	0	0	0	-
16	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	0	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<b>18</b>	<b>2.1</b>	<b><u>Historical industrial land uses</u></b>	2	6	8	25	-
20	2.2	Historical tanks	0	0	0	0	-
20	2.3	Historical energy features	0	0	0	0	-
21	2.4	Historical petrol stations	0	0	0	0	-
21	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
<b>22</b>	<b>3.1</b>	<b><u>Active or recent landfill</u></b>	0	0	1	2	-
<b>23</b>	<b>3.2</b>	<b><u>Historical landfill (BGS records)</u></b>	0	0	1	0	-
23	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<b>24</b>	<b>3.4</b>	<b><u>Historical landfill (EA/NRW records)</u></b>	0	1	2	1	-
<b>25</b>	<b>3.5</b>	<b><u>Historical waste sites</u></b>	0	0	2	0	-
<b>25</b>	<b>3.6</b>	<b><u>Licensed waste sites</u></b>	0	0	16	9	-
33	3.7	Waste exemptions	0	0	0	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>34</b>	<b>4.1</b>	<b><u>Recent industrial land uses</u></b>	0	0	8	-	-
35	4.2	Current or recent petrol stations	0	0	0	0	-
35	4.3	Electricity cables	0	0	0	0	-
35	4.4	Gas pipelines	0	0	0	0	-
36	4.5	Sites determined as Contaminated Land	0	0	0	0	-



36	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
36	4.7	Regulated explosive sites	0	0	0	0	-
36	4.8	Hazardous substance storage/usage	0	0	0	0	-
36	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
<b>37</b>	<b>4.10</b>	<b><u>Licensed industrial activities (Part A(1))</u></b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>-</b>
<b>38</b>	<b>4.11</b>	<b><u>Licensed pollutant release (Part A(2)/B)</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
38	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>38</b>	<b>4.13</b>	<b><u>Licensed Discharges to controlled waters</u></b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>-</b>
39	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
39	4.15	Pollutant release to public sewer	0	0	0	0	-
39	4.16	List 1 Dangerous Substances	0	0	0	0	-
39	4.17	List 2 Dangerous Substances	0	0	0	0	-
<b>39</b>	<b>4.18</b>	<b><u>Pollution Incidents (EA/NRW)</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>-</b>
<b>40</b>	<b>4.19</b>	<b><u>Pollution inventory substances</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
<b>41</b>	<b>4.20</b>	<b><u>Pollution inventory waste transfers</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
42	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
<b>43</b>	<b>5.1</b>	<b><u>Superficial aquifer</u></b>	Identified (within 500m)				
<b>45</b>	<b>5.2</b>	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
<b>47</b>	<b>5.3</b>	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
48	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
<b>48</b>	<b>5.5</b>	<b><u>Groundwater vulnerability- local information</u></b>	Identified (within 0m)				
<b>50</b>	<b>5.6</b>	<b><u>Groundwater abstractions</u></b>	0	0	0	6	1
<b>52</b>	<b>5.7</b>	<b><u>Surface water abstractions</u></b>	0	0	0	0	2
53	5.8	Potable abstractions	0	0	0	0	0
53	5.9	Source Protection Zones	0	0	0	0	-
53	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
<b>54</b>	<b>6.1</b>	<b><u>Water Network (OS MasterMap)</u></b>	3	1	8	-	-



<b>56</b>	<b>6.2</b>	<b><u>Surface water features</u></b>	1	1	7	-	-
<b>56</b>	<b>6.3</b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
<b>56</b>	<b>6.4</b>	<b><u>WFD Surface water bodies</u></b>	0	0	0	-	-
<b>57</b>	<b>6.5</b>	<b><u>WFD Groundwater bodies</u></b>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
58	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
58	7.2	Historical Flood Events	0	0	0	-	-
58	7.3	Flood Defences	0	0	0	-	-
59	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
59	7.5	Flood Storage Areas	0	0	0	-	-
60	7.6	Flood Zone 2	None (within 50m)				
60	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
<b>61</b>	<b>8.1</b>	<b><u>Surface water flooding</u></b>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
<b>63</b>	<b>9.1</b>	<b><u>Groundwater flooding</u></b>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>64</b>	<b>10.1</b>	<b><u>Sites of Special Scientific Interest (SSSI)</u></b>	1	0	0	0	1
<b>65</b>	<b>10.2</b>	<b><u>Conserved wetland sites (Ramsar sites)</u></b>	0	0	0	0	1
<b>66</b>	<b>10.3</b>	<b><u>Special Areas of Conservation (SAC)</u></b>	0	1	0	0	2
<b>67</b>	<b>10.4</b>	<b><u>Special Protection Areas (SPA)</u></b>	0	1	0	0	3
67	10.5	National Nature Reserves (NNR)	0	0	0	0	0
68	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
<b>68</b>	<b>10.7</b>	<b><u>Designated Ancient Woodland</u></b>	0	0	0	0	1
68	10.8	Biosphere Reserves	0	0	0	0	0
68	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
<b>69</b>	<b>10.11</b>	<b><u>Green Belt</u></b>	1	0	0	0	1
69	10.12	Proposed Ramsar sites	0	0	0	0	0





69	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<b>70</b>	<b>10.16</b>	<b><u>Nitrate Vulnerable Zones</u></b>	0	0	0	0	5
<b>71</b>	<b>10.17</b>	<b><u>SSSI Impact Risk Zones</u></b>	4	-	-	-	-
<b>73</b>	<b>10.18</b>	<b><u>SSSI Units</u></b>	1	0	0	3	12
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
81	11.1	World Heritage Sites	0	0	0	-	-
81	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
81	11.3	National Parks	0	0	0	-	-
81	11.4	Listed Buildings	0	0	0	-	-
82	11.5	Conservation Areas	0	0	0	-	-
82	11.6	Scheduled Ancient Monuments	0	0	0	-	-
82	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>83</b>	<b>12.1</b>	<b><u>Agricultural Land Classification</u></b>	Grade 5 (within 250m)				
<b>84</b>	<b>12.2</b>	<b><u>Open Access Land</u></b>	1	0	0	-	-
<b>84</b>	<b>12.3</b>	<b><u>Tree Felling Licences</u></b>	0	0	7	-	-
85	12.4	Environmental Stewardship Schemes	0	0	0	-	-
<b>85</b>	<b>12.5</b>	<b><u>Countryside Stewardship Schemes</u></b>	1	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>86</b>	<b>13.1</b>	<b><u>Priority Habitat Inventory</u></b>	1	9	19	-	-
<b>88</b>	<b>13.2</b>	<b><u>Habitat Networks</u></b>	2	0	4	-	-
<b>88</b>	<b>13.3</b>	<b><u>Open Mosaic Habitat</u></b>	0	1	0	-	-
89	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>90</b>	<b>14.1</b>	<b><u>10k Availability</u></b>	Identified (within 500m)				
<b>91</b>	<b>14.2</b>	<b><u>Artificial and made ground (10k)</u></b>	1	0	2	0	-
<b>92</b>	<b>14.3</b>	<b><u>Superficial geology (10k)</u></b>	2	2	4	6	-



93	14.4	Landslip (10k)	0	0	0	0	-
<b>94</b>	<b>14.5</b>	<b><u>Bedrock geology (10k)</u></b>	1	1	1	1	-
95	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>96</b>	<b>15.1</b>	<b><u>50k Availability</u></b>	Identified (within 500m)				
<b>97</b>	<b>15.2</b>	<b><u>Artificial and made ground (50k)</u></b>	1	0	2	0	-
<b>98</b>	<b>15.3</b>	<b><u>Artificial ground permeability (50k)</u></b>	1	0	-	-	-
<b>99</b>	<b>15.4</b>	<b><u>Superficial geology (50k)</u></b>	1	1	3	6	-
<b>100</b>	<b>15.5</b>	<b><u>Superficial permeability (50k)</u></b>	Identified (within 50m)				
100	15.6	Landslip (50k)	0	0	0	0	-
101	15.7	Landslip permeability (50k)	None (within 50m)				
<b>102</b>	<b>15.8</b>	<b><u>Bedrock geology (50k)</u></b>	1	1	1	1	-
<b>103</b>	<b>15.9</b>	<b><u>Bedrock permeability (50k)</u></b>	Identified (within 50m)				
103	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
104	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
<b>105</b>	<b>17.1</b>	<b><u>Shrink swell clays</u></b>	Moderate (within 50m)				
<b>106</b>	<b>17.2</b>	<b><u>Running sands</u></b>	Very low (within 50m)				
<b>107</b>	<b>17.3</b>	<b><u>Compressible deposits</u></b>	Moderate (within 50m)				
<b>109</b>	<b>17.4</b>	<b><u>Collapsible deposits</u></b>	Very low (within 50m)				
<b>110</b>	<b>17.5</b>	<b><u>Landslides</u></b>	Very low (within 50m)				
<b>111</b>	<b>17.6</b>	<b><u>Ground dissolution of soluble rocks</u></b>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
113	18.1	Natural cavities	0	0	0	0	-
<b>114</b>	<b>18.2</b>	<b><u>BritPits</u></b>	0	0	3	6	-
<b>115</b>	<b>18.3</b>	<b><u>Surface ground workings</u></b>	2	5	8	-	-
116	18.4	Underground workings	0	0	0	0	0
<b>116</b>	<b>18.5</b>	<b><u>Historical Mineral Planning Areas</u></b>	0	1	4	2	-

117	18.6	Non-coal mining	0	0	0	0	0
117	18.7	Mining cavities	0	0	0	0	0
118	18.8	JPB mining areas	None (within 0m)				
118	18.9	Coal mining	None (within 0m)				
118	18.10	Brine areas	None (within 0m)				
118	18.11	Gypsum areas	None (within 0m)				
118	18.12	Tin mining	None (within 0m)				
119	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<b>120</b>	<b>19.1</b>	<b>Radon</b>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<b>121</b>	<b>20.1</b>	<b>BGS Estimated Background Soil Chemistry</b>	5	4	-	-	-
121	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
122	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
123	21.1	Underground railways (London)	0	0	0	-	-
123	21.2	Underground railways (Non-London)	0	0	0	-	-
123	21.3	Railway tunnels	0	0	0	-	-
123	21.4	Historical railway and tunnel features	0	0	0	-	-
123	21.5	Royal Mail tunnels	0	0	0	-	-
124	21.6	Historical railways	0	0	0	-	-
124	21.7	Railways	0	0	0	-	-
124	21.8	Crossrail 1	0	0	0	0	-
124	21.9	Crossrail 2	0	0	0	0	-
124	21.10	HS2	0	0	0	0	-



## Recent aerial photograph



Capture Date: 01/06/2020

Site Area: 2.38ha





## Recent site history - 2017 aerial photograph



Capture Date: 19/06/2017

Site Area: 2.38ha



## Recent site history - 2012 aerial photograph



Capture Date: 22/05/2012

Site Area: 2.38ha





## Recent site history - 2005 aerial photograph



Capture Date: 23/06/2005

Site Area: 2.38ha





## Recent site history - 2000 aerial photograph



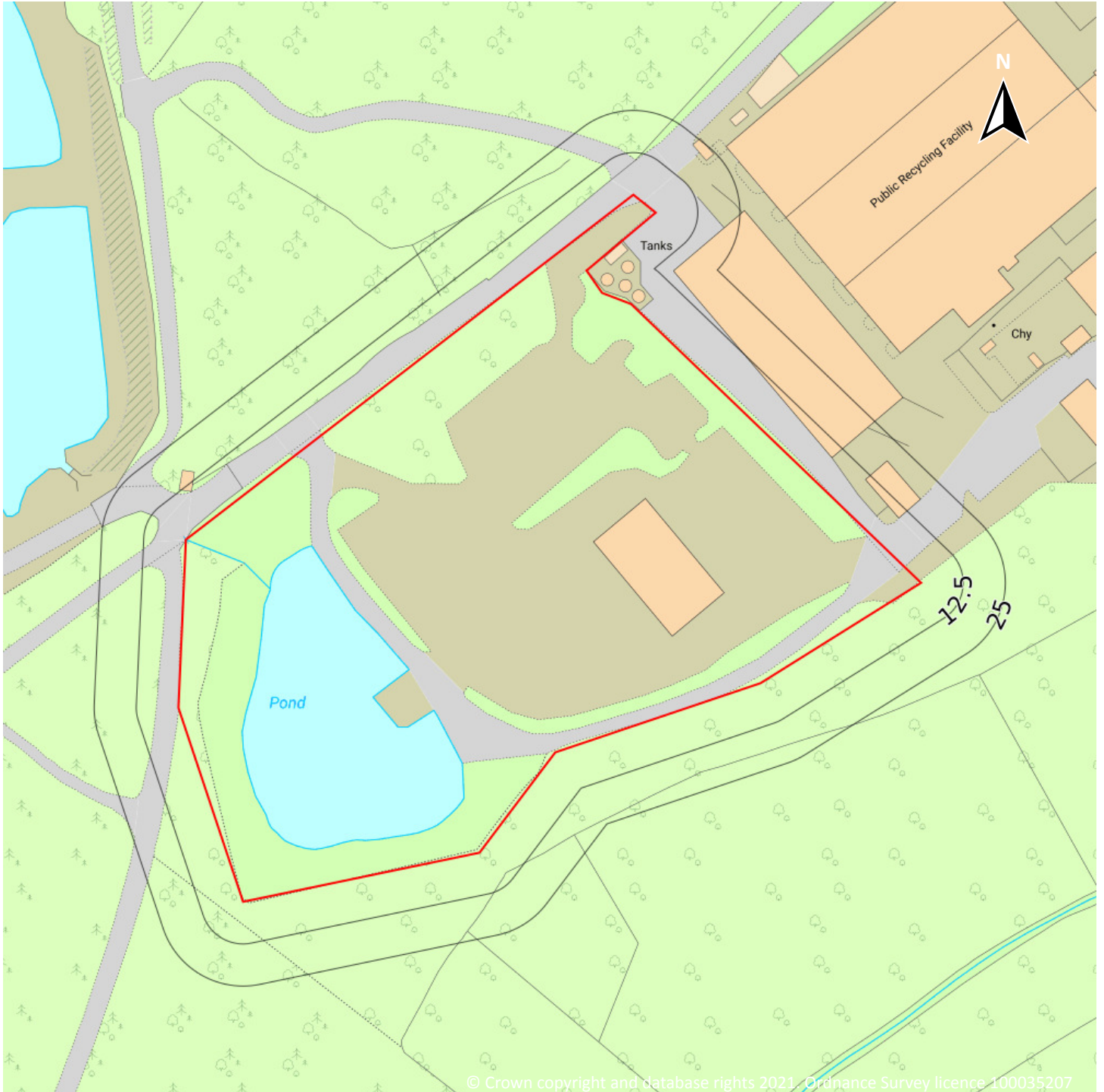
Capture Date: 17/06/2000

Site Area: 2.38ha





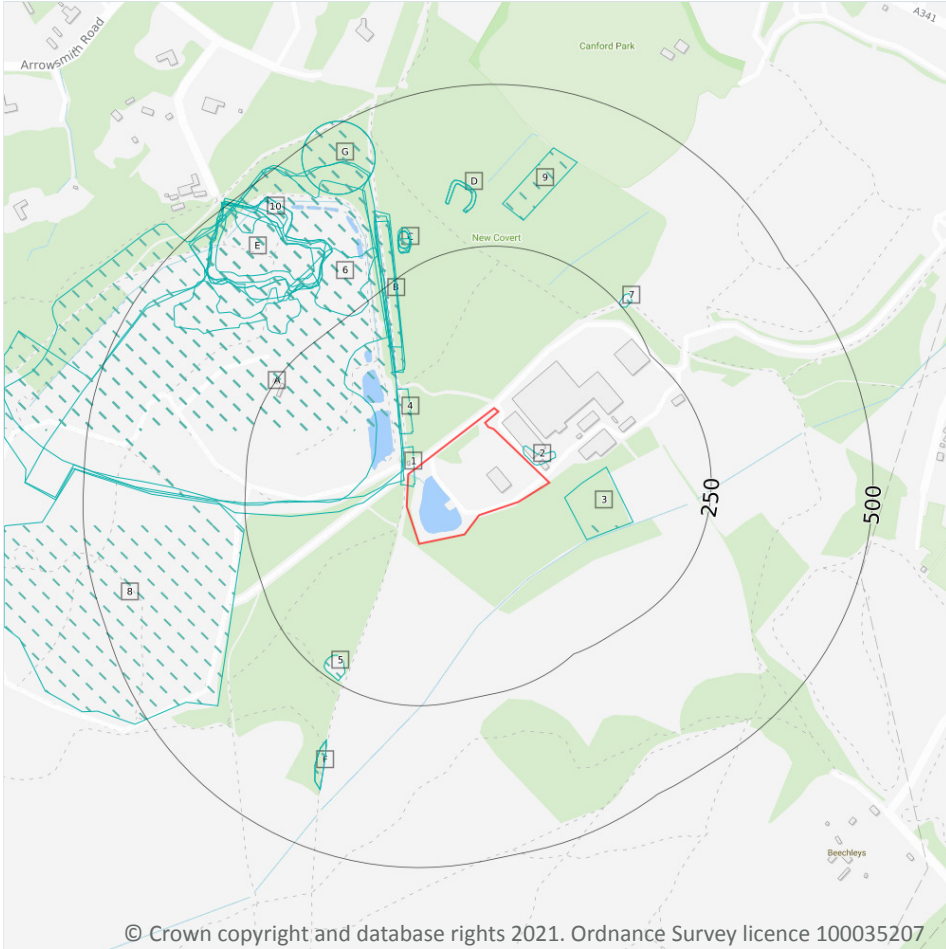
## OS MasterMap site plan



Site Area: 2.38ha



# 1 Past land use



**Site Outline**

**Search buffers in metres (m)**

**Historical industrial land uses**

## 1.1 Historical industrial land uses

**Records within 500m** **32**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
1	On site	Cuttings	1934 - 1940	1979461



ID	Location	Land use	Dates present	Group ID
2	4m NE	Unspecified Disused Pit	1982	1972626
A	6m W	Sand and Gravel Pit	1982	1977528
A	10m NW	Sand and Gravel Pit	1988	1976531
3	33m SE	Nursery	1900	1970865
4	47m NW	Cuttings	1934 - 1940	1975359
A	58m W	Sand and Gravel Pit	1973	1977201
B	129m NW	Cuttings	1940	1982315
B	132m NW	Cuttings	1934	1983503
B	161m NW	Cuttings	1973	1976446
5	213m SW	Sand Pit	1963 - 1973	1983172
6	243m NW	Old Gravel Pit	1963	1969720
7	249m NE	Gravel Pit	1887	1972786
8	254m W	Sand and Gravel Pit	1988	1972233
C	275m NW	Unspecified Pit	1940	1976601
C	275m NW	Unspecified Pit	1900 - 1926	1980052
C	277m NW	Old Gravel Pit	1887	1969722
C	280m NW	Unspecified Pit	1934	1981208
C	282m NW	Unspecified Pit	1926	1975341
9	294m N	Nursery	1900	1970866
D	305m N	Unspecified Ground Workings	1982	1974304
D	305m N	Unspecified Ground Workings	1963 - 1973	1974493
E	316m NW	Gravel Pit	1887 - 1900	1975057
E	316m NW	Unspecified Pit	1926	1977309
E	318m NW	Unspecified Pit	1940	1980614
E	321m NW	Gravel Pits	1934	1971385
E	323m NW	Unspecified Ground Workings	1926	1978699
F	336m SW	Unspecified Pit	1926	1974211
F	336m SW	Unspecified Pit	1940	1984332



ID	Location	Land use	Dates present	Group ID
G	399m NW	Unspecified Bed	1963 - 1973	1977444
G	399m NW	Unspecified Bed	1982 - 1988	1984382
10	420m NW	Unspecified Ground Workings	1963	1984441

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.2 Historical tanks

**Records within 500m**

**0**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.3 Historical energy features

**Records within 500m**

**0**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*





## 1.5 Historical garages

Records within 500m

0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

Records within 500m

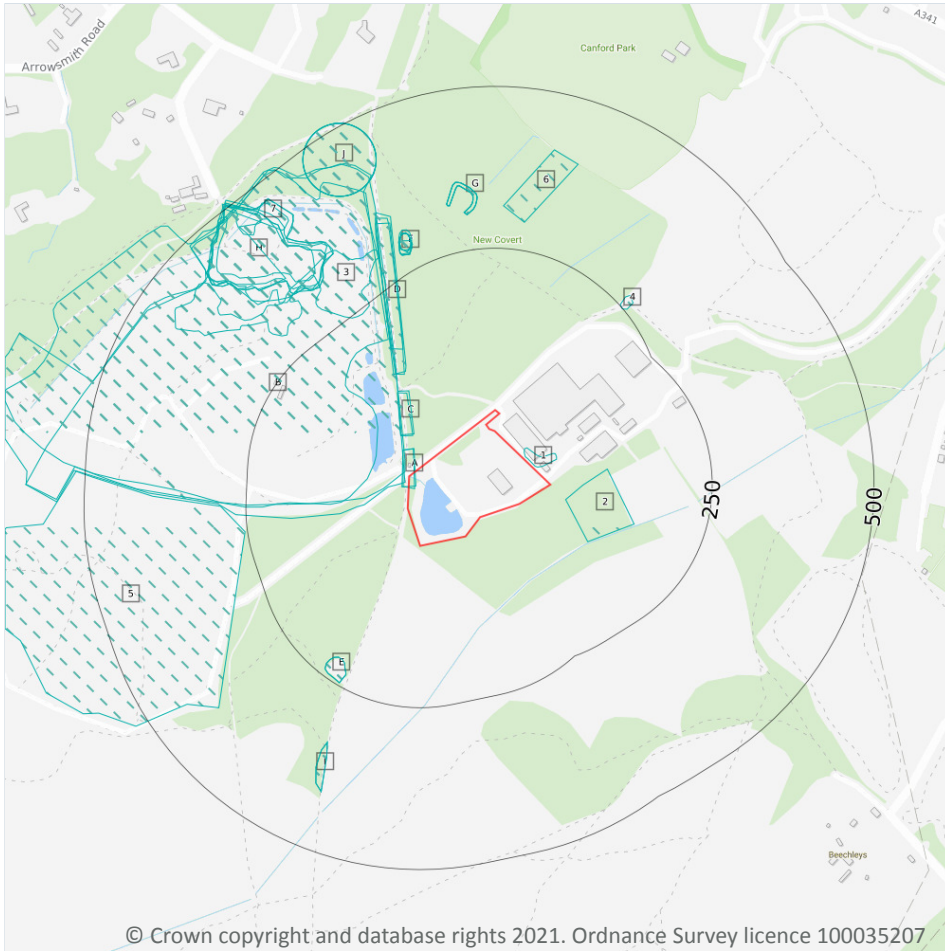
0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*



## 2 Past land use - un-grouped



**— Site Outline**

**Search buffers in metres (m)**

**Historical industrial land uses**

### 2.1 Historical industrial land uses

**Records within 500m**

**41**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 18**

ID	Location	Land Use	Date	Group ID
A	On site	Cuttings	1940	1979461
A	On site	Cuttings	1934	1979461
1	4m NE	Unspecified Disused Pit	1982	1972626

ID	Location	Land Use	Date	Group ID
B	6m W	Sand and Gravel Pit	1982	1977528
B	10m NW	Sand and Gravel Pit	1988	1976531
2	33m SE	Nursery	1900	1970865
C	47m NW	Cuttings	1940	1975359
C	47m NW	Cuttings	1934	1975359
B	58m W	Sand and Gravel Pit	1973	1977201
D	129m NW	Cuttings	1940	1982315
D	132m NW	Cuttings	1934	1983503
D	161m NW	Cuttings	1973	1976446
E	213m SW	Sand Pit	1973	1983172
E	213m SW	Sand Pit	1963	1983172
3	243m NW	Old Gravel Pit	1963	1969720
4	249m NE	Gravel Pit	1887	1972786
5	254m W	Sand and Gravel Pit	1988	1972233
F	275m NW	Unspecified Pit	1940	1976601
F	275m NW	Unspecified Pit	1926	1980052
F	275m NW	Unspecified Pit	1900	1980052
F	277m NW	Old Gravel Pit	1887	1969722
F	280m NW	Unspecified Pit	1934	1981208
F	280m NW	Unspecified Pit	1934	1981208
F	282m NW	Unspecified Pit	1926	1975341
6	294m N	Nursery	1900	1970866
G	305m N	Unspecified Ground Workings	1982	1974304
G	305m N	Unspecified Ground Workings	1973	1974493
G	305m N	Unspecified Ground Workings	1963	1974493
H	316m NW	Unspecified Pit	1926	1977309
H	316m NW	Gravel Pit	1900	1975057
H	318m NW	Unspecified Pit	1940	1980614



ID	Location	Land Use	Date	Group ID
H	321m NW	Gravel Pits	1934	1971385
H	323m NW	Unspecified Ground Workings	1926	1978699
I	336m SW	Unspecified Pit	1940	1984332
I	336m SW	Unspecified Pit	1926	1974211
H	359m NW	Gravel Pit	1887	1975057
J	399m NW	Unspecified Bed	1988	1984382
J	399m NW	Unspecified Bed	1982	1984382
J	399m NW	Unspecified Bed	1973	1977444
J	399m NW	Unspecified Bed	1963	1977444
7	420m NW	Unspecified Ground Workings	1963	1984441

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.2 Historical tanks

**Records within 500m**

**0**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.3 Historical energy features

**Records within 500m**

**0**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*





## 2.4 Historical petrol stations

Records within 500m

0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

Records within 500m

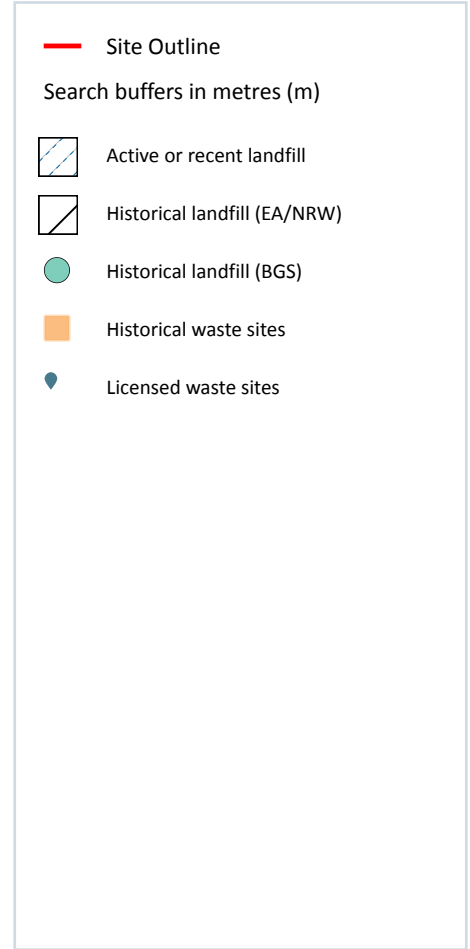
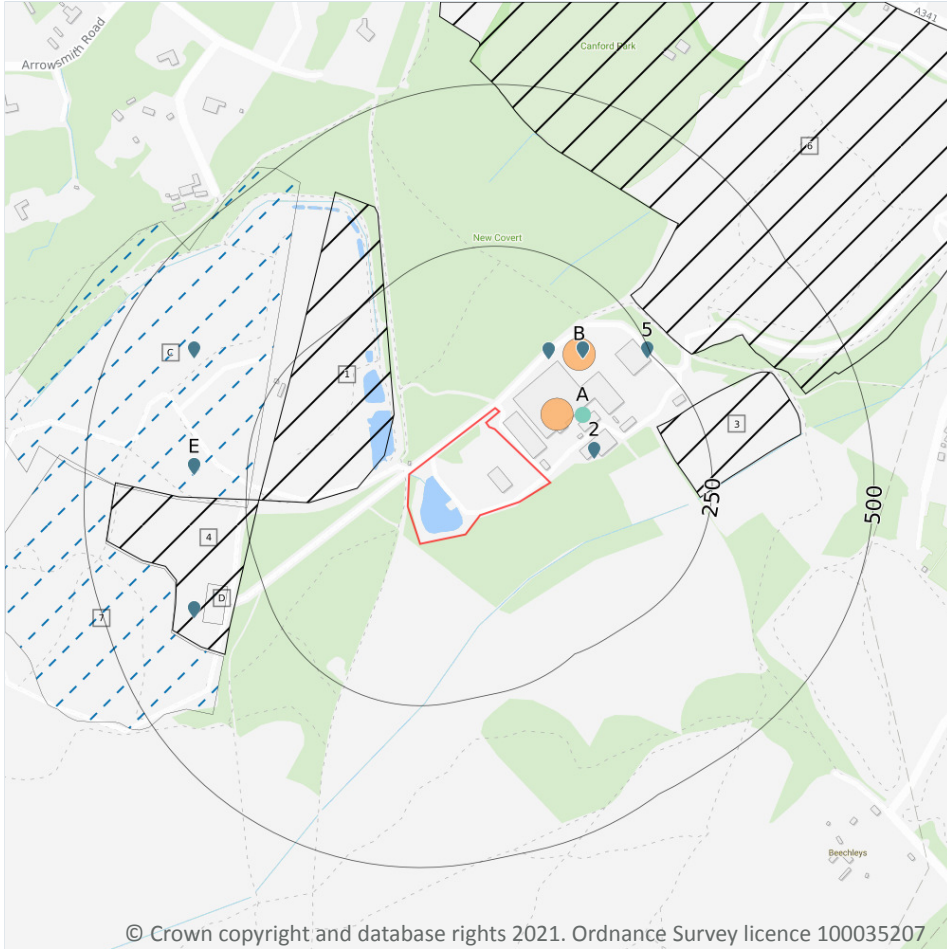
0

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*



### 3 Waste and landfill



#### 3.1 Active or recent landfill

**Records within 500m** **3**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Details
C	238m W	<p>Operator: W H White Limited                      Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ</p> <p>WML Number: 23629                      EPR Reference: WHI098                      Landfill type: A04: Household, Commercial &amp; Industrial Waste Landfill                      Status: Modified                      IPPC Reference: -                      EPR Number: EA/EPR/BP3293FX/V006</p>

ID	Location	Details	
D	302m W	Operator: W H White Limited Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ	WML Number: 23530 EPR Reference: WHI097 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Modified IPPC Reference: - EPR Number: EA/EPR/VP3897HP/V003
7	349m SW	Operator: W H White Limited Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ	WML Number: 23598 EPR Reference: WHI064 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Modified IPPC Reference: - EPR Number: EA/EPR/JP3497HM/V008

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.2 Historical landfill (BGS records)

<b>Records within 500m</b>	<b>1</b>
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Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Address	BGS Number	Risk	Waste Type
A	109m NE	Corporation Tip, Nagna Road, Canford, Poole	1188	No risk to aquifer	N/A

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

<b>Records within 500m</b>	<b>0</b>
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Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

#### Records within 500m

**4**

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Details		
1	48m NW	Site Address: Whites Pit, North Canford Heath, Wimborne, Dorset Licence Holder Address: 1 Wood Lane, Bear Cross, Bournemouth	Waste Licence: Yes Site Reference: R29/634, WDL/175 (M2), WDL/82/68, PU10 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 25/05/1983 Licence Surrender: -	Operator: - Licence Holder: W H White and Company Limited First Recorded 31/12/1950 Last Recorded: -
3	185m NE	Site Address: Corporation Tip, Nagna Road, Canford, Poole, Dorset Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Poole Corporation Licence Holder: - First Recorded 30/06/1970 Last Recorded: -
4	230m W	Site Address: Whites Pit / Arrowsmith Road Pit, Cranford Heath, Poole, Wimborne, Dorset Licence Holder Address: Site Control Centre, Magna Road, Wimborne	Waste Licence: Yes Site Reference: WDL/85/86 (M2), R29/655 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 13/12/1985 Licence Surrender: -	Operator: - Licence Holder: W H White Limited First Recorded 31/12/1950 Last Recorded: -
6	269m NE	Site Address: Moortown Aerodrome Site, Magna Road, Poole, Dorset Licence Holder Address: Civic Centre, Poole, Dorset	Waste Licence: Yes Site Reference: WDL/84/80, R29/654, GDO 183 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 12/09/1984 Licence Surrender: 30/09/1992	Operator: - Licence Holder: Poole Borough Council First Recorded - Last Recorded: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*





### 3.5 Historical waste sites

<b>Records within 500m</b>	<b>2</b>
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Waste site records derived from Local Authority planning records and high detail historical mapping. Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Address	Further Details	Date
A	58m NE	Site Address: New Earth Composting, Facility, Magna Road, Site, Control Centre, WIMBORNE, Dorset, BH21 3AP	Type of Site: Preparation Warehouses & Waste Storage Planning application reference: 06/31392/017/F Description: Scheme comprises retention of 2 storey office block and portacabin and construction of 2 single storey green waste storage and preparation warehouses and installation of water treatment tanks and bio filter bed. An application (ref: 06/31392/017/F) for detailed planning permission was granted by Poole B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	24/10/2006
B	126m NE	Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Type of Site: Waste Materials Recovery Facility Planning application reference: APP/15/00874/Y Description: Scheme comprises construction of commercial and industrial waste materials recovery facility with new weighbridge, office and welfare facilities including SUDS. The associated works include sewer systems, landscaping, infrastructure, enabling and access roads. Data source: Historic Planning Application Data Type: Point	28/10/2015

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*

### 3.6 Licensed waste sites

<b>Records within 500m</b>	<b>25</b>
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Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 22**



ID	Location	Details		
2	84m NE	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V003 Operator: W H White Ltd Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 08/03/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM203 EPR reference: EA/EPR/EB3102FV/S002 Operator: Commercial Recycling (Southern) Limited Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: 23/05/2016 Modified: 17/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM177 EPR reference: EA/EPR/FB3537RS/A001 Operator: Commercial Recycling Ltd Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Issued

ID	Location	Details		
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM203 EPR reference: EA/EPR/EB3102FV/S002 Operator: Commercial Recycling ( Southern ) Limited Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: 23/05/2016 Modified: 17/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Whites Pit - Mechanical & Biological Treatment Plant Site Address: Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: White House, Magna Road, Wimborne, Bournemouth, Dorset, BH21 3AP	Type of Site: Composting Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI106 EPR reference: - Operator: W H White Plc Waste Management licence No: 23707 Annual Tonnage: 12000	Issue Date: 01/05/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	159m NE	Site Name: Canford Recycling Centre Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: FP3394EZ/V002 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 02/06/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: New Earth Solutions ( Canford) Ltd Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Composting Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V002 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 12000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 28/05/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	159m NE	Site Name: Canford M B T Facility Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V003 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 100000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 28/06/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V004 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 100000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 14/12/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: EA/EPR/FP3394EZ/V004 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified





ID	Location	Details		
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM199 EPR reference: EA/EPR/DB3904GC/T001 Operator: Commercial Recycling (southern) Limited Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 11/03/2016 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	159m NE	Site Name: Canford Recycling Centre Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: EA/EPR/FP3394EZ/V002 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 02/06/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM199 EPR reference: EA/EPR/DB3904GC/T001 Operator: Commercial Recycling ( Southern ) Limited Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 11/03/2016 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred

ID	Location	Details		
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V006 Operator: New Earth Solutions ( Canford ) Limited Waste Management licence No: 23707 Annual Tonnage: 125000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 09/10/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V006 Operator: New Earth Solutions ( Canford ) Limited Waste Management licence No: 23707 Annual Tonnage: 125000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 09/10/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
5	246m NE	Site Name: - Site Address: Canford Recycling Centre, Magna Road, Whites Pit, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI099 EPR reference: EA/EPR/LP3393FA/S002 Operator: W H White Plc Waste Management licence No: 23644 Annual Tonnage: 0	Issue Date: 07/10/1994 Effective Date: - Modified: - Surrendered Date: Jul 21 2010 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V003 Operator: W H White Limited Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 12/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: White's Pit Northern Area Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/V006 Operator: W H White Limited Waste Management licence No: 23629 Annual Tonnage: 0	Issue Date: 18/06/1982 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V008 Operator: W H White Limited Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V008 Operator: W H White Limited Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V003 Operator: W H White Limited Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 12/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: White's Pit Northern Area Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/V006 Operator: W H White Limited Waste Management licence No: 23629 Annual Tonnage: 0	Issue Date: 18/06/1982 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified





ID	Location	Details		
D	363m W	Site Name: Whites Pit South Ext Part 1 ( Recycling ) Site Address: Magna Road, ( Recycling Area), Wimborne, Dorset, BH21 3AP Correspondence Address: White House, Magna Road, Wimborne, Dorset, BH21 3AP	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: - Operator: W H White Plc . Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 30/04/1998 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	363m W	Site Name: Whites Pit Landfill Site Site Address: Land/ Premises At, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V002 Operator: W H White Plc Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 30/04/1998 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	383m NW	Site Name: Whites Pit (northern Area) Site Address: Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/A001 Operator: W H White Plc Waste Management licence No: 23629 Annual Tonnage: 75000	Issue Date: 18/06/1982 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.7 Waste exemptions

<b>Records within 500m</b>	<b>0</b>
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- 📍 Part A(1) industrial activities
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

### 4.1 Recent industrial land uses

**Records within 250m** **8**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	Activity	Category
A	66m E	Public Recycling Facility	Dorset, BH21	Recycling Centres	Infrastructure and Facilities
A	70m NE	Chimney	Dorset, BH21	Chimneys	Industrial Features

ID	Location	Company	Address	Activity	Category
A	79m NE	Electricity Sub Station	Dorset, BH21	Electrical Features	Infrastructure and Facilities
A	80m NE	New Earth Solutions	Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Recycling, Reclamation and Disposal	Recycling Services
A	80m NE	Commercial Recycling	Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Waste Storage, Processing and Disposal	Infrastructure and Facilities
2	141m NE	Hopper	Dorset, BH21	Hoppers and Silos	Farming
C	169m NE	Works	Dorset, BH21	Unspecified Works Or Factories	Industrial Features
3	214m SW	Workings (Dis)	Dorset, BH21	Unspecified Quarries Or Mines	Extractive Industries

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m**

**0**

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

**Records within 500m**

**0**

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

**Records within 500m**

**0**

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*



## 4.5 Sites determined as Contaminated Land

Records within 500m	0
---------------------	---

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
---------------------	---

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

Records within 500m	0
---------------------	---

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

Records within 500m	0
---------------------	---

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m	0
---------------------	---

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

*This data is sourced from the Environment Agency and Natural Resources Wales.*





## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

5

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Details	
1	On site	<b>Operator: CANFORD RENEWABLE ENERGY LIMITED</b> <b>Installation Name: CANFORD RENEWABLE ENERGY HYDROGEN PLANT - EPR/RP3206LB</b> <b>Process: INORGANIC CHEMICALS; GASES EG AMMONIA</b> <b>Permit Number: RP3206LB</b> <b>Original Permit Number: RP3206LB</b>	<b>EPR Reference: -</b> <b>Issue Date: 14/05/2021</b> <b>Effective Date: 14/05/2021</b> <b>Last date noted as effective: 01/07/2021</b> <b>Status: EFFECTIVE</b>
A	89m E	Operator: NEW EARTH SOLUTIONS (CANFORD) LIMITED Installation Name: CANFORD MBT FACILITY EPR/FP3393SB Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: FP3908BY Original Permit Number: SP3035AC	EPR Reference: - Issue Date: 18/12/2019 Effective Date: 18/12/2019 Last date noted as effective: 01/07/2021 Status: EFFECTIVE
C	159m NE	Operator: NEW EARTH SOLUTIONS (CANFORD) LIMITED Installation Name: CANFORD MBT FACILITY EPR/SP3035AC Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: SP3035AC Original Permit Number: SP3035AC	EPR Reference: - Issue Date: 09/10/2015 Effective Date: 09/10/2015 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
D	214m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WHITES PIT Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV7184IP Original Permit Number: BV7184IP	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/07/2021 Status: REFUSED
D	214m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV7184 Original Permit Number: BV7184	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS



This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

1

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
A	110m NE	Syngas Products Ltd, Canford Low CEF, Arena Way, Poole, BH21 3BW	Process: Combustion & Incineration Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

#### 4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

#### 4.13 Licensed Discharges to controlled waters

Records within 500m

2

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Address	Details	
B	117m SE	WHITE'S PIT B4 LAGOON, MAGNA ROAD, WIMBORNE, DORSET, ., BH21 3AP	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 400113 Permit Version: 1 Receiving Water: KNIGHTON BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/12/1999 Effective Date: 22/12/1999 Revocation Date: 24/11/2009
B	117m SE	WHITE'S PIT B4 LAGOON, MAGNA ROAD, WIMBORNE, DORSET, ., BH21 3AP	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 400113 Permit Version: 2 Receiving Water: KNIGHTON BROOK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/11/2009 Effective Date: 25/11/2009 Revocation Date: -



*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
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Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.15 Pollutant release to public sewer

Records within 500m	0
---------------------	---

Discharges of Special Category Effluents to the public sewer.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.16 List 1 Dangerous Substances

Records within 500m	0
---------------------	---

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.17 List 2 Dangerous Substances

Records within 500m	0
---------------------	---

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.18 Pollution Incidents (EA/NRW)

Records within 500m	5
---------------------	---

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Details	
A	103m E	Incident Date: 23/07/2018 Incident Identification: 1636143 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
E	393m W	Incident Date: 07/07/2003 Incident Identification: 171498 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	417m W	Incident Date: 07/05/2003 Incident Identification: 156690 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	463m W	Incident Date: 13/05/2003 Incident Identification: 158141 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4	480m NW	Incident Date: 12/05/2003 Incident Identification: 157754 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.19 Pollution inventory substances

**Records within 500m**

**1**

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 34**

ID: A, Location: 89m E, Permit: FP3393SB  
 Operator: New Earth Solutions (Canford) Limited  
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT  
 Address: Canford MBT Facility, Site Control Centre Magna Road Wimborne Dorset BH21 3AP  
 Sector: Biowaste, Sub-sector: Biowaste Treatment  
 Releases:





Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	Below Reporting Threshold

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

## 4.20 Pollution inventory waste transfers

<b>Records within 500m</b>	<b>1</b>
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The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

Features are displayed on the Current industrial land use map on **page 34**

**ID:** A, Location: 89m E, Permit: FP3393SB  
**Operator:** New Earth Solutions (Canford) Limited  
**Activity:** RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT  
**Address:** Canford MBT Facility, Site Control Centre Magna Road Wimborne Dorset BH21 3AP  
**Sector:** Biowaste, Sub-sector: Biowaste Treatment  
**Releases:**

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	3241.16	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	234.6	Absolute Value	20 03 04	septic tank sludge	No
D1	Deposit into or onto land (eg landfill, etc.)	6678.72	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	29.34	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R5	Recycling/reclamation of other inorganic materials	3463.18	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R1	Use principally as a fuel or other means to generate energy	66303.56	Absolute Value	19 12 10	combustible waste (refuse derived fuel)	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2207.12	Absolute Value	20 01 08	biodegradable kitchen and canteen waste	No
R4	Recycling/reclamation of metals and metal compounds	591.96	Absolute Value	19 12 02	ferrous metal	No
R4	Recycling/reclamation of metals and metal compounds	68.32	Absolute Value	19 12 03	non-ferrous metal	No
R10	Land treatment resulting in benefit to agriculture or ecological improvement	7977.1	Absolute Value	19 05 99	wastes not otherwise specified	No

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

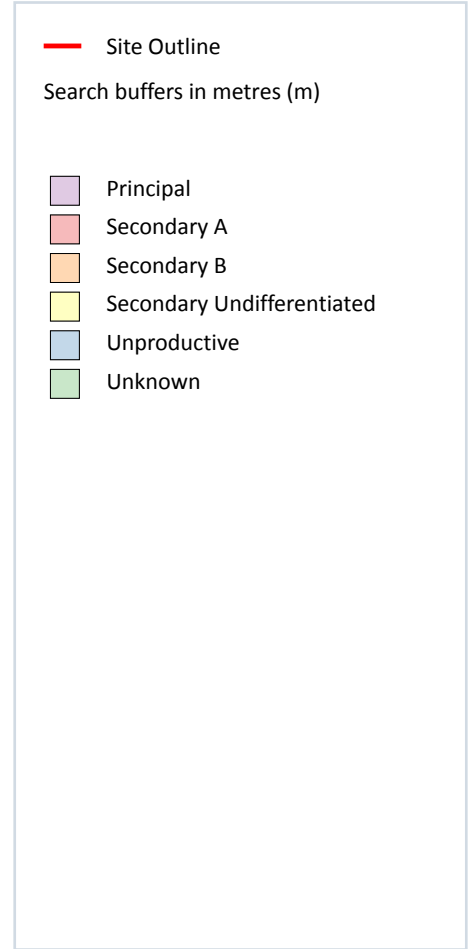
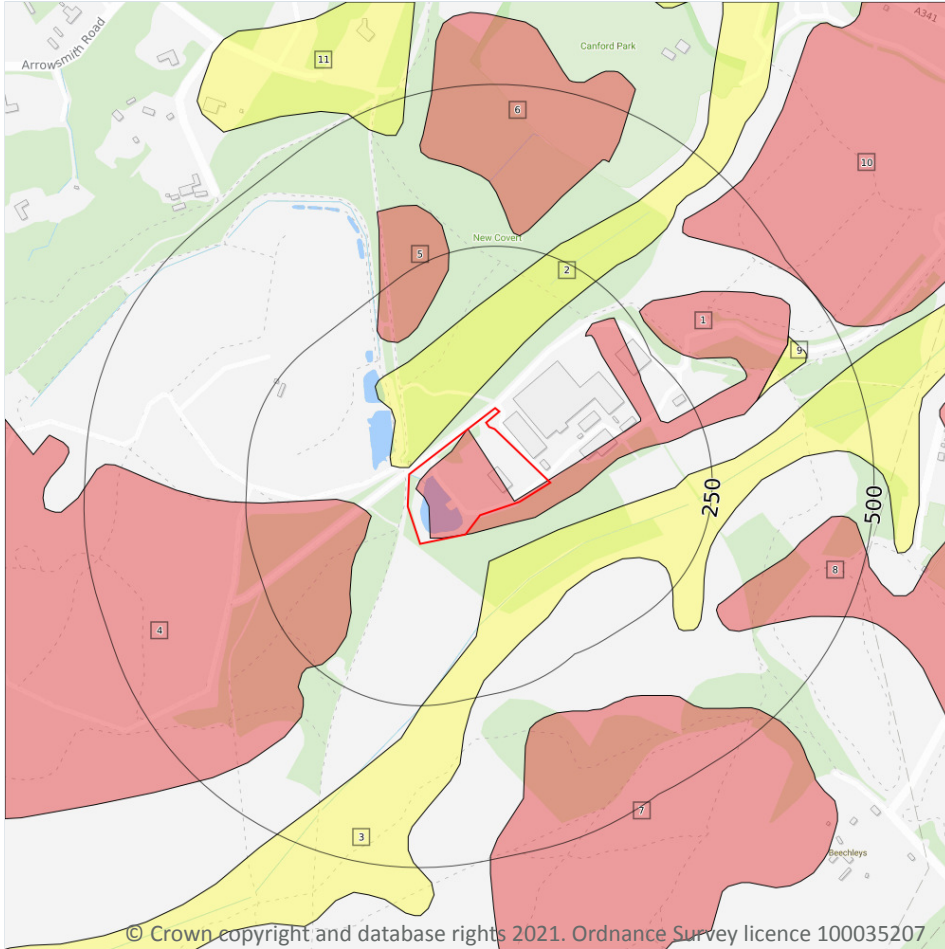
## 4.21 Pollution inventory radioactive waste

**Records within 500m** **0**

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 5 Hydrogeology - Superficial aquifer



### 5.1 Superficial aquifer

Records within 500m

11

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 43**

ID	Location	Designation	Description
1	On site	Secondary A	<b>Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers</b>
2	9m NW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

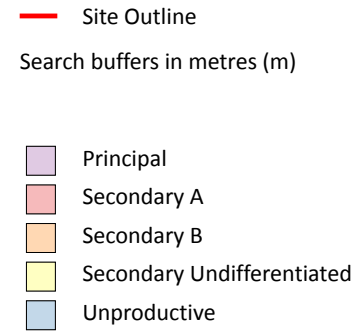
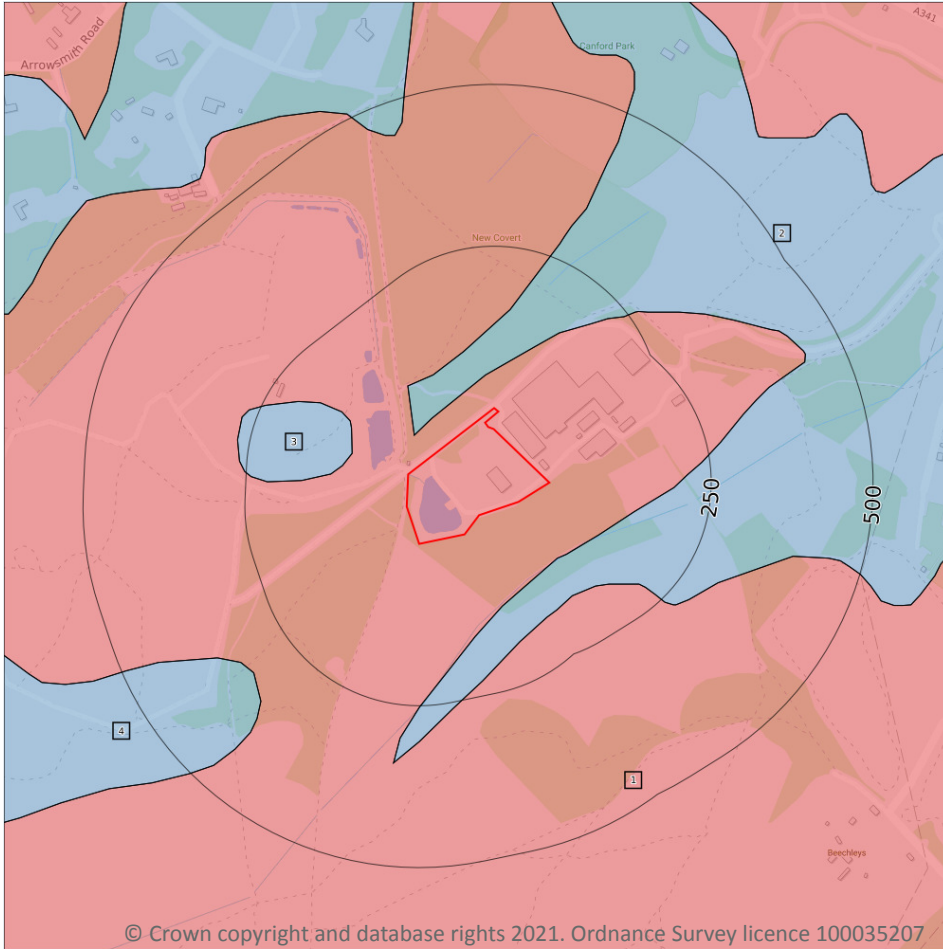
ID	Location	Designation	Description
3	55m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	58m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	169m NW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
6	269m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
7	308m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	321m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
9	344m E	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
10	396m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
11	448m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*





## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

4

Aquifer status of groundwater held within bedrock geology.

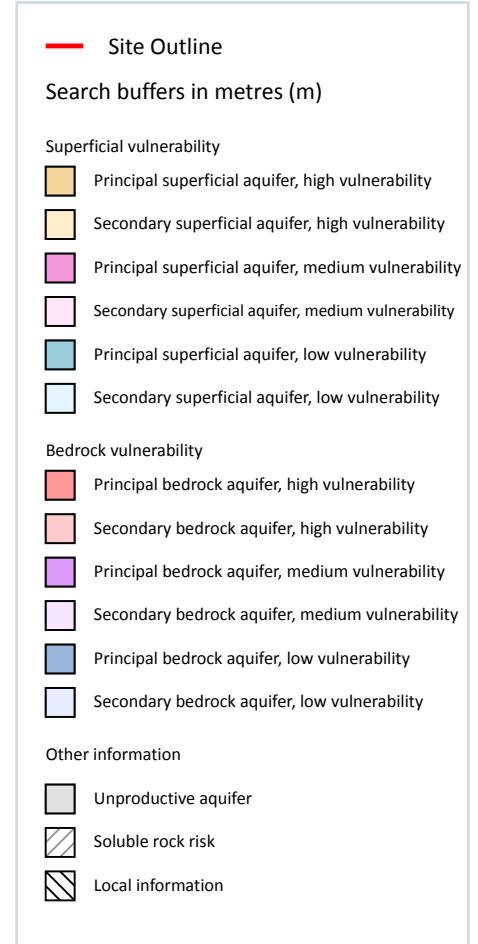
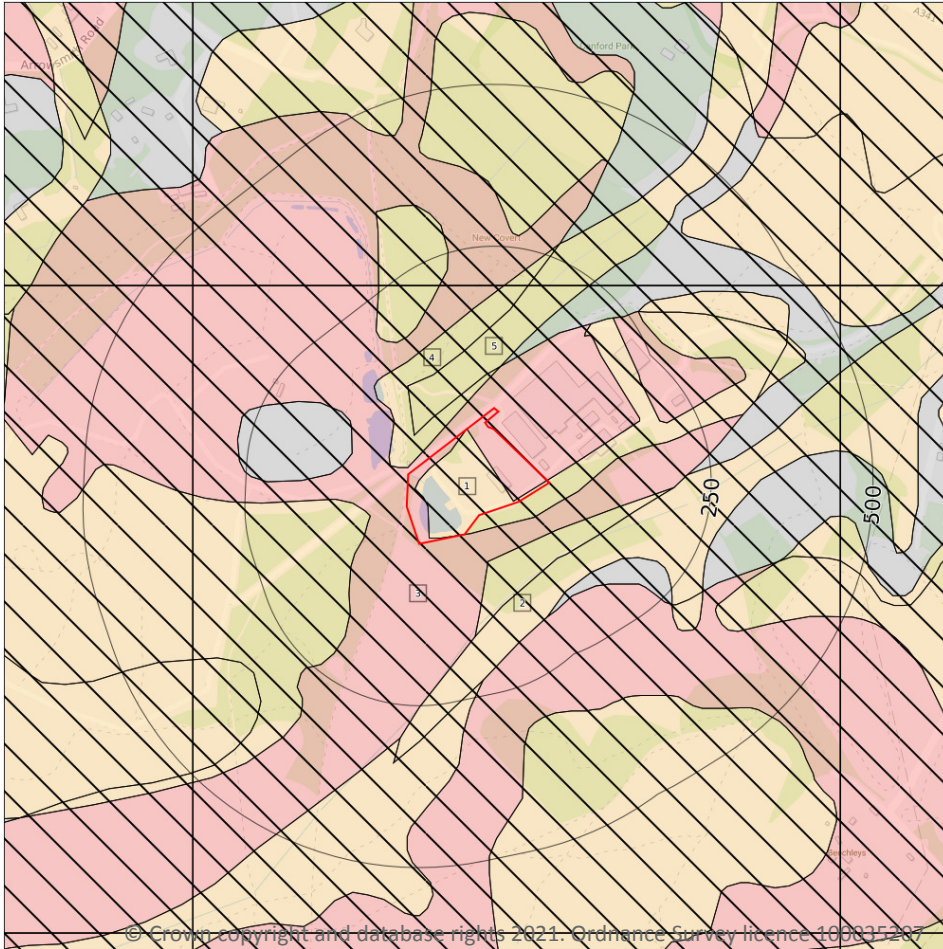
Features are displayed on the Bedrock aquifer map on **page 45**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	42m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

ID	Location	Designation	Description
3	92m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	324m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*

## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

4

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 47**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Thickness: &lt;3m</b> <b>Patchiness value: &lt;90%</b> <b>Recharge potential:</b> Medium	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Flow mechanism: Well connected fractures</b>
3	On site	<b>Summary Classification:</b> Secondary bedrock aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, No Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: -</b> <b>Aquifer type: -</b> <b>Thickness: &lt;3m</b> <b>Patchiness value: &lt;90%</b> <b>Recharge potential:</b> Medium	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Flow mechanism: Well connected fractures</b>
4	8m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
5	42m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

## 5.4 Groundwater vulnerability- soluble rock risk

### Records on site

0

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

## 5.5 Groundwater vulnerability- local information

### Records on site

1

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by





email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk).

ID	Summary	Additional information
2	<b>Increased vulnerability of superficial river deposits</b>	<b>Exposed areas of river terrace deposits</b>

*This data is sourced from the British Geological Survey and the Environment Agency.*

## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

7

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 50**

ID	Location	Details	
A	391m NE	Status: Historical Licence No: 13/43/037/G/131 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Ltd Easting: 403730 Northing: 97100	Annual Volume (m <sup>3</sup> ): 27600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 101 Version Start Date: 16/08/2000 Version End Date: -
A	396m NE	Status: Active Licence No: 13/43/037/G/131 Details: Process Water Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Sports Ltd Easting: 403736 Northing: 97101	Annual Volume (m <sup>3</sup> ): 27,600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 103 Version Start Date: 20/06/2018 Version End Date: -
A	396m NE	Status: Active Licence No: 13/43/037/G/131 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Sports Ltd Easting: 403736 Northing: 97101	Annual Volume (m <sup>3</sup> ): 27,600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 103 Version Start Date: 20/06/2018 Version End Date: -
B	403m SW	Status: Historical Licence No: 13/43/037/G/115 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: Ground Water - Fresh Point: "CANFORD HEATH, WIMBORNE BOREHOLE #1" Data Type: Point Name: W H White Plc Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 100 Version Start Date: 14/06/1996 Version End Date: -
B	403m SW	Status: Historical Licence No: 13/43/037/G/115 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Ground Water - Fresh Point: CANFORD HEATH, WIMBORNE BOREHOLE #1 Data Type: Point Name: W H White Plc Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): 30000 Max Daily Volume (m <sup>3</sup> ): 200 Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 101 Version Start Date: 05/08/2011 Version End Date: -



ID	Location	Details	
B	403m SW	Status: Active Licence No: 13/43/037/G/115 Details: Mineral Washing Direct Source: Ground Water - Fresh Point: CANFORD HEATH, WIMBORNE BOREHOLE #1 Data Type: Point Name: W H White Limited Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): 30,000 Max Daily Volume (m <sup>3</sup> ): 200 Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 102 Version Start Date: 04/07/2017 Version End Date: -
-	1736m W	Status: Historical Licence No: 13/43/037/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BLACKWATER FARM WELL POINT #1 Data Type: Point Name: Waters Easting: 401700 Northing: 97300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/07/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1967 Version End Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.7 Surface water abstractions

### Records within 2000m

2

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 50**

ID	Location	Details	
-	1227m NW	Status: Historical Licence No: 13/43/037/S/127 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: Surface Water - Fresh Point: ARROWSMITH STREAM AT CANFORD MAGNA Data Type: Point Name: Coward Easting: 402900 Northing: 97900	Annual Volume (m <sup>3</sup> ): 56775 Max Daily Volume (m <sup>3</sup> ): 207.4 Original Application No: - Original Start Date: 04/10/1995 Expiry Date: - Issue No: 101 Version Start Date: 01/09/2005 Version End Date: -





ID	Location	Details	
-	1227m NW	Status: Active Licence No: 13/43/037/S/127 Details: Lake & Pond Throughflow Direct Source: Surface Water - Fresh Point: ARROWSMITH STREAM AT CANFORD MAGNA Data Type: Point Name: Coward Easting: 402900 Northing: 97900	Annual Volume (m <sup>3</sup> ): 56,775 Max Daily Volume (m <sup>3</sup> ): 207.40 Original Application No: - Original Start Date: 04/10/1995 Expiry Date: - Issue No: 101 Version Start Date: 01/09/2005 Version End Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.8 Potable abstractions

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.9 Source Protection Zones

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

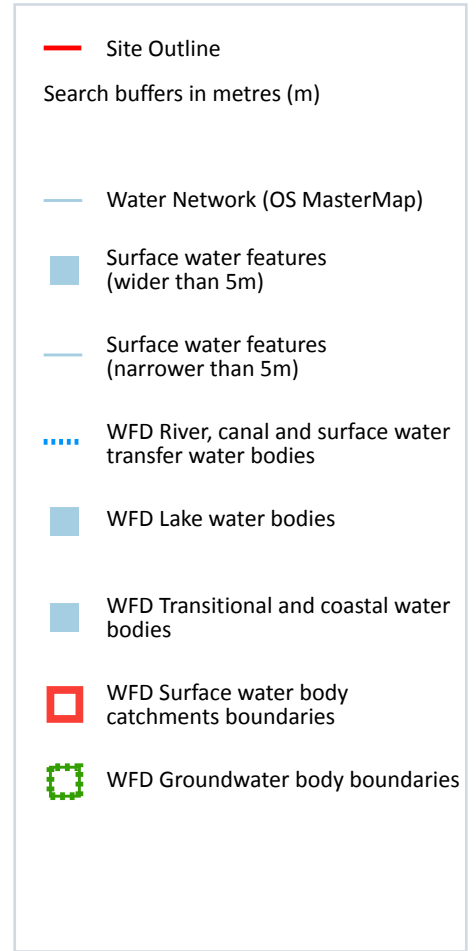
## 5.10 Source Protection Zones (confined aquifer)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

12

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	39m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	102m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
1	104m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	113m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	161m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	172m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	209m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	215m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
3	223m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

*This data is sourced from the Ordnance Survey.*



## 6.2 Surface water features

Records within 250m

9

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 54**

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	Stour (Lower)	GB108043011040	Stour Dorset	Dorset

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1694m NE	River	Stour (Lower)	<a href="#">GB108043011040</a>	Moderate	Fail	Moderate	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*





## 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 54**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Lower Dorset Stour and Lower Hampshire Avon	<a href="#">GB40802G805800</a>	Poor	Poor	Good	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7 River and coastal flooding

### 7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.2 Historical Flood Events

Records within 250m

0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## River and coastal flooding - Flood Zones

### 7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.7 Flood Zone 3

Records within 50m

0

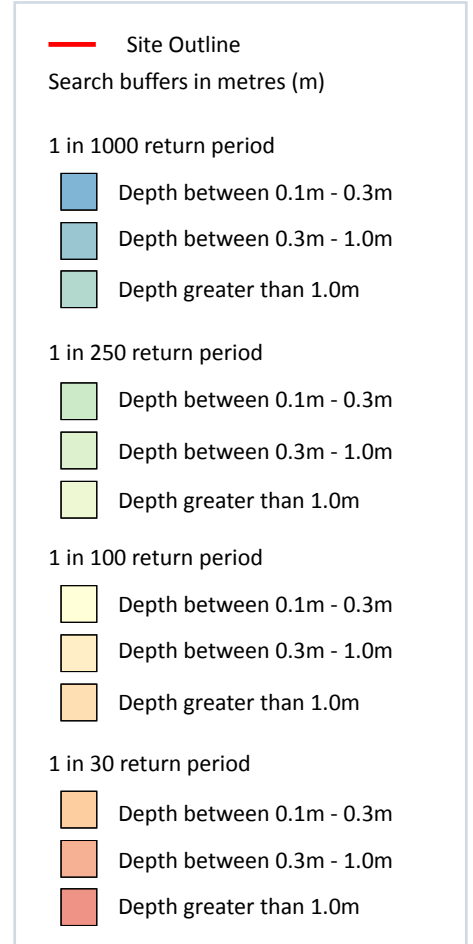
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*





## 8 Surface water flooding



### 8.1 Surface water flooding

**Highest risk on site**

**1 in 30 year, 0.1m - 0.3m**

**Highest risk within 50m**

**1 in 30 year, 0.3m - 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 61**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

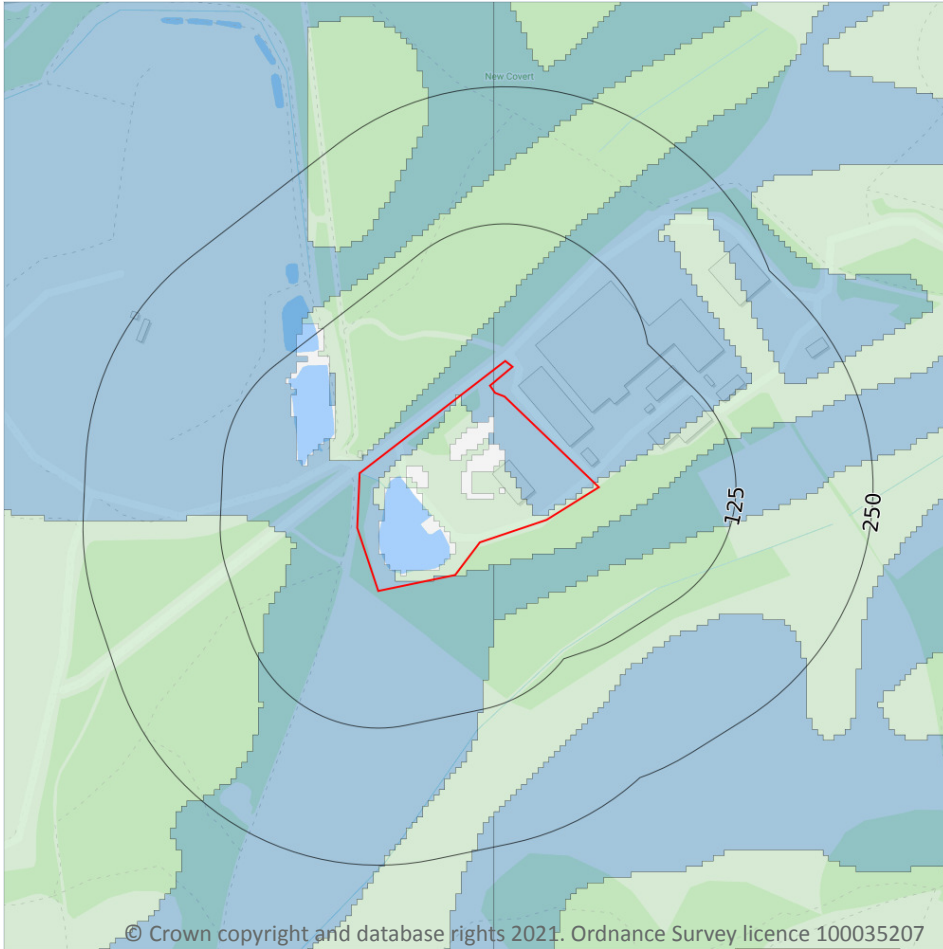
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Low**

**Highest risk within 50m**

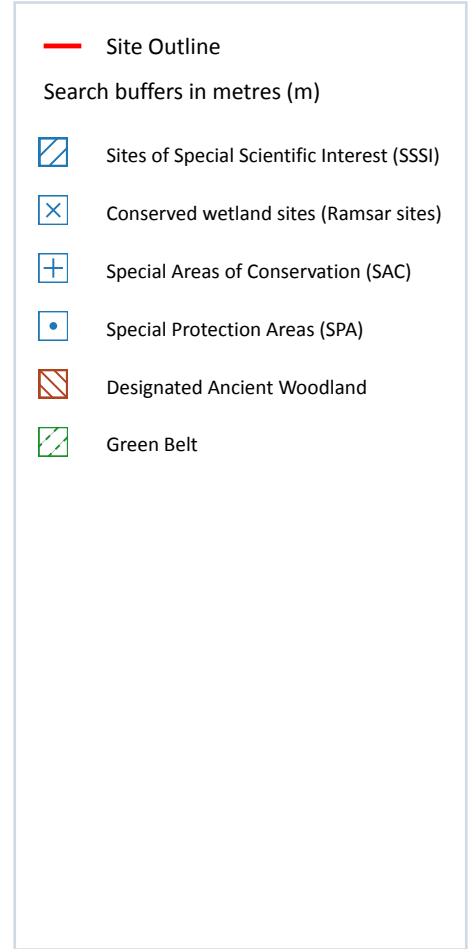
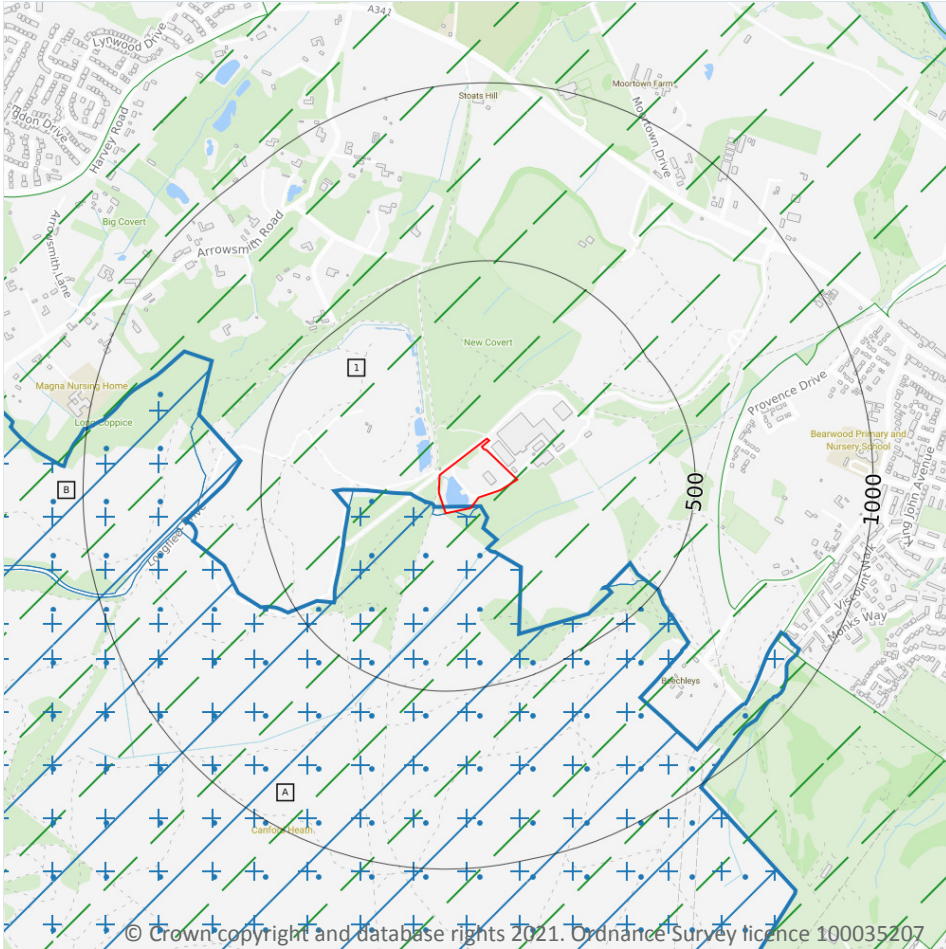
**Low**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 63**

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Data source
A	On site	Canford Heath	Natural England



ID	Location	Name	Data source
-	1730m W	Canford Heath	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.2 Conserved wetland sites (Ramsar sites)

<b>Records within 2000m</b>	<b>1</b>
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Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Site	Details
-	1585m SW	Name: Dorset Heathlands Site status: Listed Data source: Natural England	<p>Overview: Extensive and fragmented, these heathland areas are centred around the estuary of Poole Harbour and are adjacent to the urban conurbation of Bournemouth and Poole. The heathland contains numerous examples of wet heath and acid valley mire, habitats that are restricted to the Atlantic fringe of Europe. These heath wetlands are among the best of their type in lowland Britain. There are also transitions to coastal wetland and fen habitat types. The wetland flora and fauna includes a large assemblage of nationally rare and scarce species, especially invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 1 Contains particularly good examples of (i) northern Atlantic wet heaths with cross-leaved heath <i>Erica tetralix</i> and (ii) acid mire with <i>Rhynchosporion</i>. Contains largest example in Britain of southern Atlantic wet heaths with Dorset heath <i>Erica ciliaris</i> and cross-leaved heath <i>Erica tetralix</i>. Ramsar criterion 2 Supports 1 nationally rare and 13 nationally scarce wetland plant species, and at least 28 nationally rare wetland invertebrate species. Ramsar criterion 3 Has a high species richness and high ecological diversity of wetland habitat types and transitions, and lies in one of the most biologically-rich wetland areas of lowland Britain, being continuous with three other Ramsar sites: Poole Harbour, Avon Valley and The New Forest.</p>

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 10.3 Special Areas of Conservation (SAC)

<b>Records within 2000m</b>	<b>3</b>
-----------------------------	----------

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Features of interest	Habitat description	Data source
A	0m S	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
B	656m W	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
-	1730m W	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.4 Special Protection Areas (SPA)

Records within 2000m

4

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Species of interest	Habitat description	Data source
A	0m S	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
B	656m W	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
-	1419m S	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
-	1730m W	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

Records within 2000m

0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.6 Local Nature Reserves (LNR)

**Records within 2000m** **0**

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

**Records within 2000m** **1**

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Woodland Type
-	1551m W	Arrowsmith Coppice	Ancient & Semi-Natural Woodland

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.8 Biosphere Reserves

**Records within 2000m** **0**

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

**Records within 2000m** **0**

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*



## 10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.11 Green Belt

Records within 2000m

2

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Local Authority name
1	On site	Bournemouth, Christchurch and Poole	Bournemouth, Christchurch and Poole
5	1695m NE	Bournemouth, Christchurch and Poole	Dorset

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

## 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*



## 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

## 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

## 10.16 Nitrate Vulnerable Zones

Records within 2000m

5

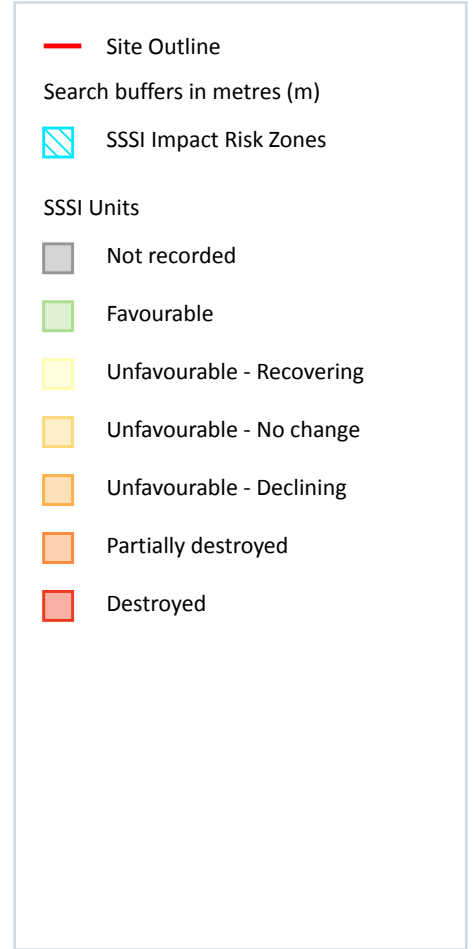
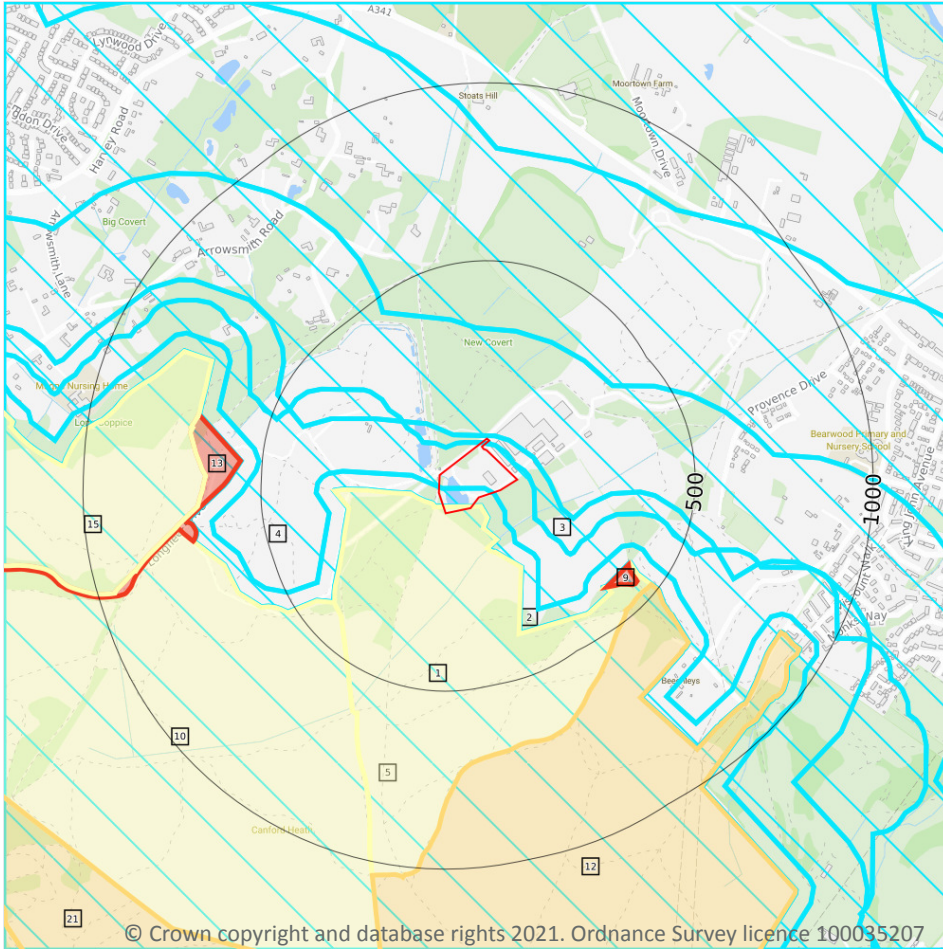
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1505m S	Poole Harbour	Eutrophic Water	ET1	Changed
1547m SE	Poole Harbour	Eutrophic Water	ET1	Changed
1618m SW	Poole Harbour	Eutrophic Water	ET1	Changed
1638m SW	Poole Harbour	Eutrophic Water	ET1	Changed
1732m W	Poole Harbour	Eutrophic Water	ET1	Changed

*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

4

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 71**

ID	Location	Type of developments requiring consultation
2	On site	All applications - All planning applications - except householder applications.

ID	Location	Type of developments requiring consultation
3	On site	<p><b>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</b></p> <p><b>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</b></p> <p><b>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil &amp; gas exploration/extraction.</b></p> <p><b>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</b></p> <p><b>Residential - Any residential developments with a total net gain in residential units.</b></p> <p><b>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</b></p> <p><b>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</b></p> <p><b>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</b></p> <p><b>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</b></p> <p><b>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</b></p>



ID	Location	Type of developments requiring consultation
4	On site	<p>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil &amp; gas exploration/extraction.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</p> <p>Residential - Any residential developments with a total net gain in residential units.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p>
5	On site	All applications - All planning applications.

*This data is sourced from Natural England.*

## 10.18 SSSI Units

Records within 2000m

16

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 71**

ID: 1  
 Location: On site  
 SSSI name: Canford Heath  
 Unit name: Canford Heath North  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering



## Reportable features:

Feature name	Feature condition	Date of assessment
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	25/11/2010
H4030 European dry heaths	Unfavourable - Recovering	25/11/2010
H7150 Depressions on peat substrates of the Rhynchosporion	Unfavourable - Recovering	25/11/2010

ID: 9  
 Location: 391m SE  
 SSSI name: Canford Heath  
 Unit name: Canford Heath Pit Deletions  
 Broad habitat: Built Up Areas And Gardens  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 10  
 Location: 402m SW  
 SSSI name: Canford Heath  
 Unit name: Canford Heath West  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	18/09/2009
H4030 European dry heaths	Unfavourable - Recovering	18/09/2009
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900



ID: 12  
 Location: 472m SE  
 SSSI name: Canford Heath  
 Unit name: Canford Heath North East  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - No change	25/11/2010
H4030 European dry heaths	Unfavourable - No change	25/11/2010

ID: 13  
 Location: 561m W  
 SSSI name: Canford Heath  
 Unit name: Canford Heath Pit Deletions  
 Broad habitat: Built Up Areas And Gardens  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, Sylvia undata	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, Lacerta agilis	Not Recorded	01/01/1900
Smooth snake, Coronella austriaca	Not Recorded	01/01/1900

ID: 15  
 Location: 656m W  
 SSSI name: Canford Heath  
 Unit name: Arrowsmith Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, Sylvia undata	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	23/03/2010



Feature name	Feature condition	Date of assessment
H4030 European dry heaths	Unfavourable - Recovering	23/03/2010
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1318m S  
 SSSI name: Canford Heath  
 Unit name: Lodge Hill East  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 21  
 Location: 1319m S  
 SSSI name: Canford Heath  
 Unit name: Lodge Hill West  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Population of RDB moth - <i>Coscinia cribraria</i> , Speckled Footman	Not Recorded	01/01/1900



Feature name	Feature condition	Date of assessment
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1468m S  
 SSSI name: Canford Heath  
 Unit name: Culliford Crescent  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1515m S  
 SSSI name: Canford Heath  
 Unit name: Belben Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 25  
 Location: 1554m SW  
 SSSI name: Canford Heath  
 Unit name: Route E  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1579m S  
 SSSI name: Canford Heath  
 Unit name: Culliford Crescent  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1585m SW  
 SSSI name: Canford Heath  
 Unit name: Tolleford Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
H7150 Depressions on peat substrates of the Rhynchosporion	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1621m SW  
 SSSI name: Canford Heath  
 Unit name: Sandringham Park  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1634m SW  
 SSSI name: Canford Heath  
 Unit name: Gravel Hill  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change



## Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1730m W  
 SSSI name: Canford Heath  
 Unit name: Dunyeat's Hill  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - Recovering	19/11/2009
H4030 European dry heaths	Unfavourable - Recovering	19/11/2009
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

*This data is sourced from Natural England and Natural Resources Wales.*





## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

### 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

### 11.4 Listed Buildings

Records within 250m

0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.



*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.5 Conservation Areas

**Records within 250m**

**0**

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

**Records within 250m**

**0**

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

**Records within 250m**

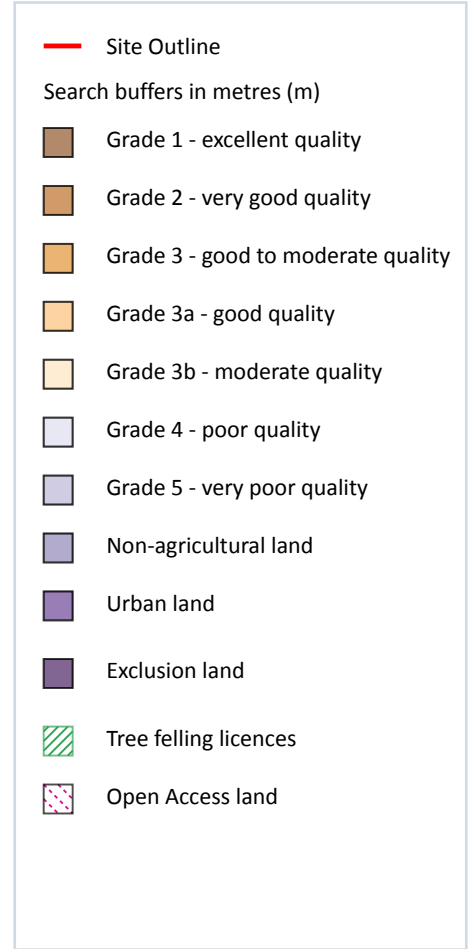
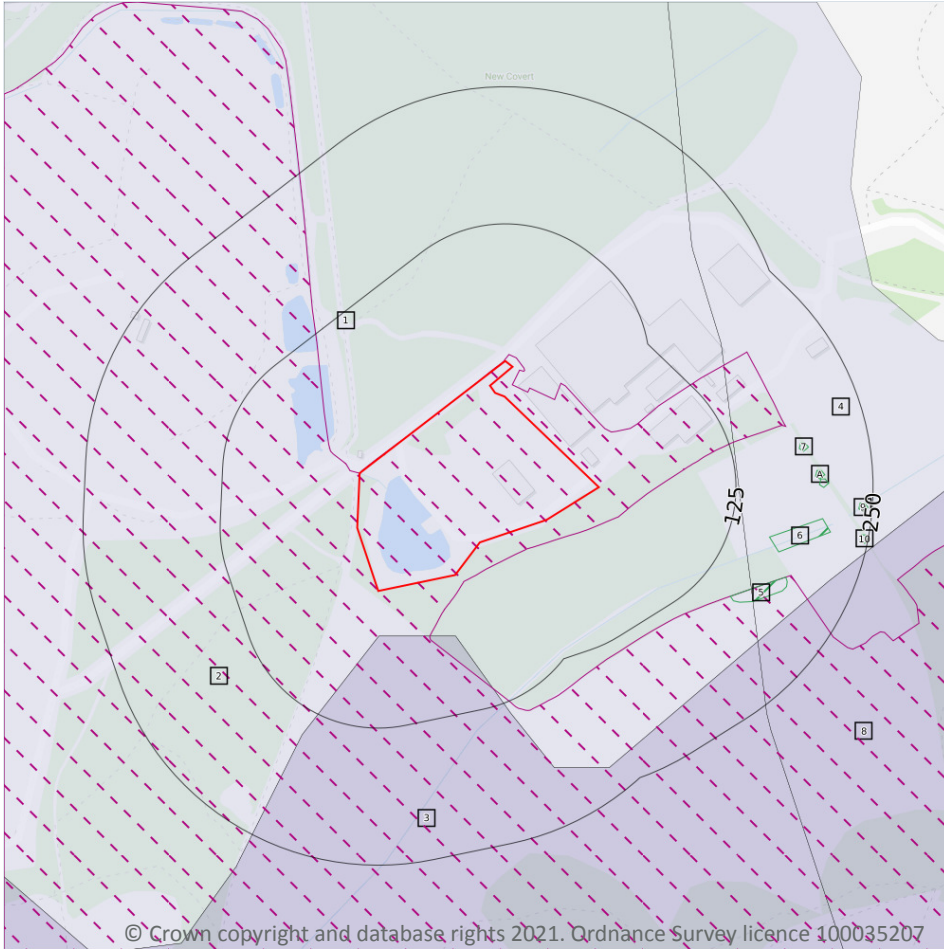
**0**

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



### 12.1 Agricultural Land Classification

Records within 250m

4

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Classification	Description
1	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

ID	Location	Classification	Description
3	41m S	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.
4	127m E	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.
8	202m SE	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.

This data is sourced from Natural England.

## 12.2 Open Access Land

### Records within 250m

1

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Name	Classification	Other relevant legislation
2	On site	-	Section 4 Conclusive Open Country	-

This data is sourced from Natural England and Natural Resources Wales.

## 12.3 Tree Felling Licences

### Records within 250m

7

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Description	Reference	Application date
5	156m SE	Clear Fell (Conditional)	018/373/12-13	22/05/2013
6	162m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
7	186m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013





ID	Location	Description	Reference	Application date
A	198m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
A	201m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
9	238m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
10	243m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

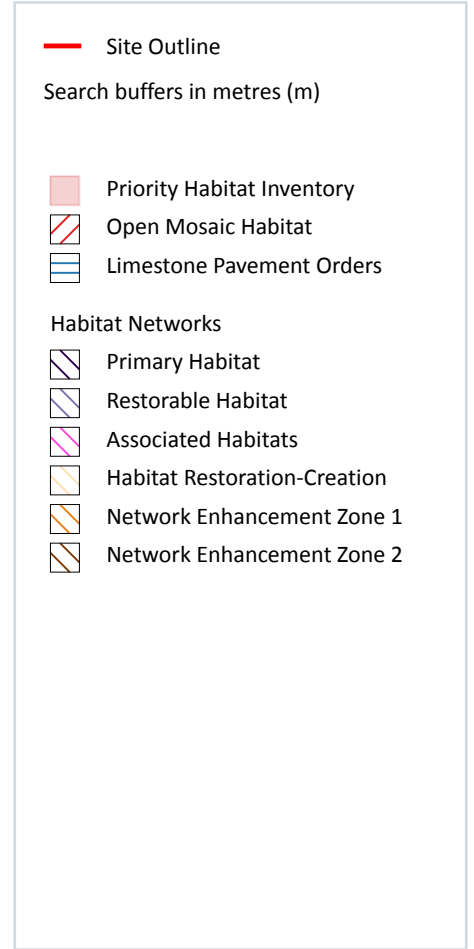
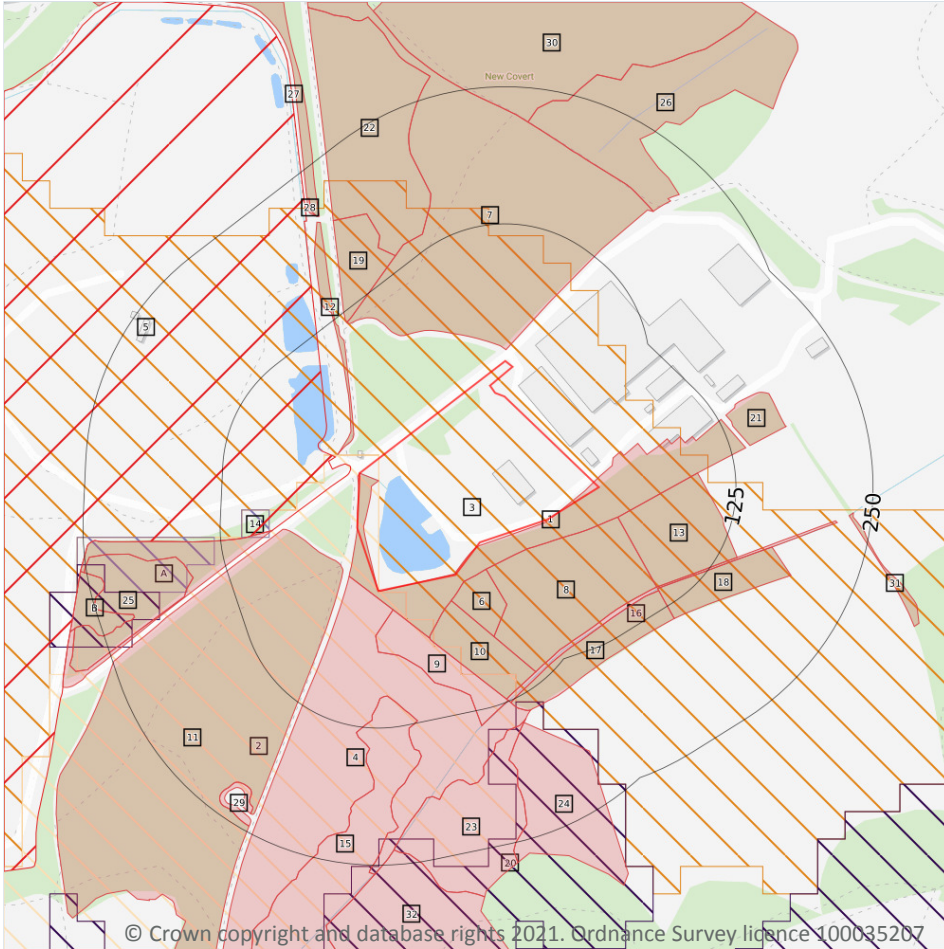
<b>Records within 250m</b>	<b>1</b>
----------------------------	----------

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	468735	Countryside Stewardship (Higher Tier)	01/01/2018	31/12/2027

*This data is sourced from Natural England.*

## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

29

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 86**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2); LHEAT (ENSIS L2); UHEAT (ENSIS L2)
4	5m SW	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)

ID	Location	Main Habitat	Other habitats
6	10m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
7	10m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	19m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	20m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
10	22m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
11	25m W	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
12	26m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	32m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	78m W	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
15	96m S	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
16	103m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	107m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	107m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	116m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	133m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	137m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	147m SE	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
24	148m SE	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
25	156m W	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
26	191m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	208m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	210m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	214m SW	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)



ID	Location	Main Habitat	Other habitats
B	218m W	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
30	219m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	230m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	236m S	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)

This data is sourced from Natural England.

## 13.2 Habitat Networks

<b>Records within 250m</b>	<b>6</b>
----------------------------	----------

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

Features are displayed on the Habitat designations map on **page 86**

ID	Location	Type	Habitat
<b>2</b>	<b>On site</b>	<b>Habitat Restoration-Creation</b>	<b>Not specified</b>
<b>3</b>	<b>On site</b>	<b>Network Enhancement Zone 1</b>	<b>Not specified</b>
14	80m W	Restorable Habitat	Not specified
20	128m SE	Primary Habitat	Lowland heathland
A	131m W	Restorable Habitat	Not specified
B	190m W	Primary Habitat	Lowland heathland

This data is sourced from Natural England.

## 13.3 Open Mosaic Habitat

<b>Records within 250m</b>	<b>1</b>
----------------------------	----------

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

Features are displayed on the Habitat designations map on **page 86**



ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
5	9m W	BRITPITS ref: 18140	Low	British Geological Survey BRITPITS database	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography

*This data is sourced from Natural England.*

## 13.4 Limestone Pavement Orders

**Records within 250m**

**0**

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*





## 14 Geology 1:10,000 scale - Availability



— Site Outline  
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

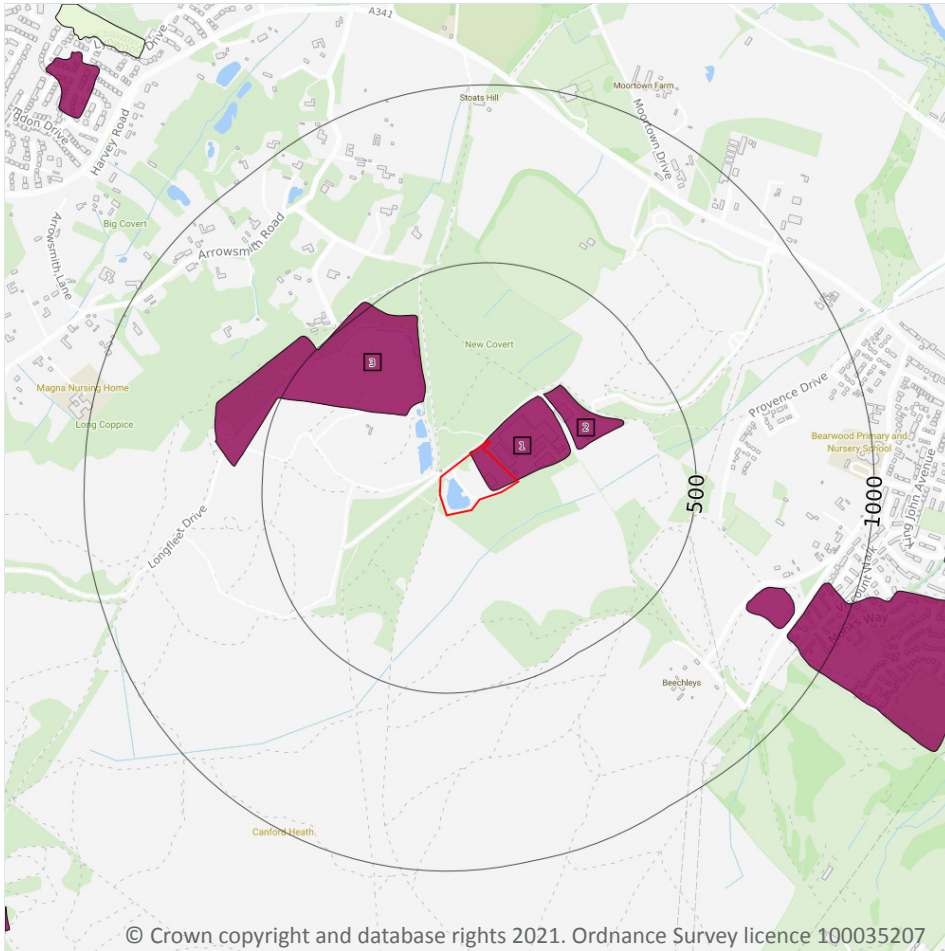
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SZ09NW

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Artificial and made ground



— Site Outline  
Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

### 14.2 Artificial and made ground (10k)

Records within 500m

3

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

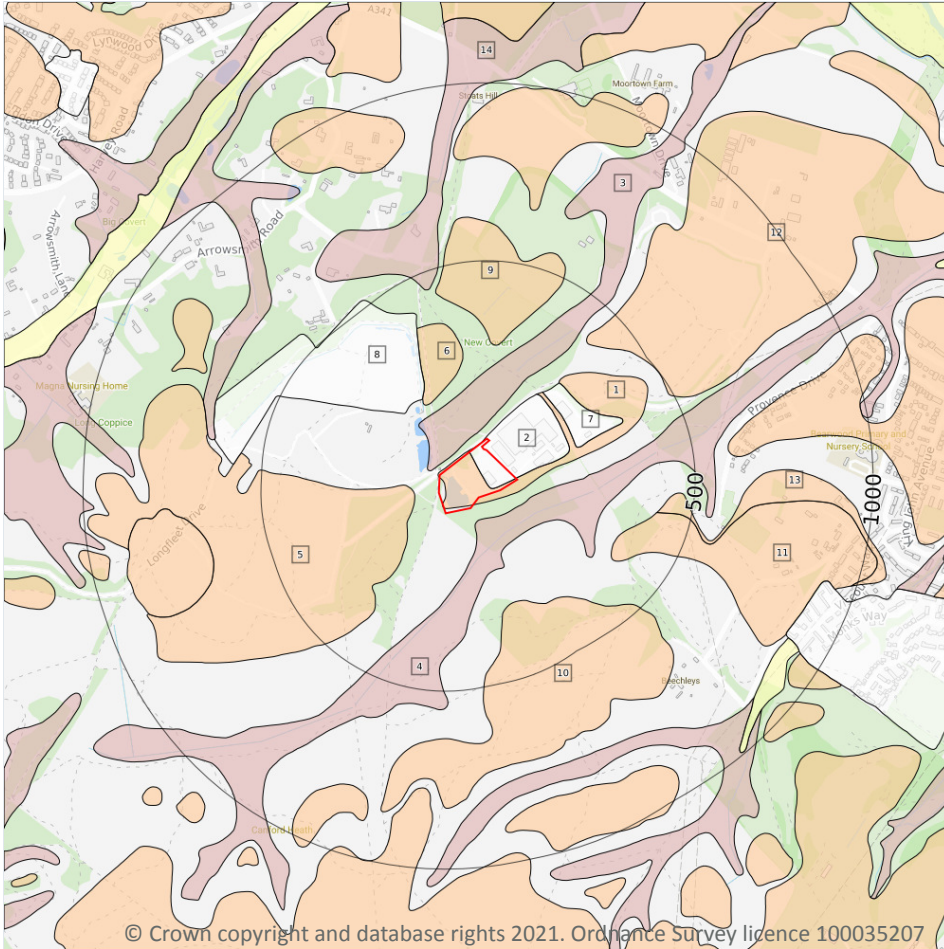
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 91**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	190m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	197m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

14

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 92**

ID	Location	LEX Code	Description	Rock description
1	On site	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
2	On site	SUPNM-UKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
3	22m NW	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	41m SE	HEAD- XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
5	68m W	RT12-XSV	River Terrace Deposits, 12 - Sand And Gravel	Sand And Gravel
6	175m NW	RT11-XSV	River Terrace Deposits, 11 - Sand And Gravel	Sand And Gravel
7	190m NE	SUPNM- UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
8	197m NW	SUPNM- UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
9	264m N	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
10	291m SE	RT12-XSV	River Terrace Deposits, 12 - Sand And Gravel	Sand And Gravel
11	324m SE	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
12	389m NE	RTD8-XSV	River Terrace Deposits, 8 - Sand And Gravel	Sand And Gravel
13	403m E	RTD9-XSV	River Terrace Deposits, 9 - Sand And Gravel	Sand And Gravel
14	450m N	HEAD- XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

**Records within 500m**

**0**

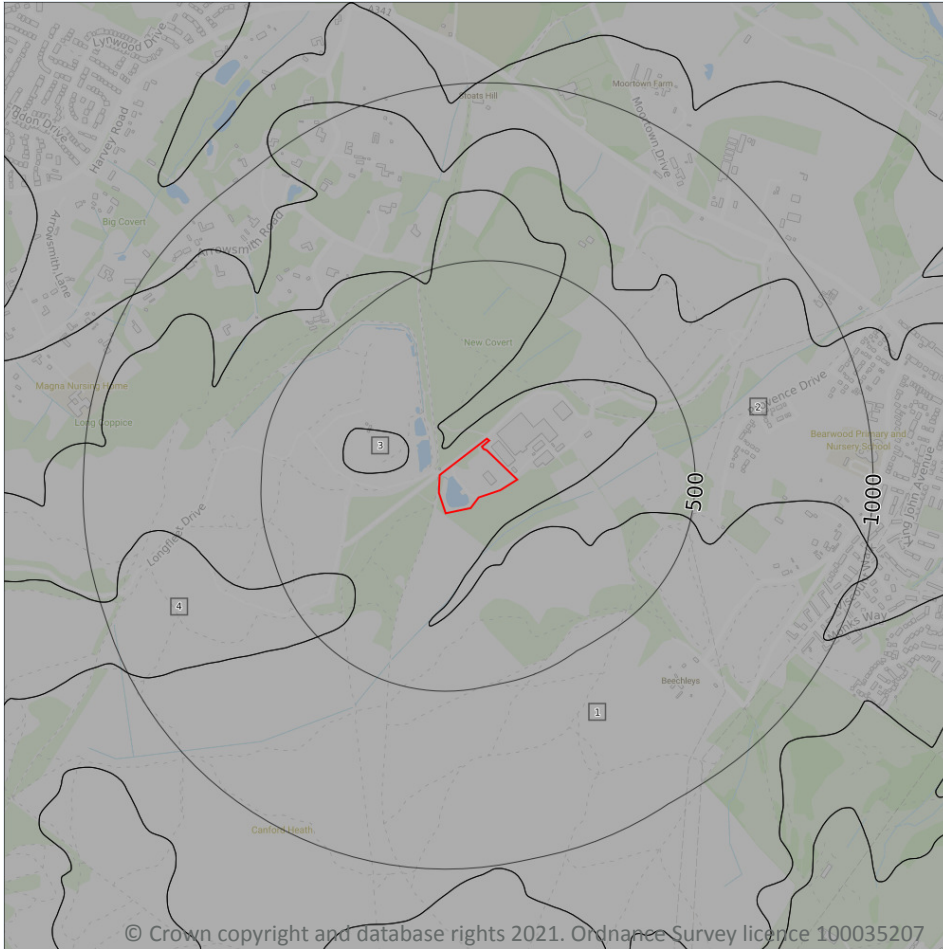
Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*





## Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (10k)
- Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

4

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 94**

ID	Location	LEX Code	Description	Rock age
1	On site	POOL-SSCL	Poole Formation - Sand, Silt And Clay	Lutetian Age - Ypresian Age
2	48m NW	BRTC-SICL	Broadstone Clay Member - Silty Clay	Lutetian Age
3	101m NW	BRTC-SICL	Broadstone Clay Member - Silty Clay	Lutetian Age
4	325m SW	PKC-SICL	Parkstone Clay Member - Silty Clay	Lutetian Age



*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

**Records within 500m**

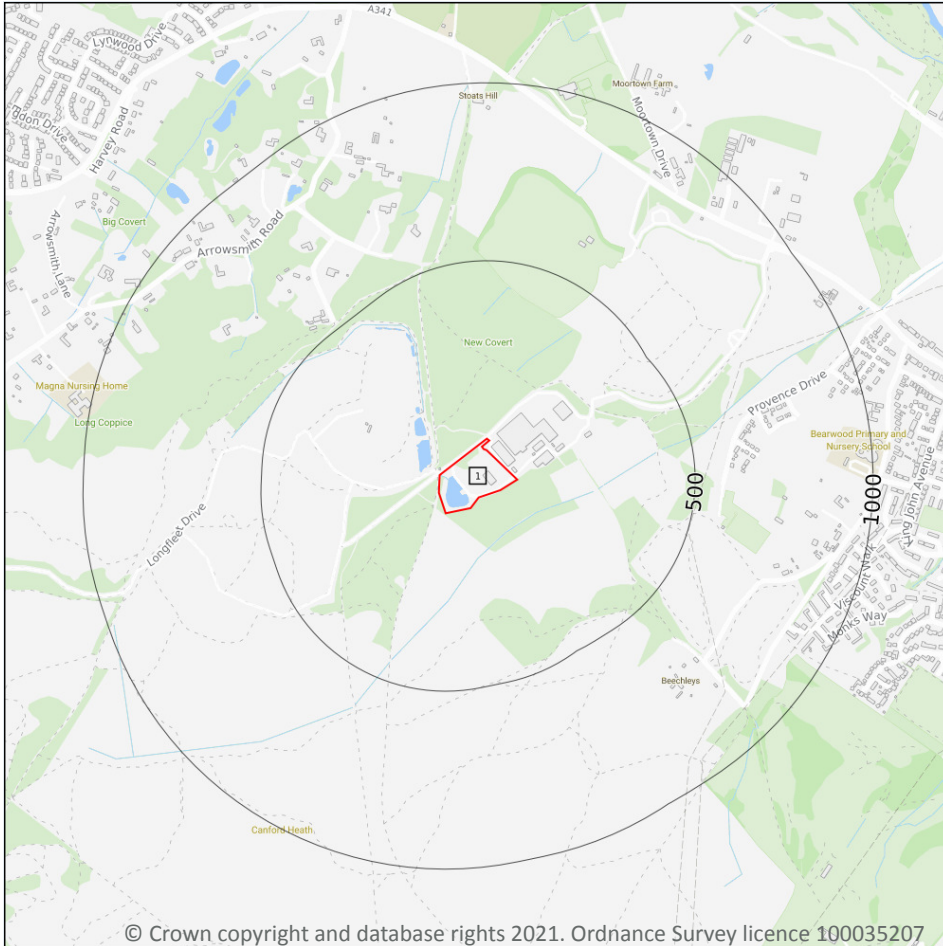
**0**

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*



## 15 Geology 1:50,000 scale - Availability



— Site Outline  
Search buffers in metres (m)

□ Geological map tile

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### 15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

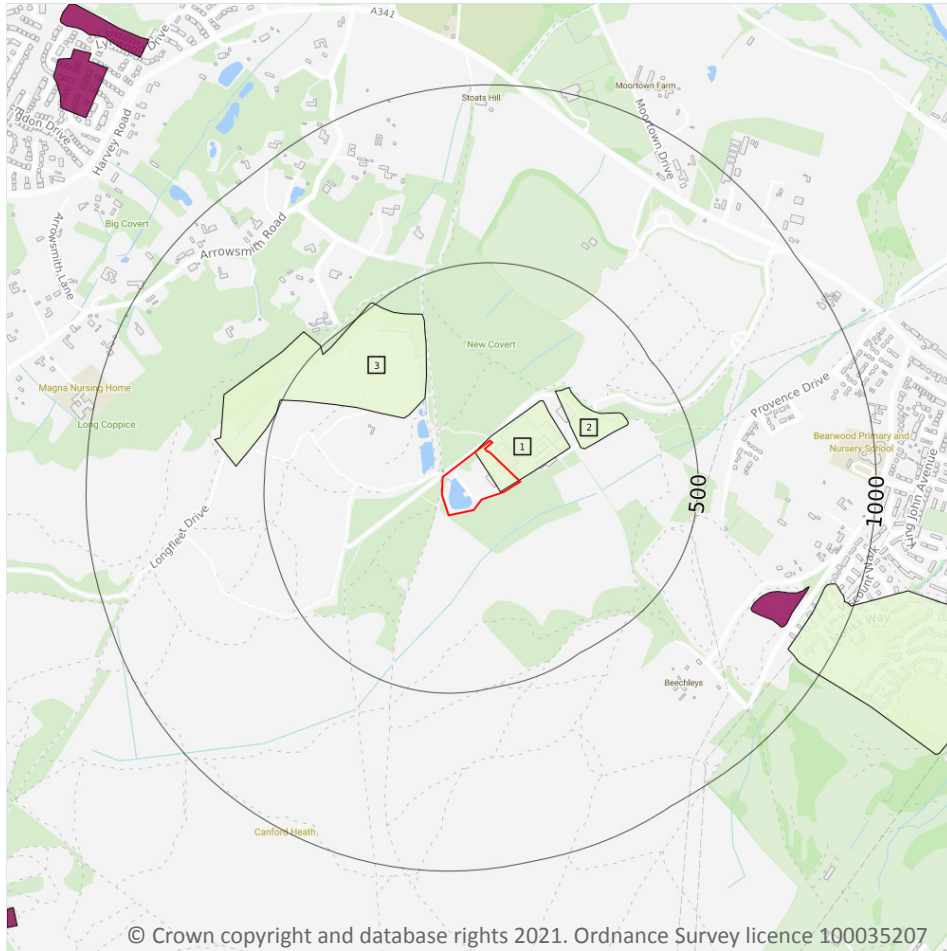
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 96**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW329_bournemouth_v4

This data is sourced from the British Geological Survey.



## Geology 1:50,000 scale - Artificial and made ground



— Site Outline  
Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

### 15.2 Artificial and made ground (50k)

Records within 500m

3

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 97**

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	195m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	196m NW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

*This data is sourced from the British Geological Survey.*



### 15.3 Artificial ground permeability (50k)

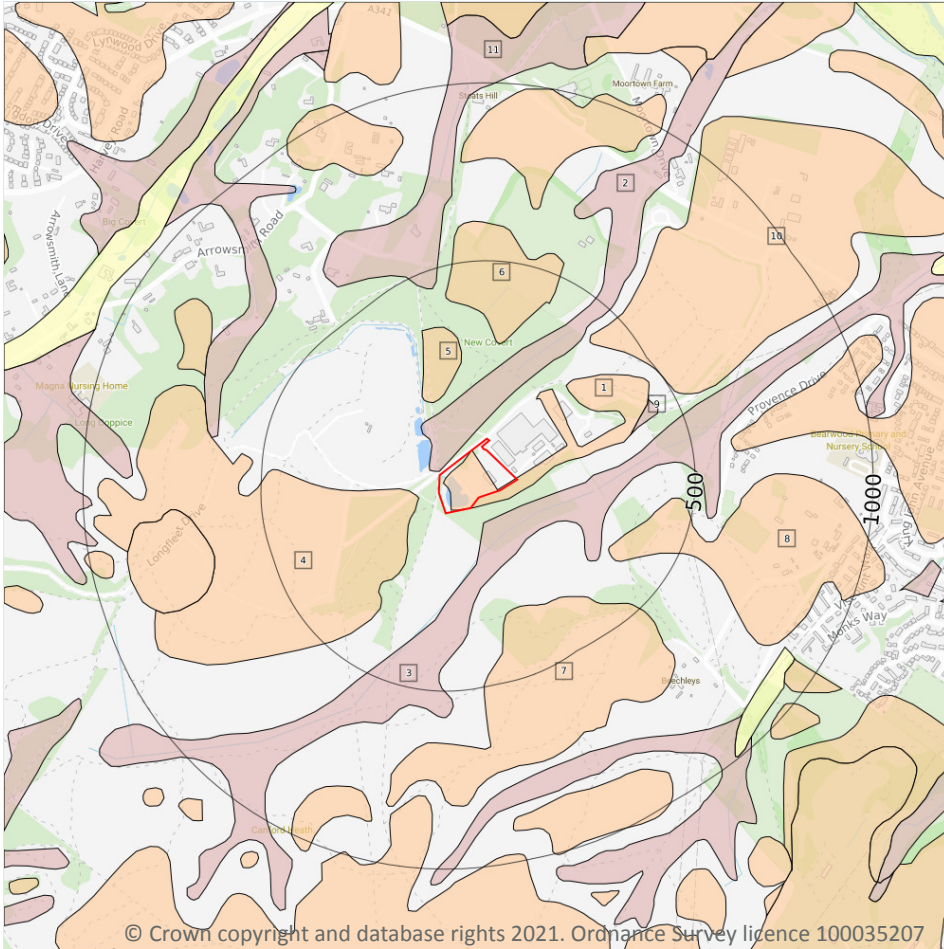
<b>Records within 50m</b>	<b>1</b>
---------------------------	----------


A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Mixed</b>	<b>Very High</b>	<b>Low</b>

*This data is sourced from the British Geological Survey.*

## Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
-  Landslip (50k)
- Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

Records within 500m

11

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 99**

ID	Location	LEX Code	Description	Rock description
1	On site	RTDX-XSV	RIVER TERRACE DEPOSITS, 10	SAND AND GRAVEL
2	9m NW	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	55m SE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	58m W	RT12-XSV	RIVER TERRACE DEPOSITS, 12	SAND AND GRAVEL
5	169m NW	RT11-XSV	RIVER TERRACE DEPOSITS, 11	SAND AND GRAVEL
6	269m N	RTDX-XSV	RIVER TERRACE DEPOSITS, 10	SAND AND GRAVEL
7	308m SE	RT12-XSV	RIVER TERRACE DEPOSITS, 12	SAND AND GRAVEL
8	321m SE	RTD8-XSV	RIVER TERRACE DEPOSITS, 8	SAND AND GRAVEL
9	344m E	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
10	396m NE	RTD8-XSV	RIVER TERRACE DEPOSITS, 8	SAND AND GRAVEL
11	448m N	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

*This data is sourced from the British Geological Survey.*

## 15.5 Superficial permeability (50k)

<b>Records within 50m</b>	<b>2</b>
---------------------------	----------

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Intergranular</b>	<b>Very High</b>	<b>High</b>
9m NE	Mixed	High	Very Low

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

Records within 50m

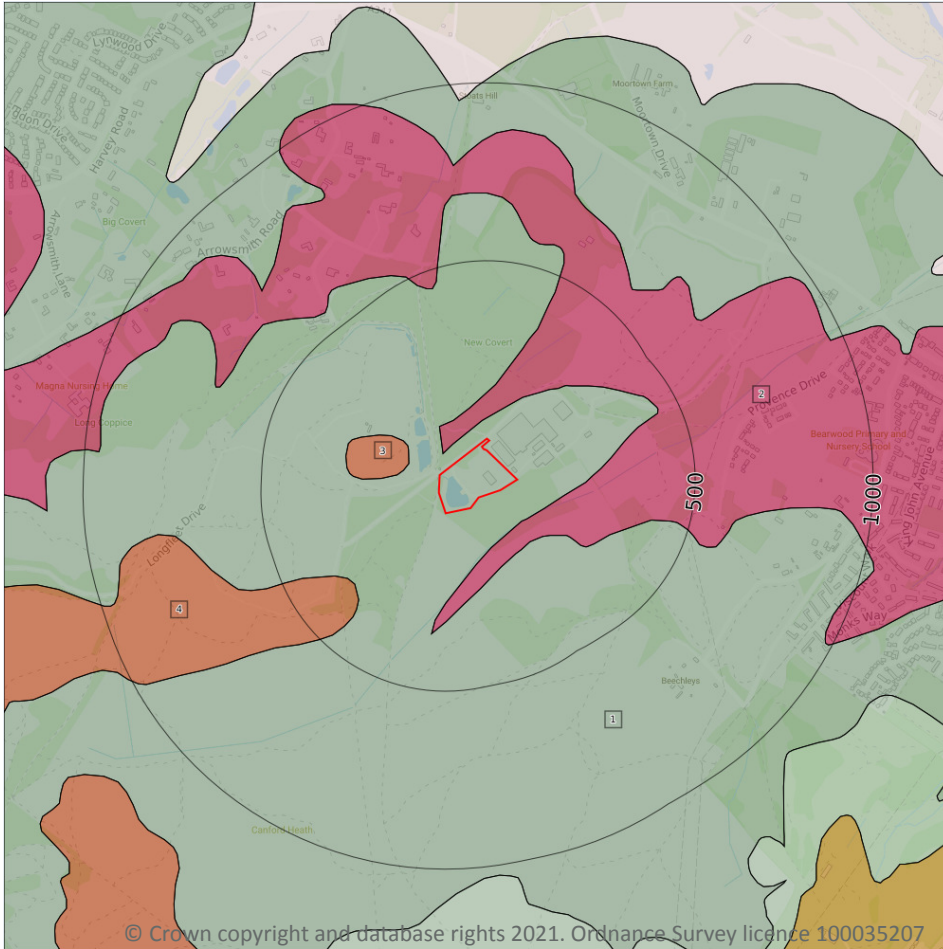
0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

4

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 102**

ID	Location	LEX Code	Description	Rock age
1	On site	POOL-XSZC	POOLE FORMATION - SAND, SILT AND CLAY	YPRESIAN
2	42m NW	BRTC-CZ	BROADSTONE CLAY MEMBER - CLAY, SILTY	LUTETIAN
3	92m W	PKC-C	PARKSTONE CLAY MEMBER - CLAY	-
4	324m SW	PKC-C	PARKSTONE CLAY MEMBER - CLAY	-

*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

**Records within 50m**

**2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Intergranular</b>	<b>High</b>	<b>Low</b>
42m W	Fracture	Low	Very Low

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

**Records within 500m**

**0**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

*This data is sourced from the British Geological Survey.*



## 16 Boreholes

### 16.1 BGS Boreholes

Records within 250m

0

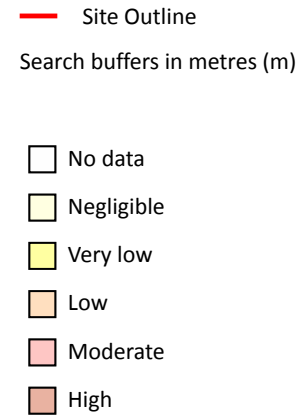
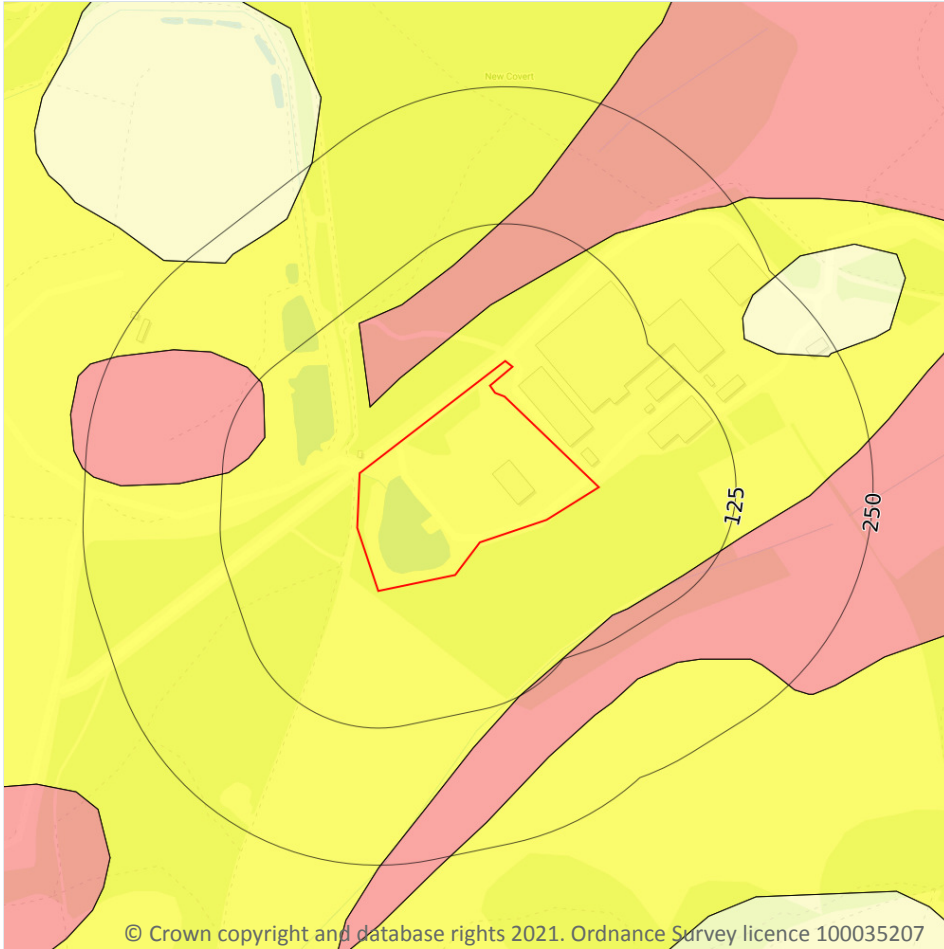
The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

*This data is sourced from the British Geological Survey.*





## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

Records within 50m

2

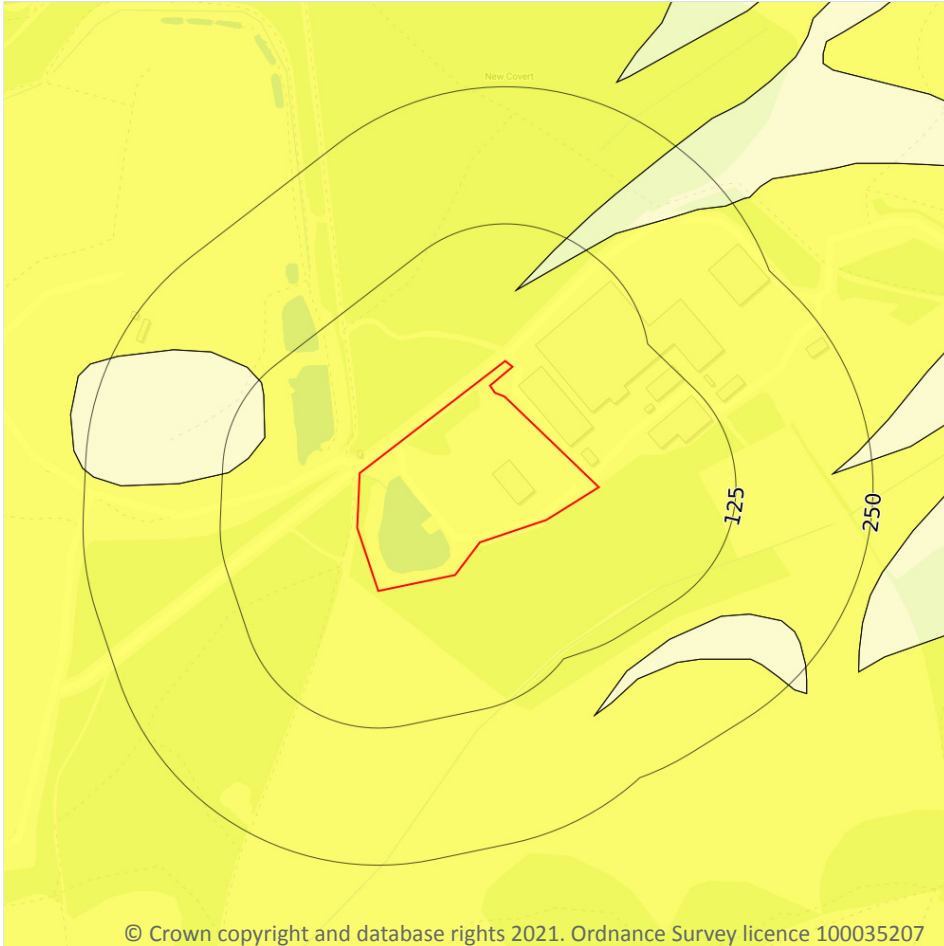
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 105**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
42m NW	Moderate	Ground conditions predominantly high plasticity.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Running sands



### 17.2 Running sands

Records within 50m

1

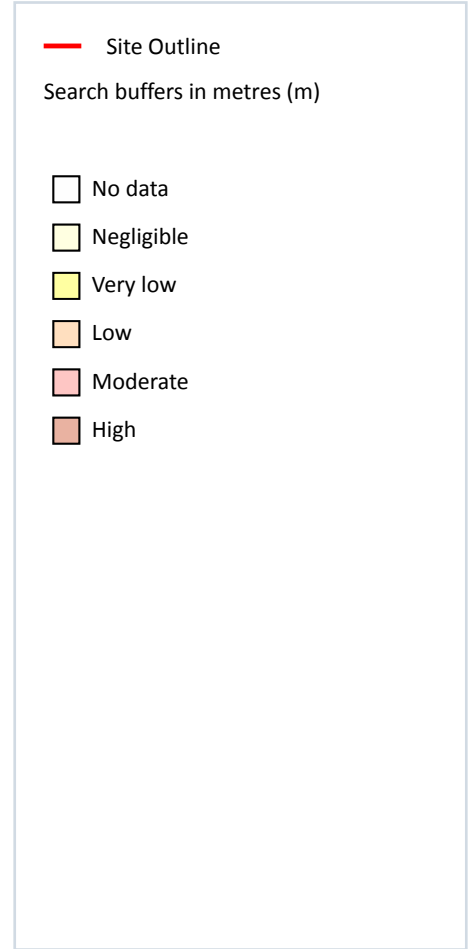
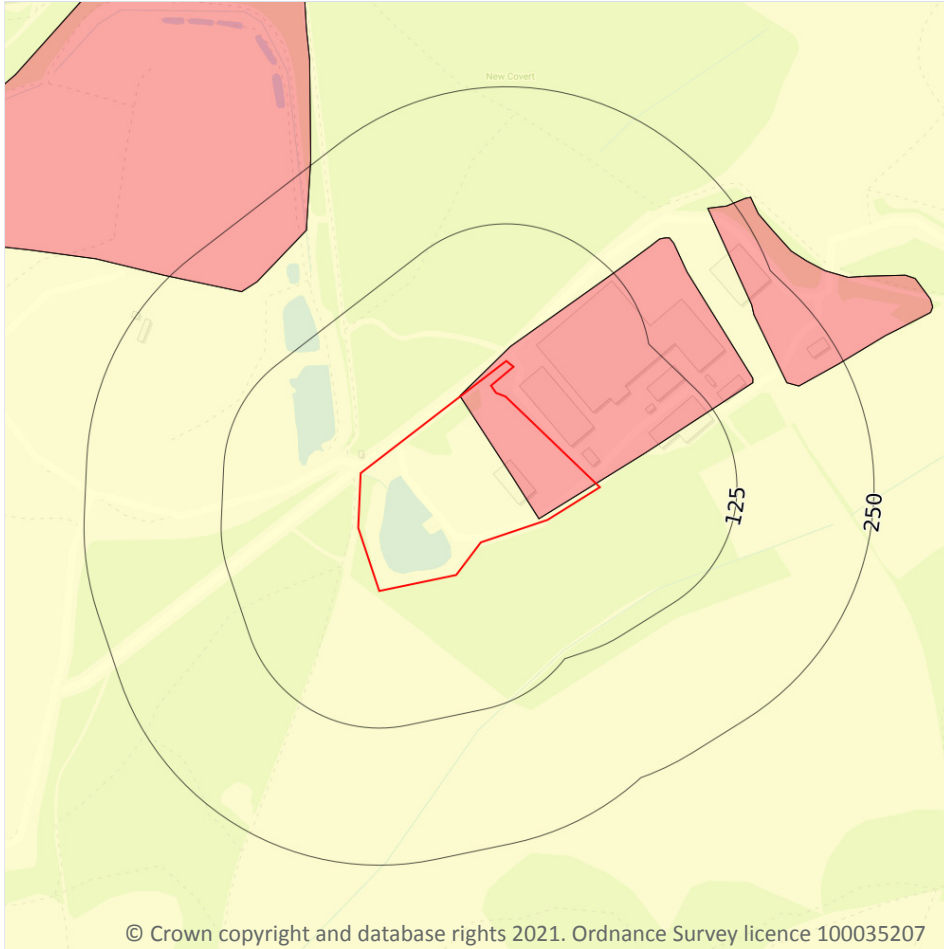
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 106**

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

Records within 50m

2

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

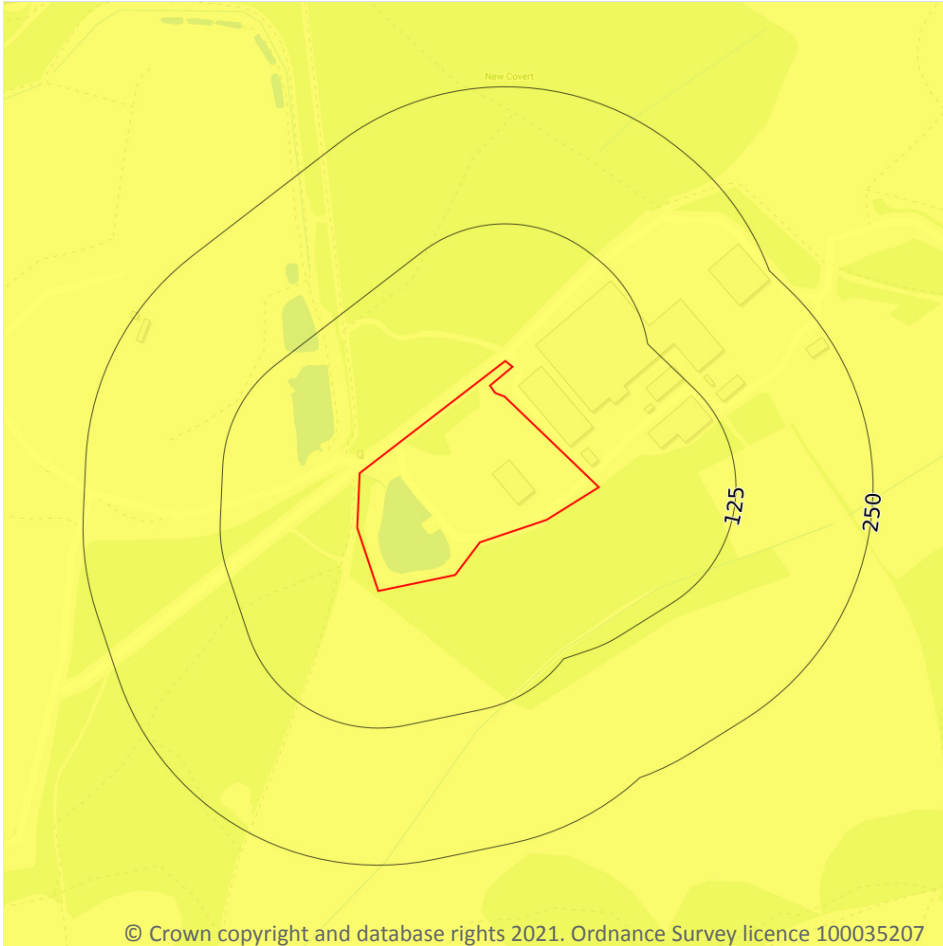
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 107**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

Records within 50m

1

The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

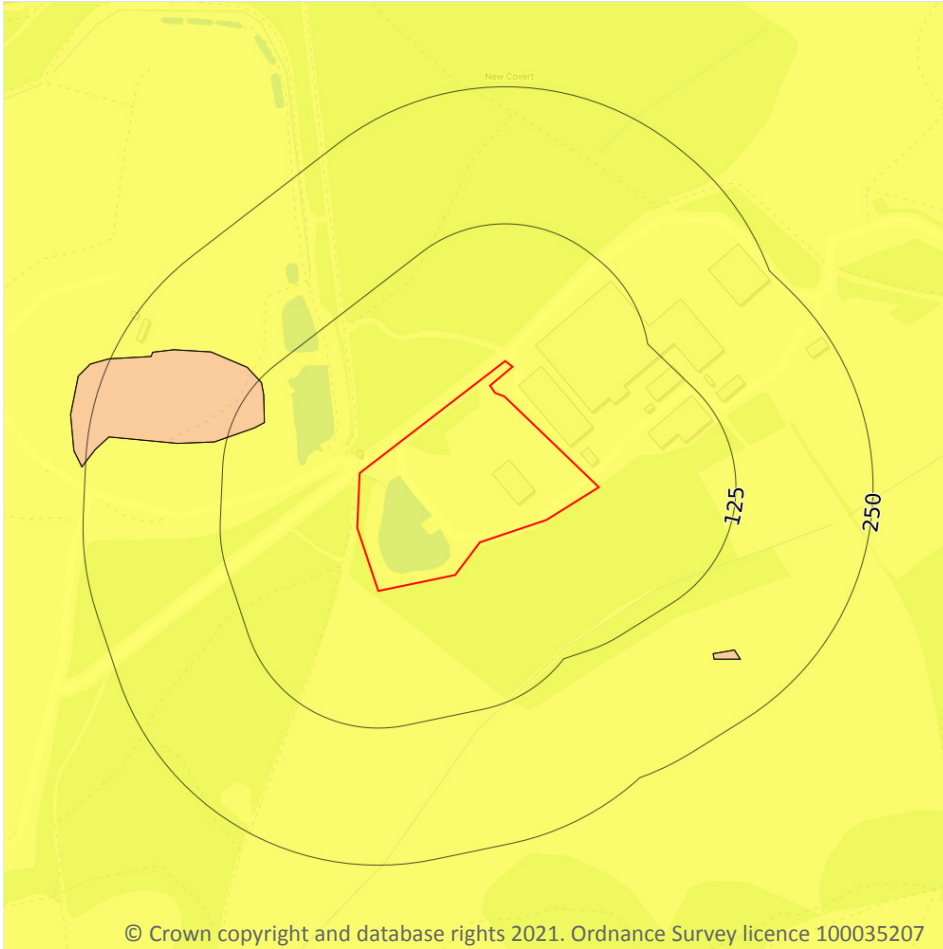
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 109**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Landslides



### 17.5 Landslides

Records within 50m

1

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 110**

Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Ground dissolution of soluble rocks



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### 17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

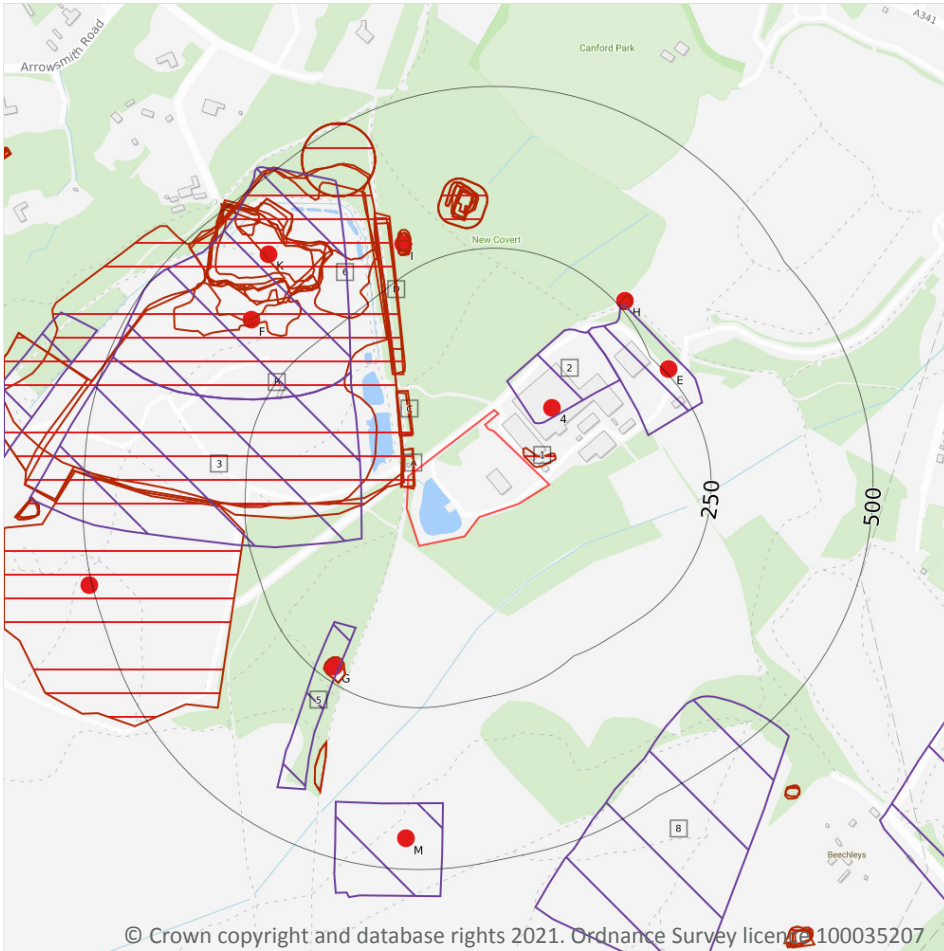
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 111**

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

*This data is sourced from the British Geological Survey.*



## 18 Mining, ground workings and natural cavities



### 18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*

## 18.2 BritPits

Records within 500m

9

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Details	Description
4	83m E	Name: Stoats Hill Gravel Pits Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	227m SW	Name: Canford Heath Sand Pit Address: Canford, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
G	227m SW	Name: Canford Heath Sand Pit Address: Canford, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
E	257m NE	Name: Stoats Hill Gravel Pits Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
H	261m NE	Name: New Covert Address: Merley, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority





ID	Location	Details	Description
I	292m NW	Name: Brake Hill Address: Merley, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
F	342m NW	Name: Budden Gravel Pit Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
K	403m NW	Name: Budden Pit Address: Merley, POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
M	452m S	Name: Canford Heath Sand Pit Address: POOLE, Dorset Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

*This data is sourced from the British Geological Survey.*

### 18.3 Surface ground workings

<b>Records within 250m</b>	<b>15</b>
----------------------------	-----------

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Cuttings	1940	1:10560
A	On site	Cuttings	1934	1:10560
1	4m NE	Unspecified Disused Pit	1982	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
B	6m W	Sand and Gravel Pit	1982	1:10000
B	10m NW	Sand and Gravel Pit	1988	1:10000
C	47m NW	Cuttings	1940	1:10560
C	47m NW	Cuttings	1934	1:10560
B	58m W	Sand and Gravel Pit	1973	1:10000
D	129m NW	Cuttings	1940	1:10560
D	132m NW	Cuttings	1934	1:10560
D	161m NW	Cuttings	1973	1:10000
G	213m SW	Sand Pit	1973	1:10000
G	213m SW	Sand Pit	1963	1:10560
6	243m NW	Old Gravel Pit	1963	1:10560
H	249m NE	Gravel Pit	1887	1:10560

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.4 Underground workings

**Records within 1000m**

**0**

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

*This is data is sourced from Ordnance Survey/Groundsure.*

## 18.5 Historical Mineral Planning Areas

**Records within 500m**

**7**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
2	39m NE	Stoats Hill	Sand and gravel	Surface mineral working	Valid	Not available



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
3	70m W	Withy Bed	Sand and gravel	Surface mineral working	Valid	27/3/1956
5	160m SW	Canford Heath Sand Pits	Sand and gravel	Surface mineral working	Valid	1/2/1949
E	171m NE	Stoats Hill	Sand and gravel	Surface mineral working	Valid	27/5/1956
F	181m NW	Withy Bed	Sand and gravel	Surface mineral working	Valid	1/2/1949
M	398m S	Canford Heath Sand Pits	Sand and gravel	Surface mineral working	Valid	1/2/1949
8	399m SE	Beechleys Cottage	Sand	Surface mineral working	Valid	Not available

*This data is sourced from the British Geological Survey.*

## 18.6 Non-coal mining

**Records within 1000m**

**0**

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

*This data is sourced from the British Geological Survey.*

## 18.7 Mining cavities

**Records within 1000m**

**0**

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

*This data is sourced from Stantec UK Ltd.*



## 18.8 JPB mining areas

Records on site	0
-----------------	---

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.9 Coal mining

Records on site	0
-----------------	---

Areas which could be affected by past, current or future coal mining.

*This data is sourced from the Coal Authority.*

## 18.10 Brine areas

Records on site	0
-----------------	---

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

## 18.11 Gypsum areas

Records on site	0
-----------------	---

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.12 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*



## 18.13 Clay mining

Records on site

0

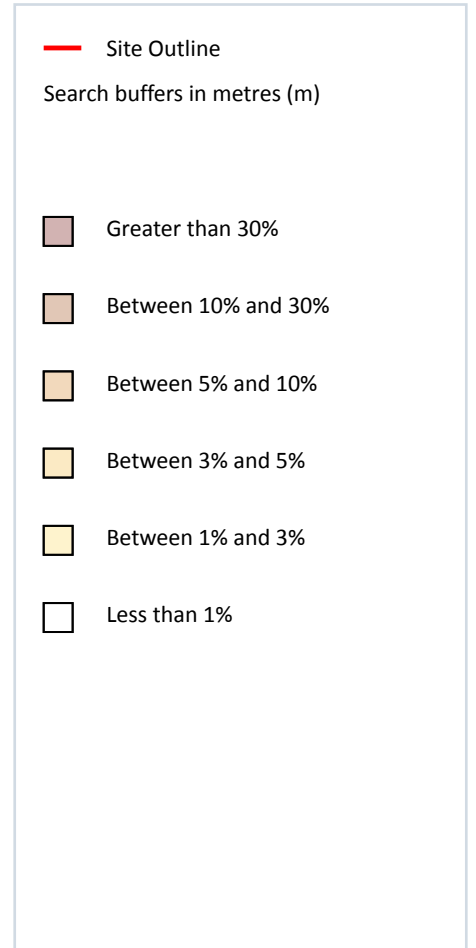
Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*





## 19 Radon



### 19.1 Radon

#### Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 120**

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None**

*This data is sourced from the British Geological Survey and Public Health England.*

## 20 Soil chemistry

### 20.1 BGS Estimated Background Soil Chemistry

Records within 50m

9

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
9m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
42m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

*This data is sourced from the British Geological Survey.*

### 20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*



## 20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 21 Railway infrastructure and projects

### 21.1 Underground railways (London)

Records within 250m 0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 21.2 Underground railways (Non-London)

Records within 250m 0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

*This data is sourced from publicly available information by Groundsure.*

### 21.3 Railway tunnels

Records within 250m 0

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

### 21.4 Historical railway and tunnel features

Records within 250m 0

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

*This data is sourced from Ordnance Survey/Groundsure.*

### 21.5 Royal Mail tunnels

Records within 250m 0

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.



*This data is sourced from Groundsure/the Postal Museum.*

## 21.6 Historical railways

**Records within 250m**

**0**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*

## 21.7 Railways

**Records within 250m**

**0**

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 21.8 Crossrail 1

**Records within 500m**

**0**

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

*This data is sourced from publicly available information by Groundsure.*

## 21.9 Crossrail 2

**Records within 500m**

**0**

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 21.10 HS2

**Records within 500m**

**0**

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

*This data is sourced from HS2 Ltd.*





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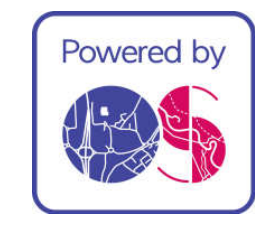
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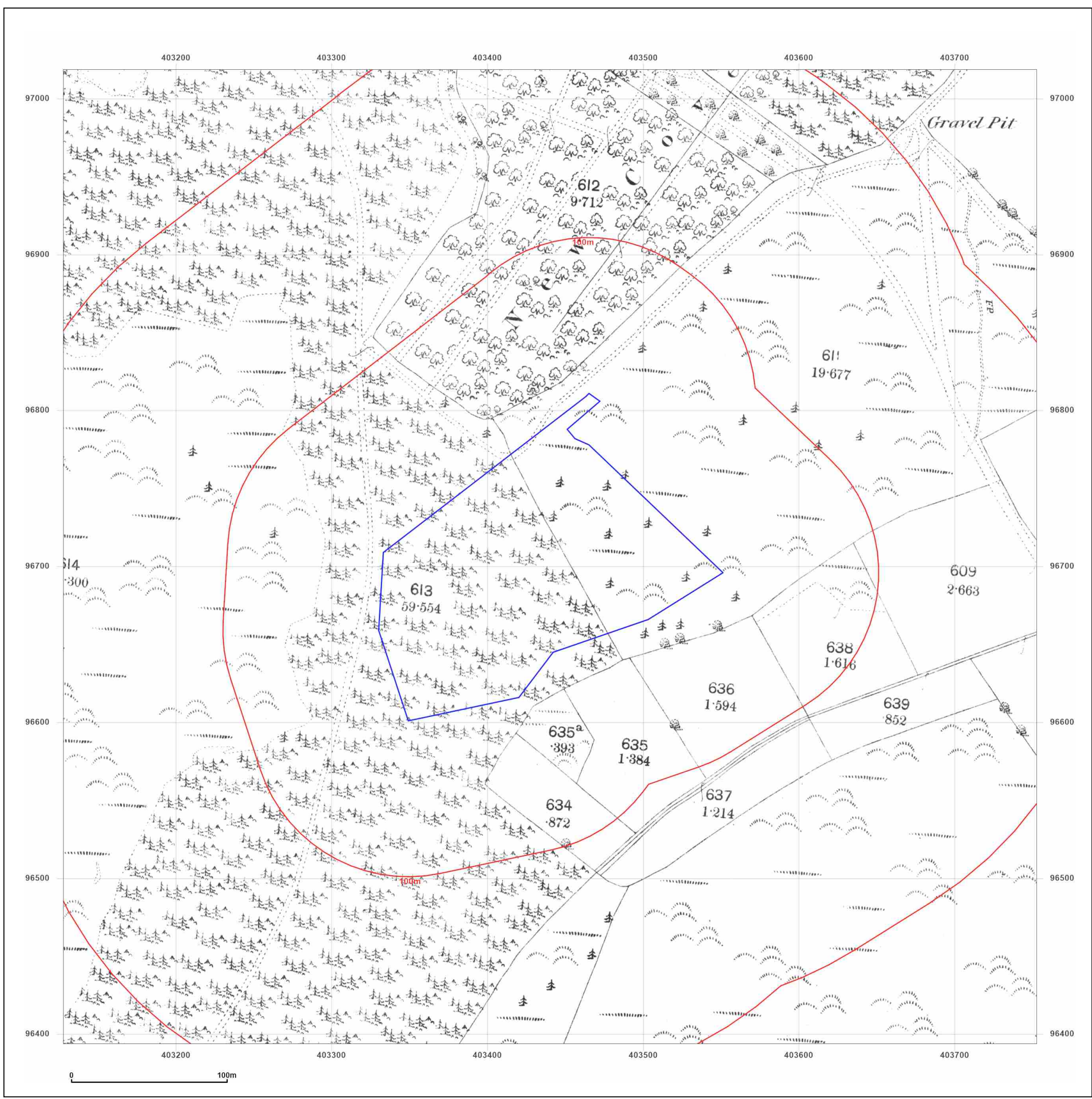


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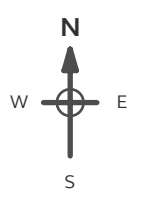




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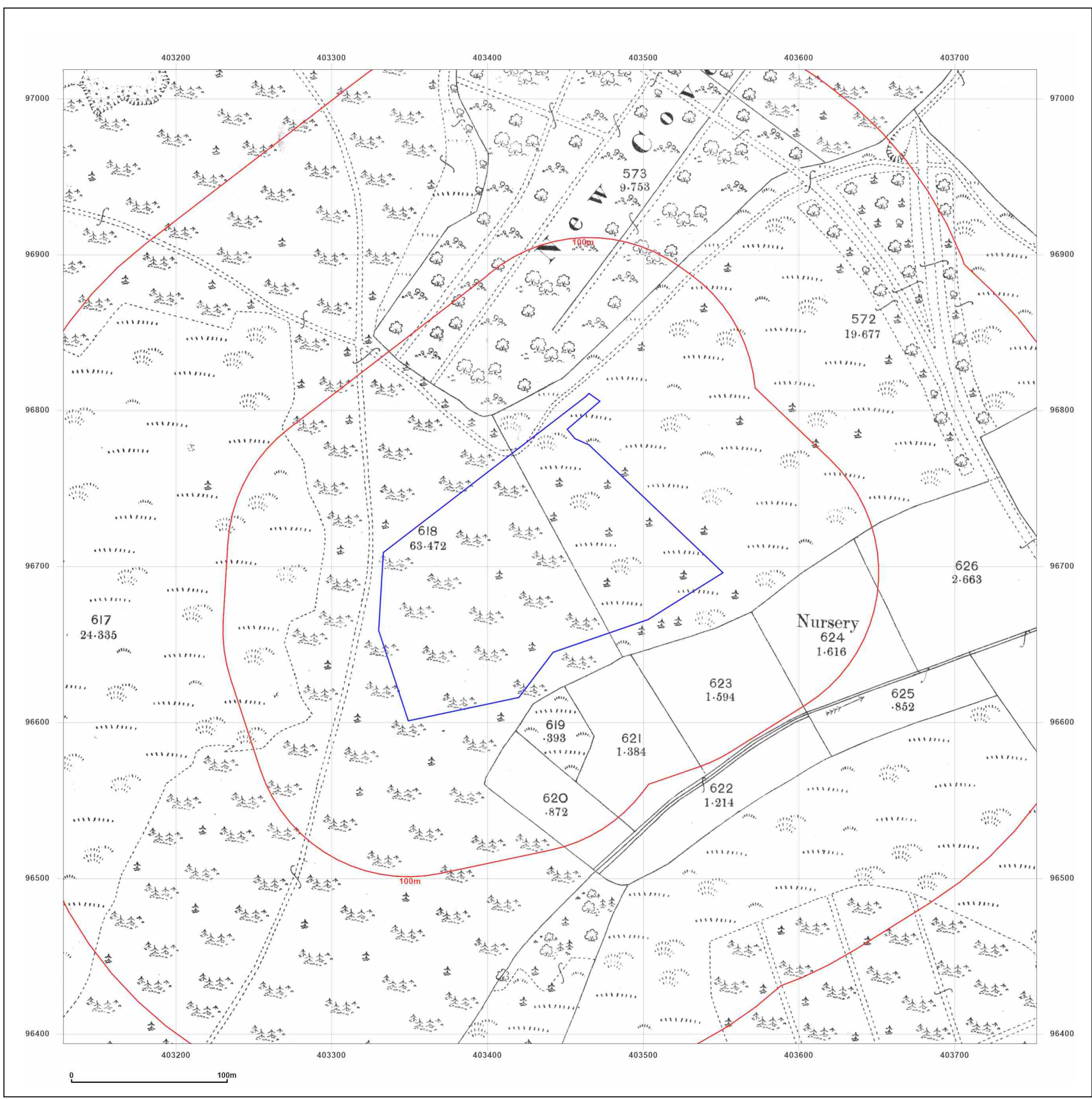
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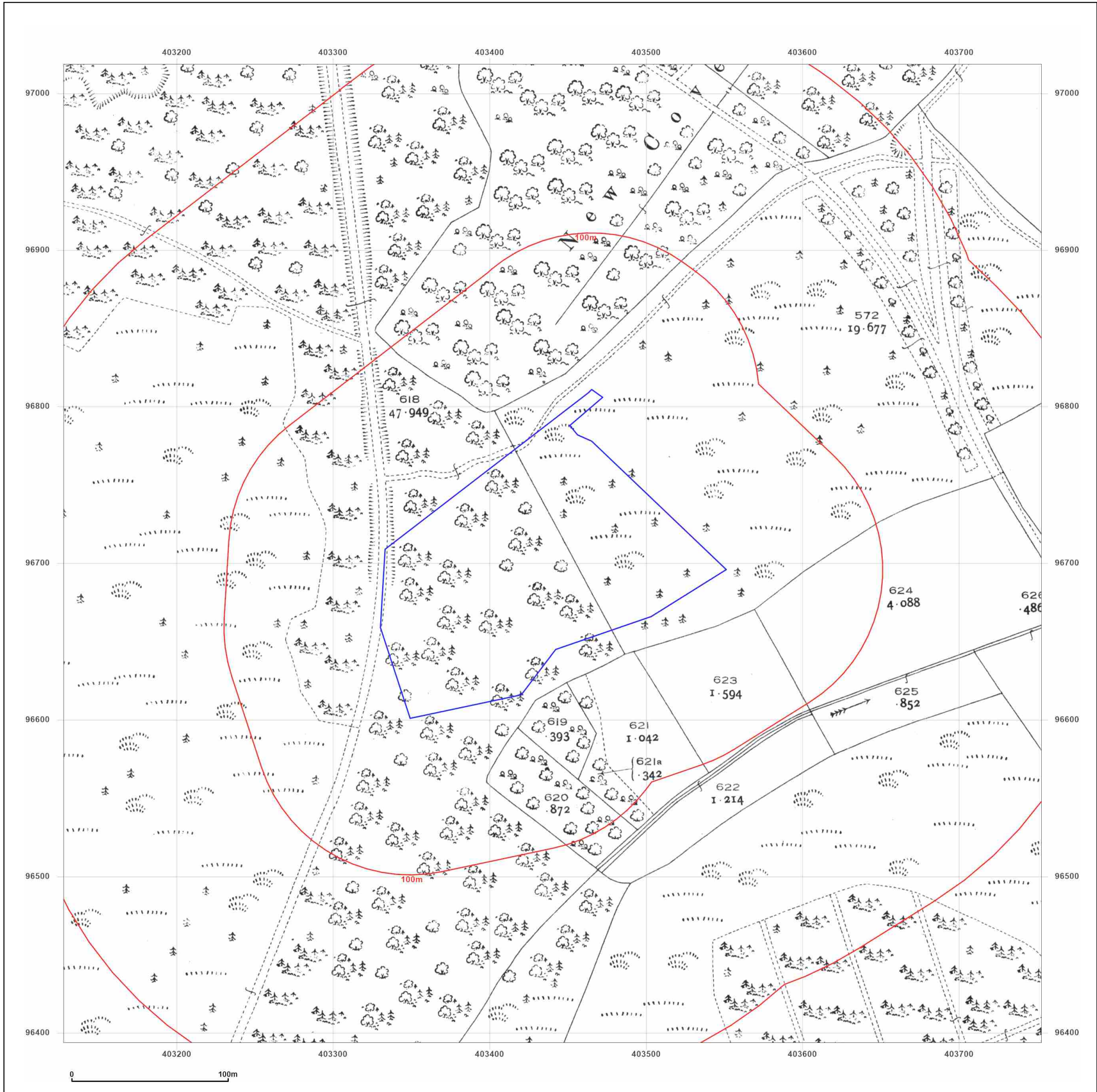
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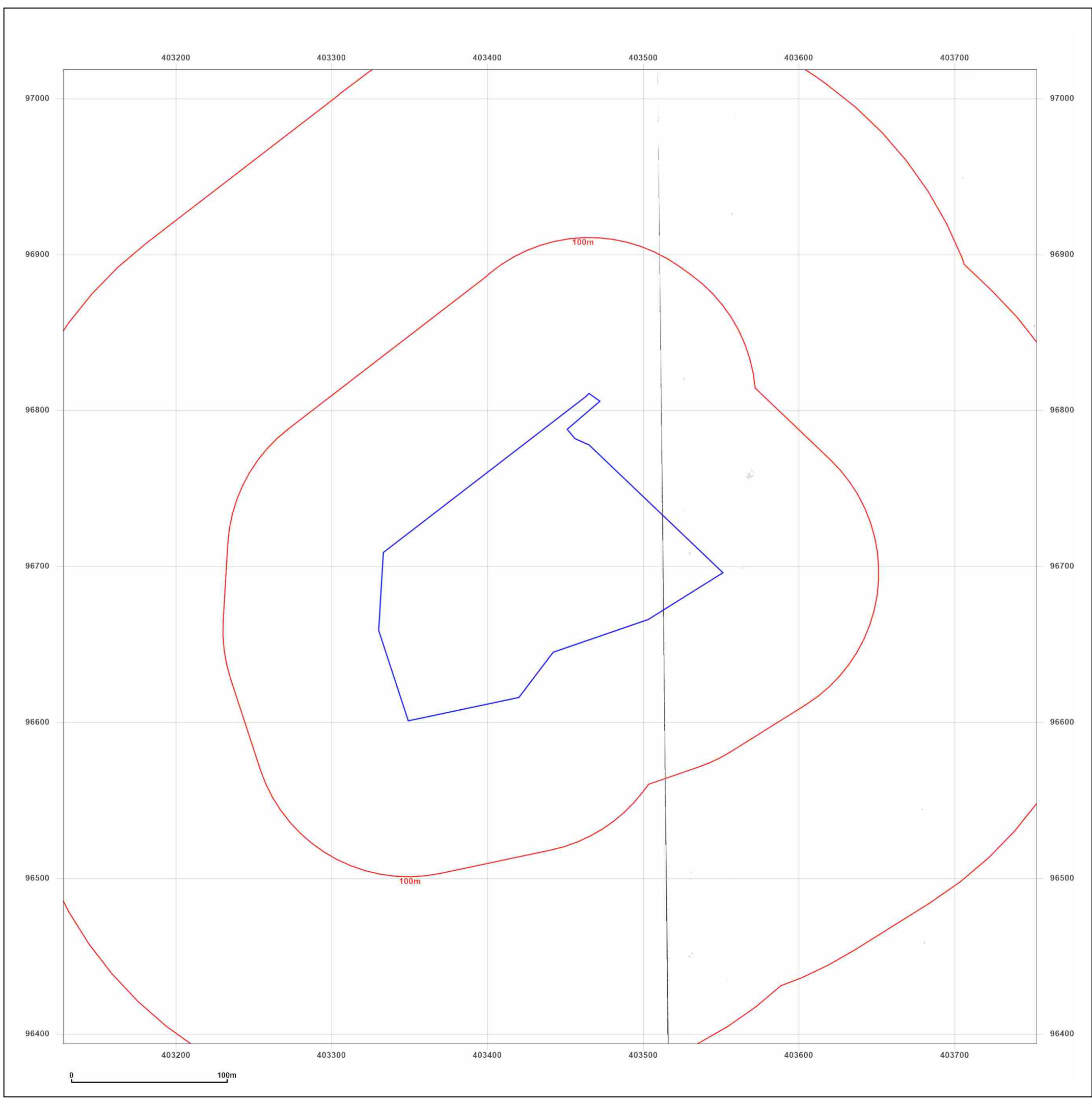
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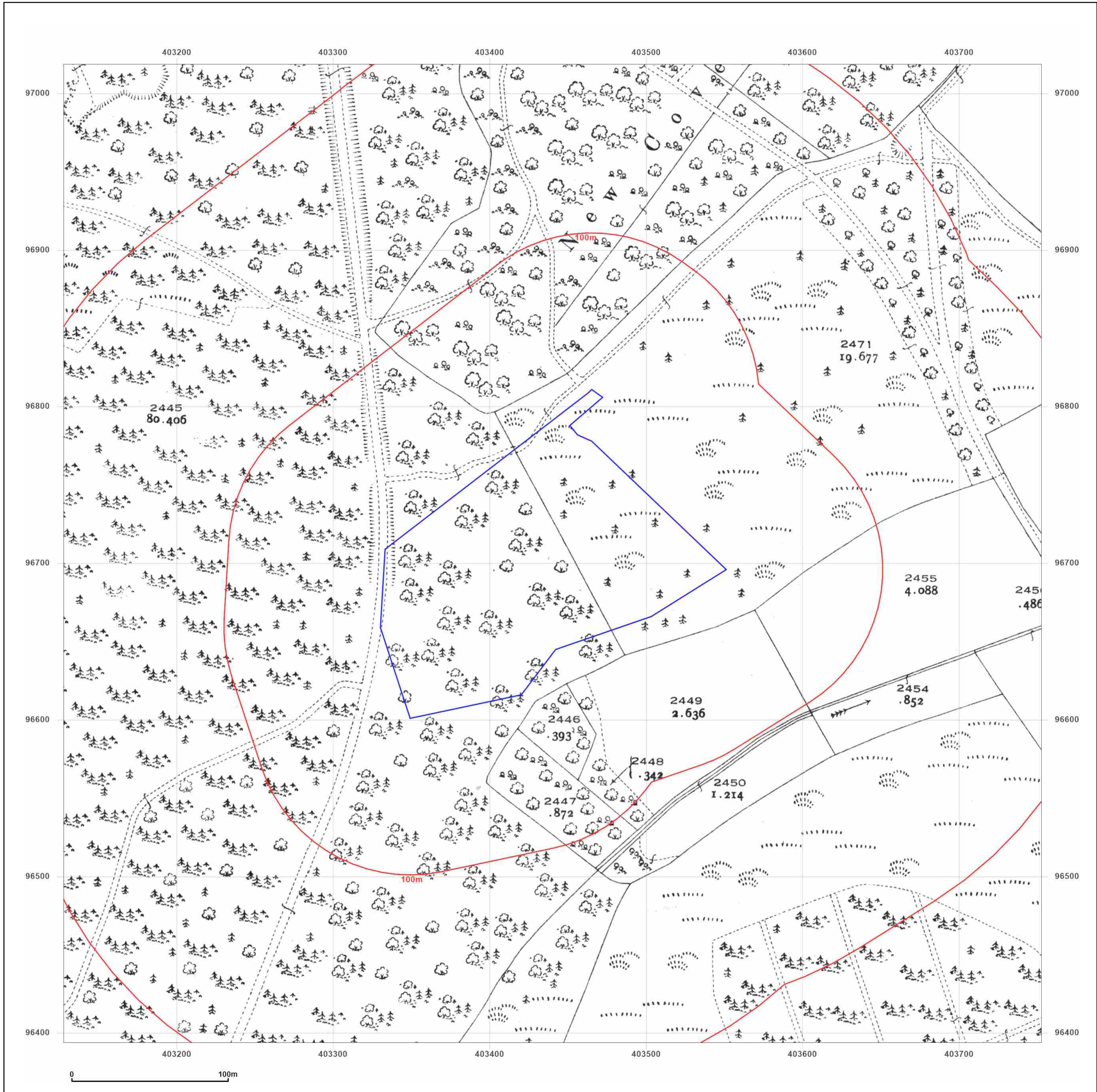


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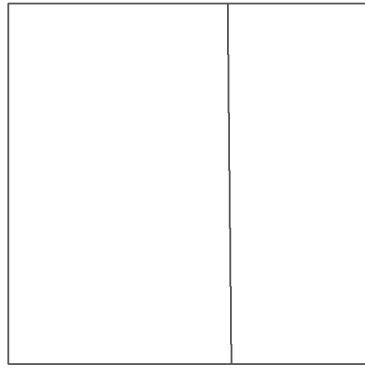
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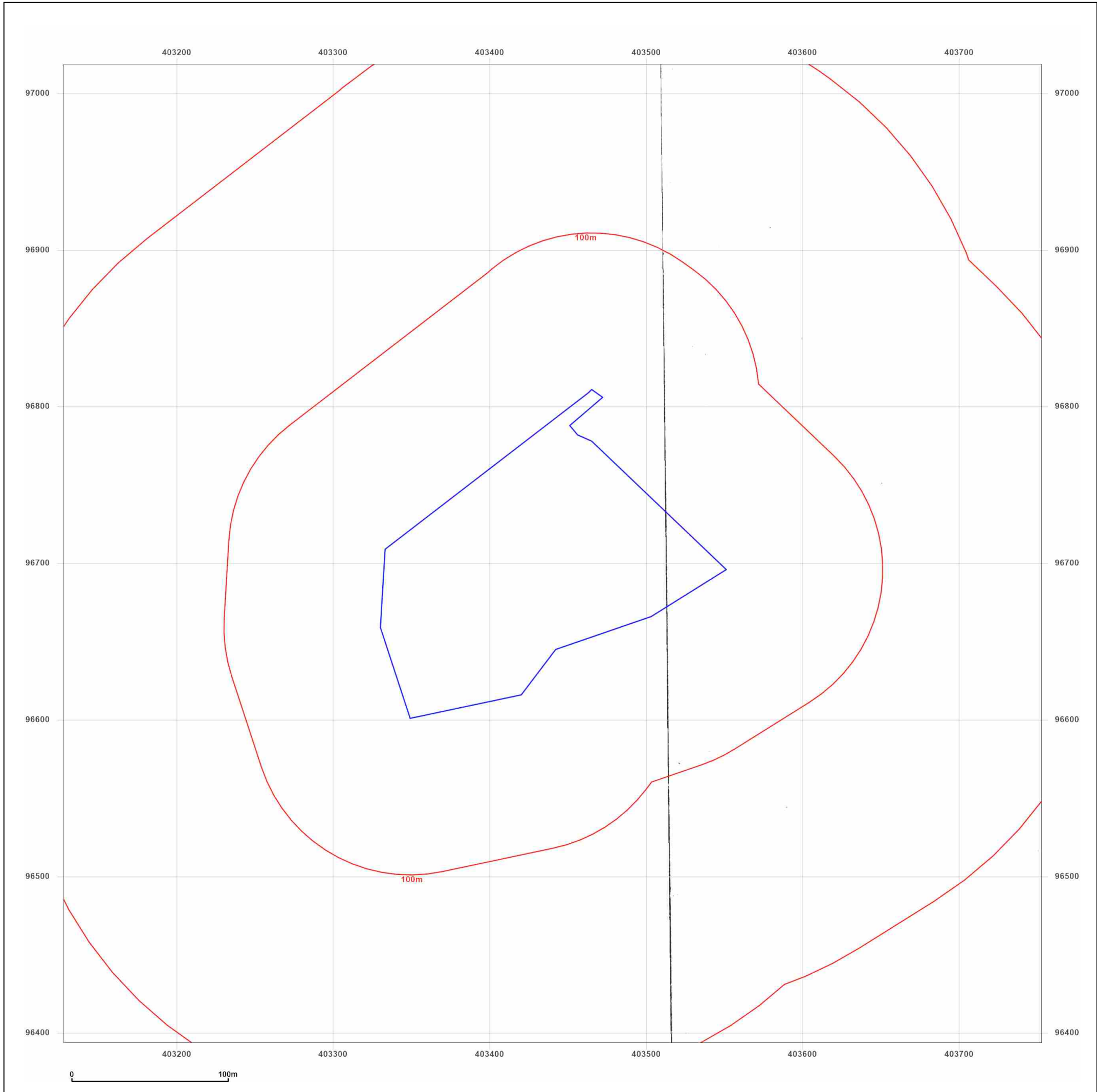
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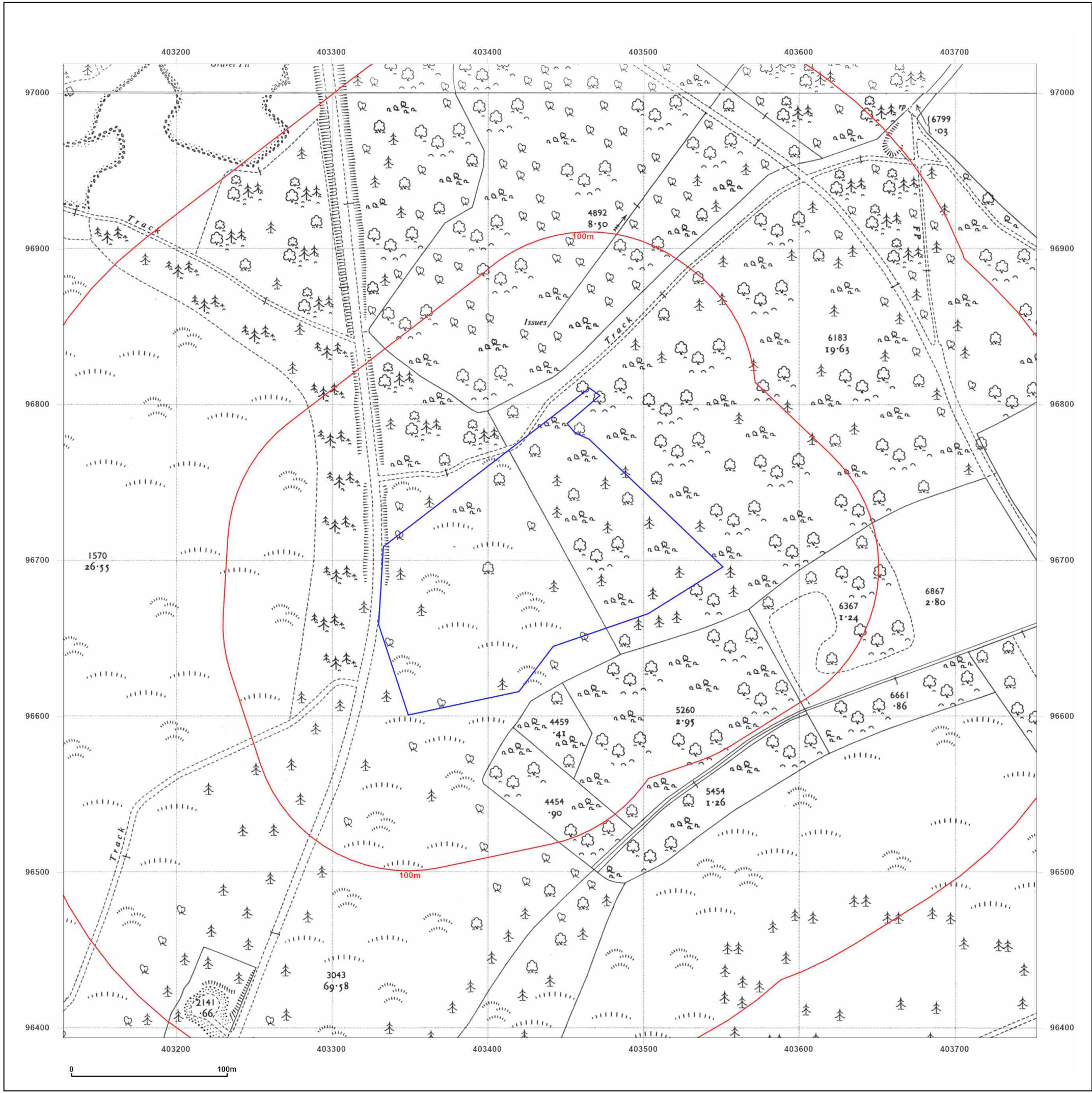


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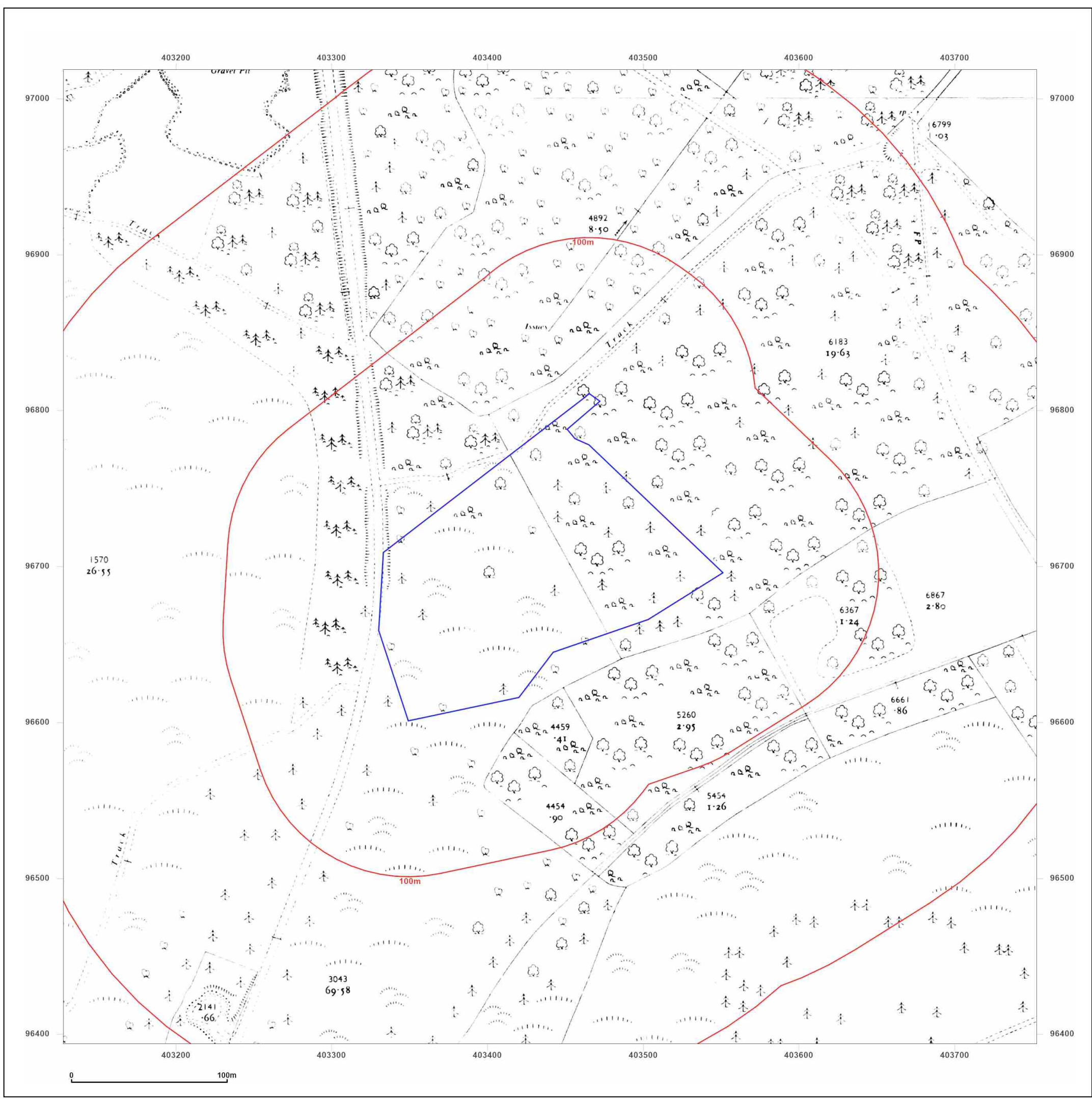


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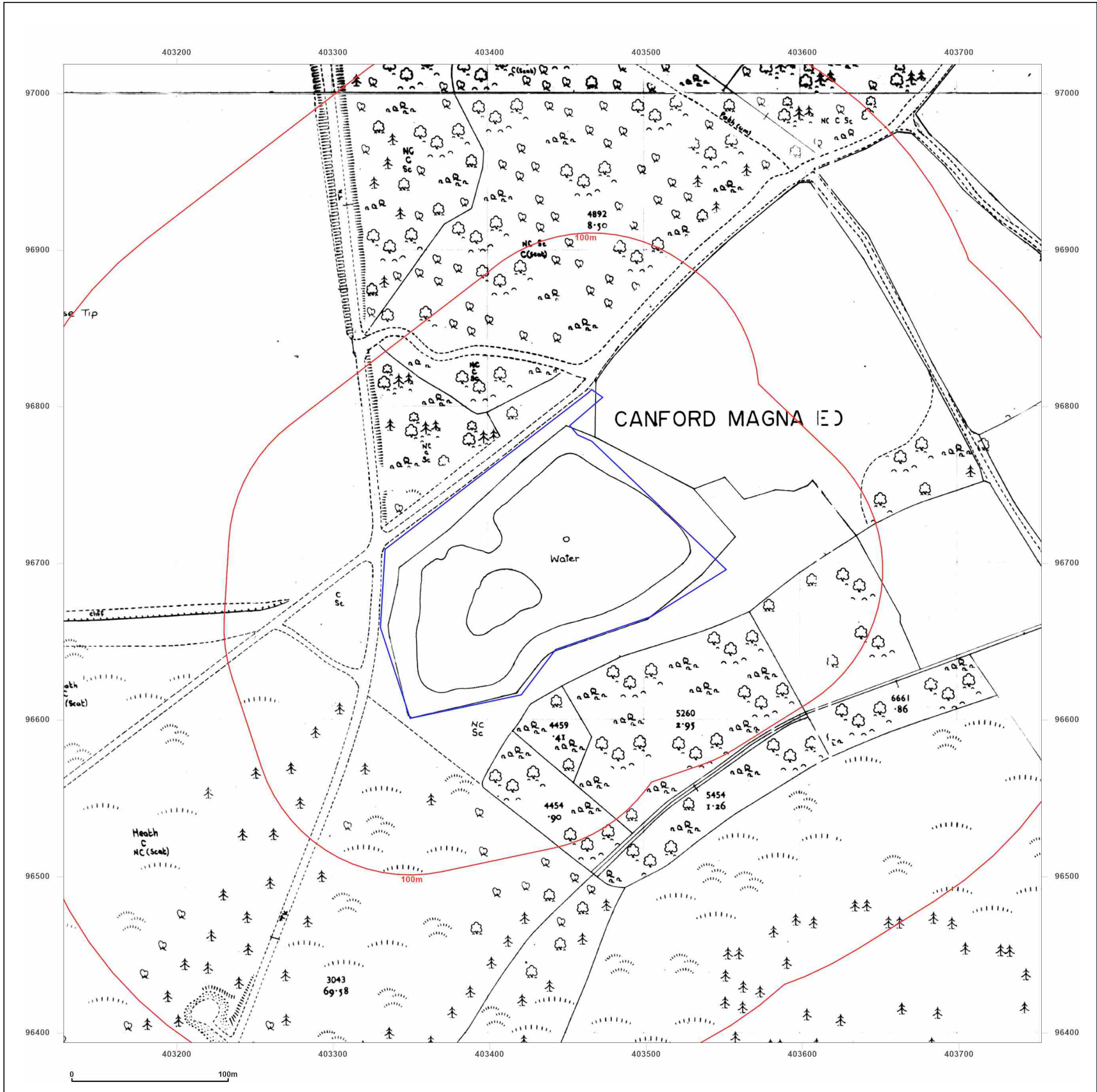


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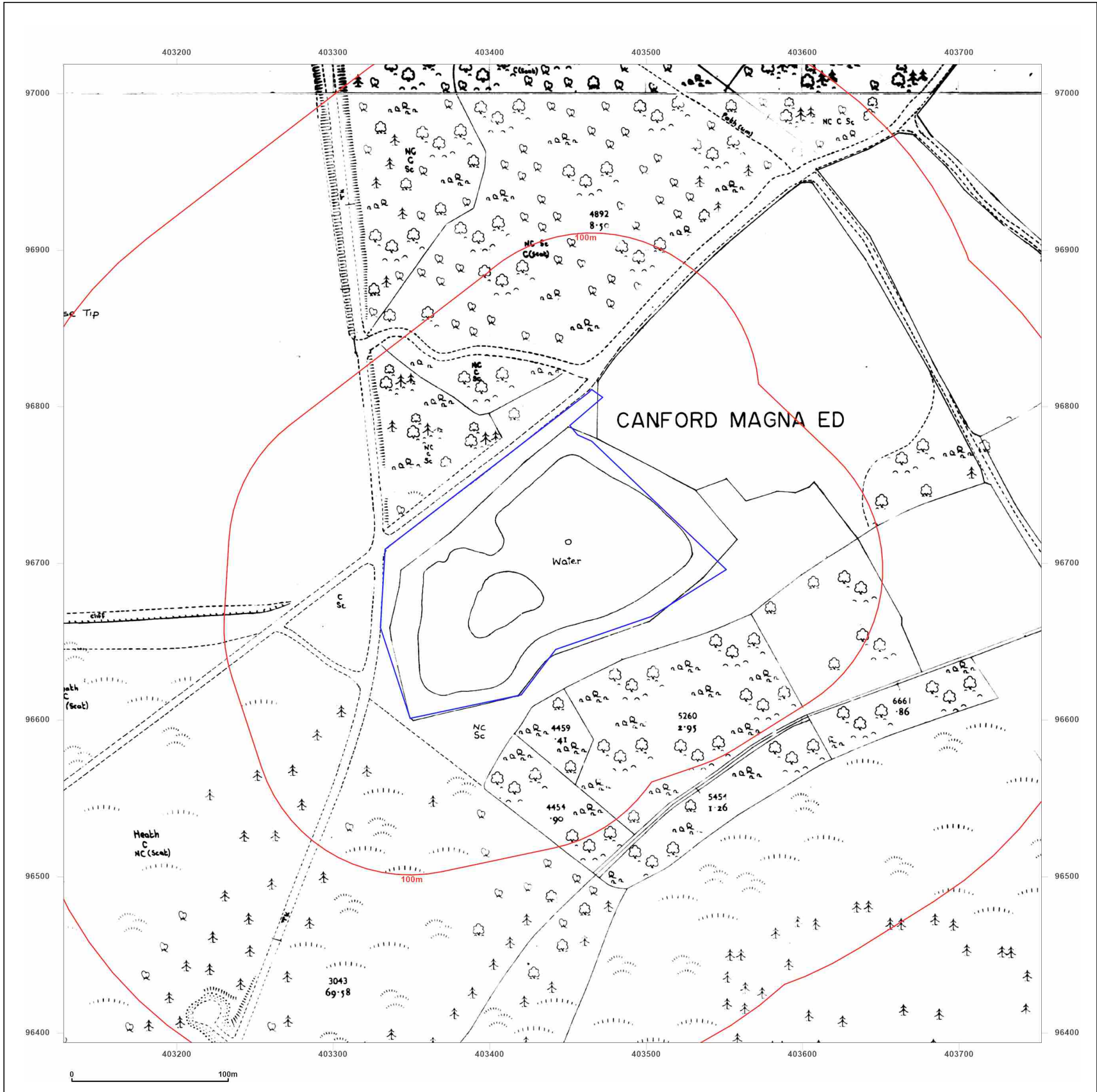
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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1993  
Revised N/A  
Edition N/A  
Copyright 1993  
Levelled N/A

Surveyed 1993  
Revised 1993  
Edition N/A  
Copyright N/A  
Levelled N/A

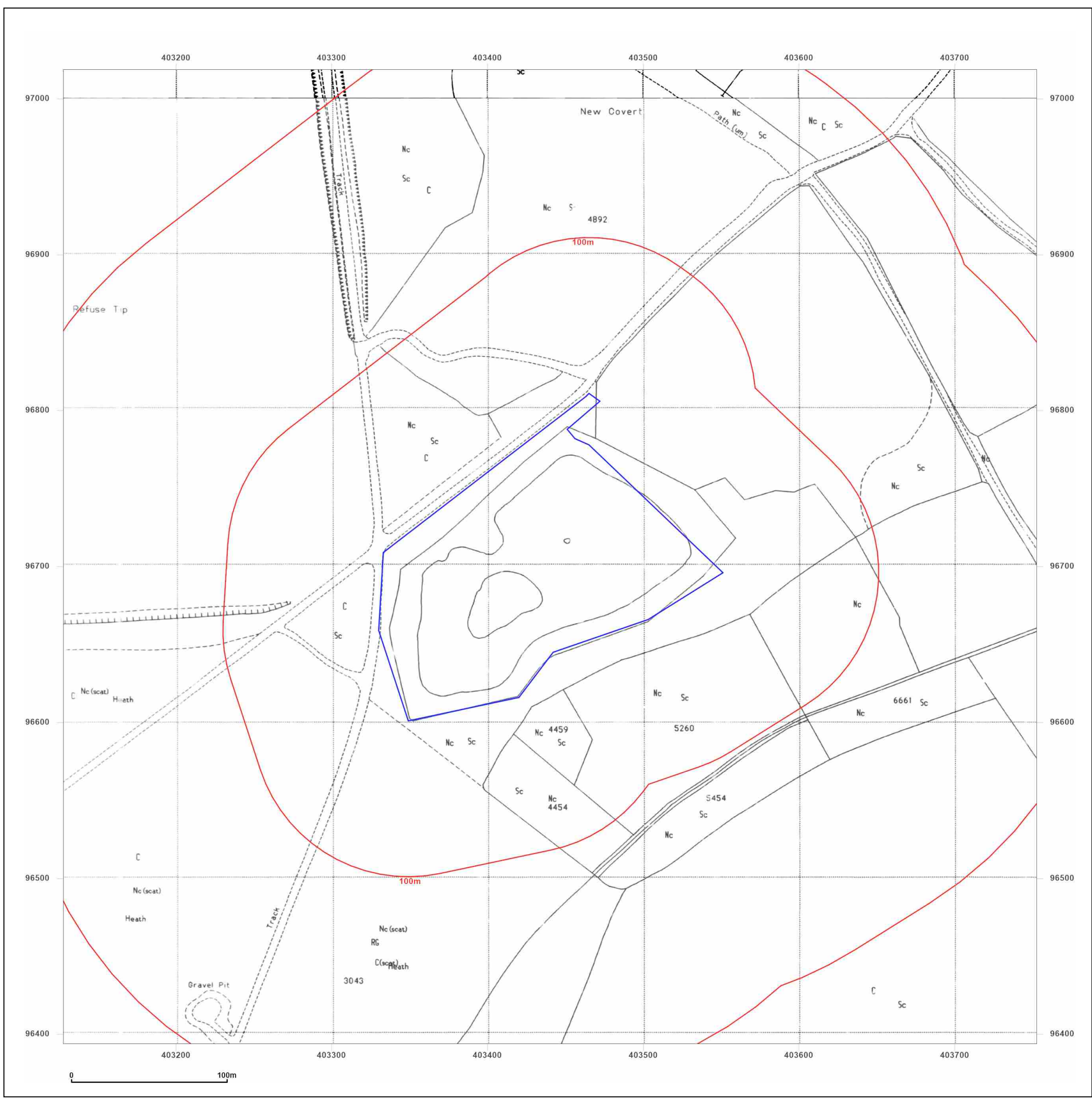


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**Site Details:**

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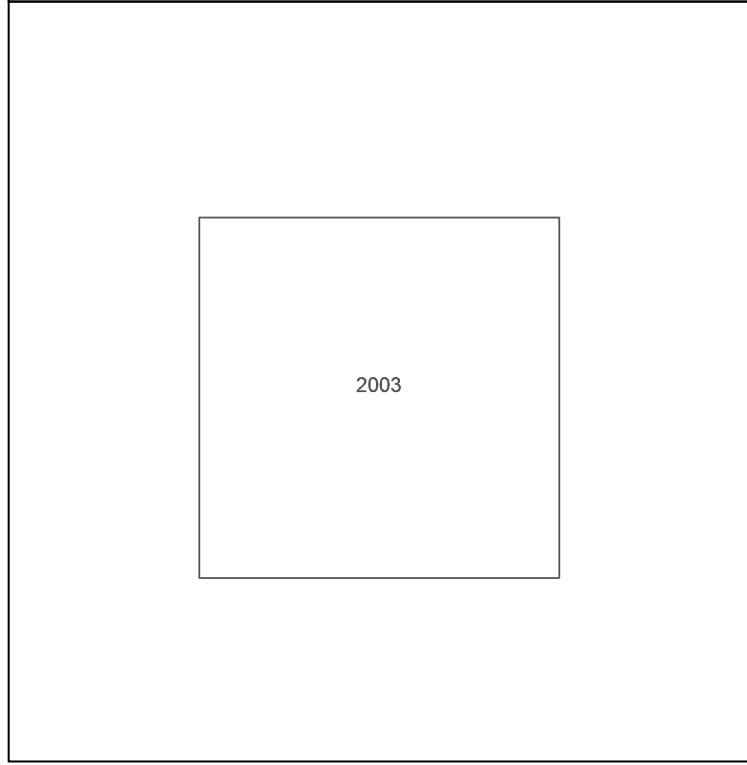
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**Map date:** 2003

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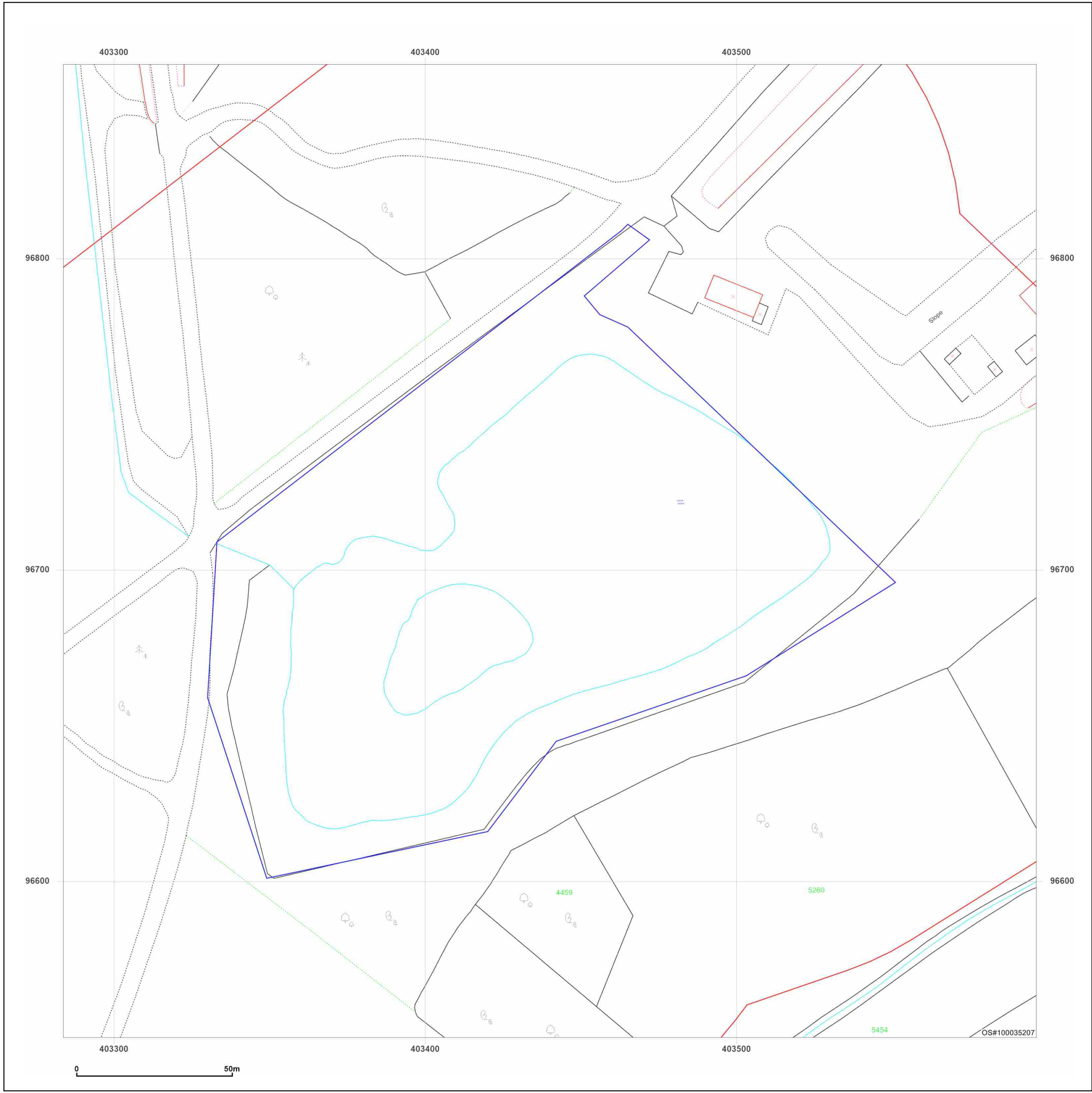


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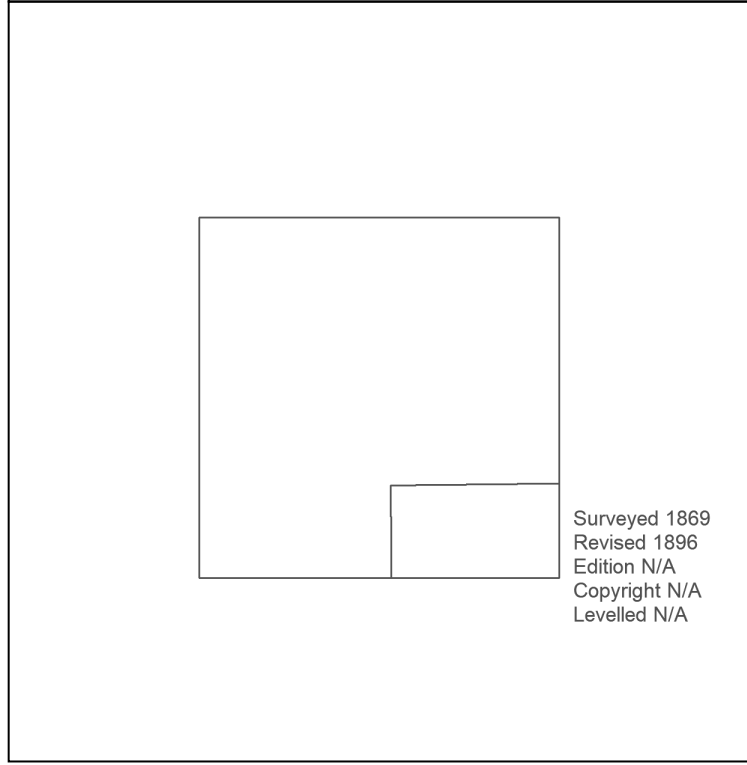
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**Map Name:** County Series

**Map date:** 1896

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1869  
Revised 1896  
Edition N/A  
Copyright N/A  
Levelled N/A

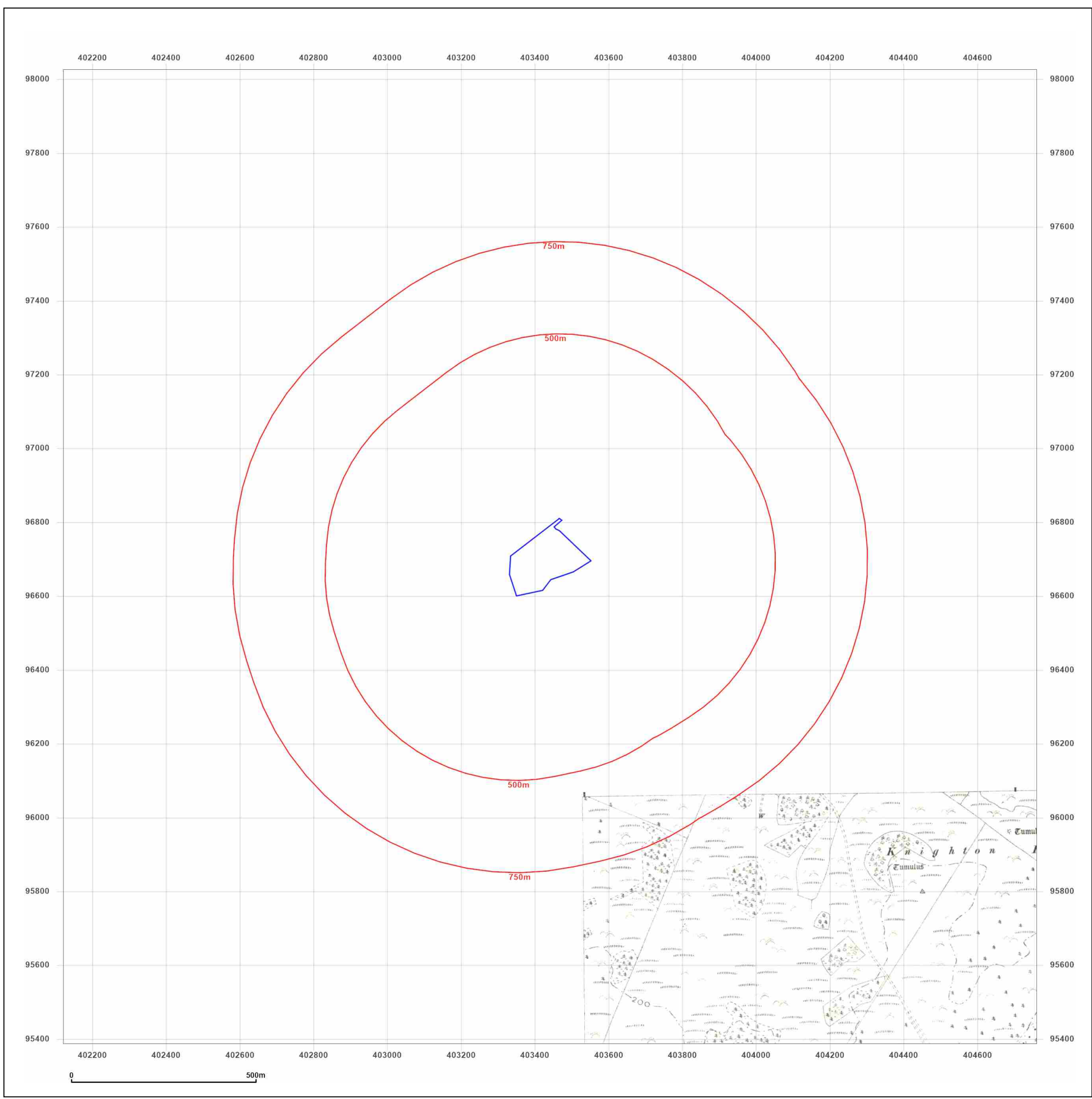


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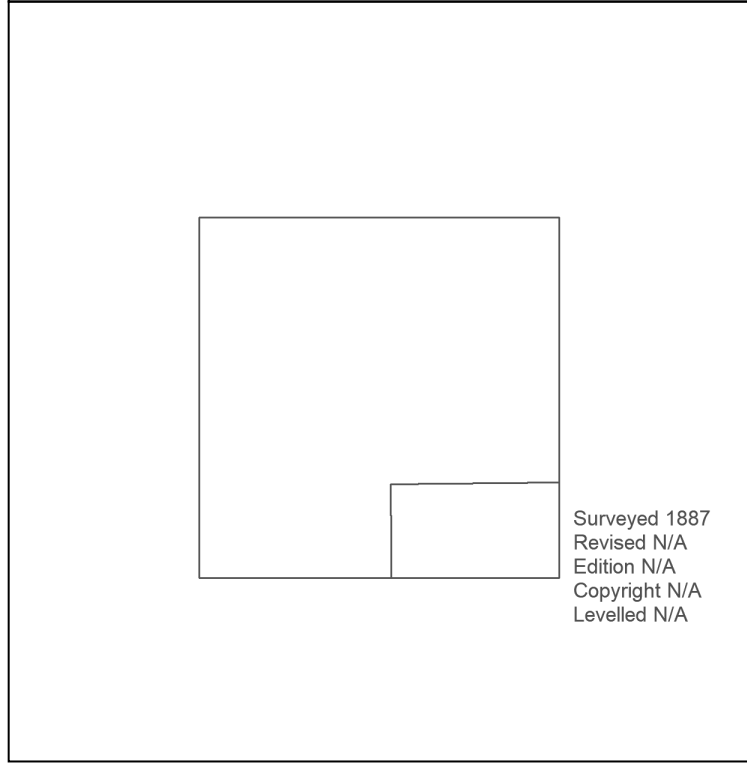
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**Map Name:** County Series

**Map date:** 1899

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1887  
Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

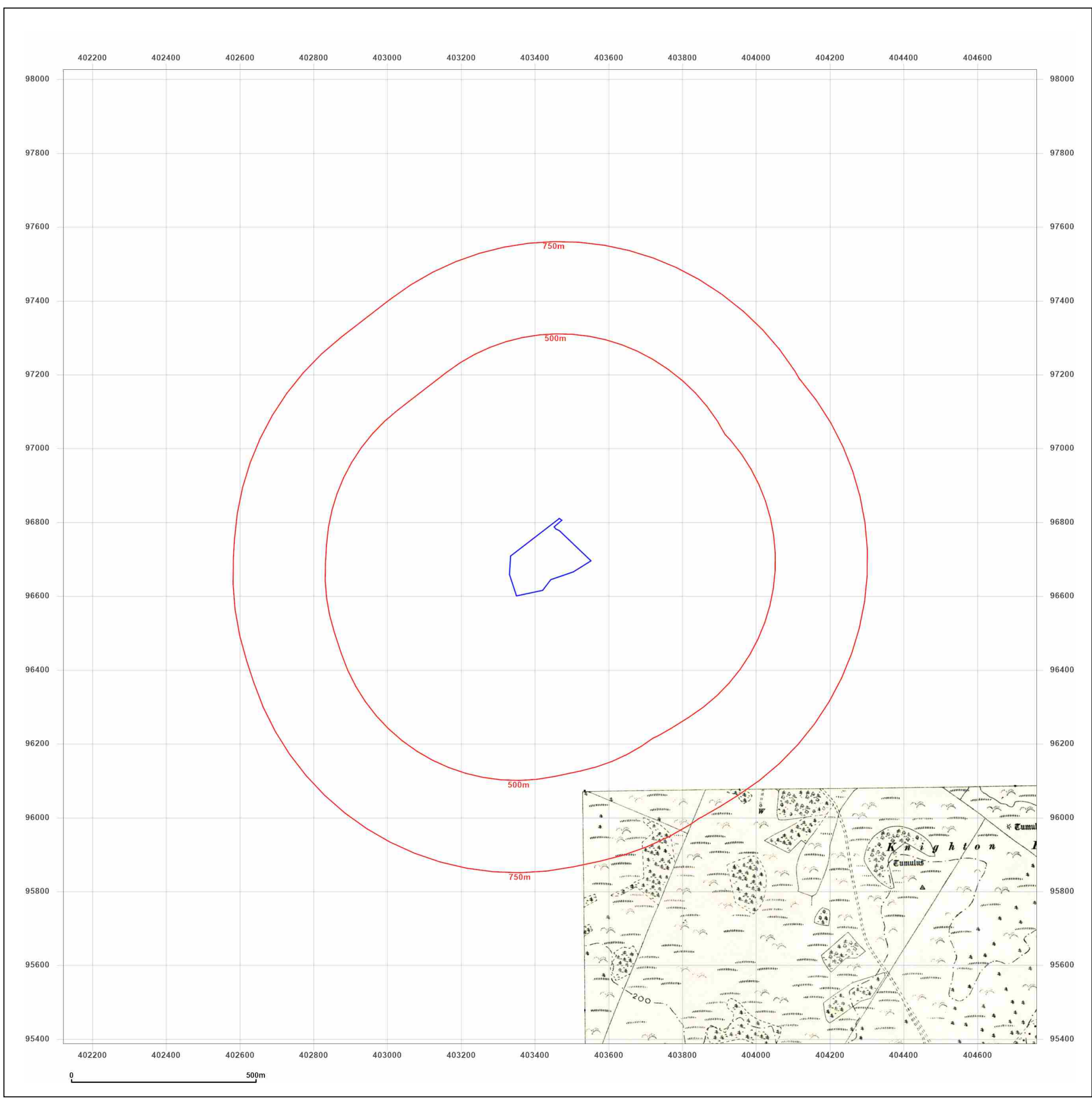


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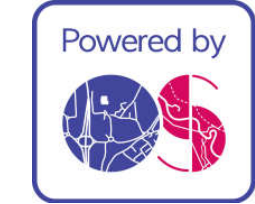
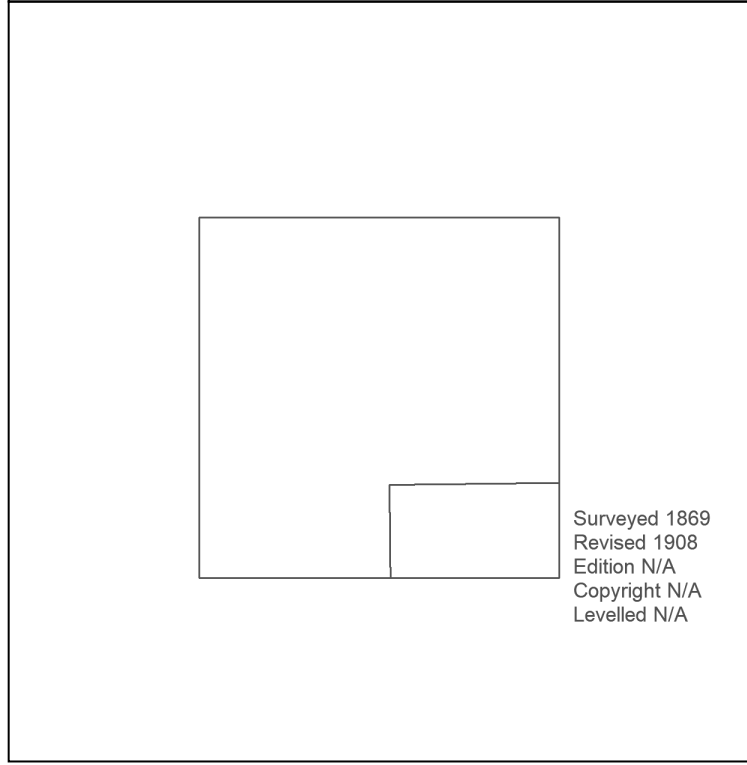
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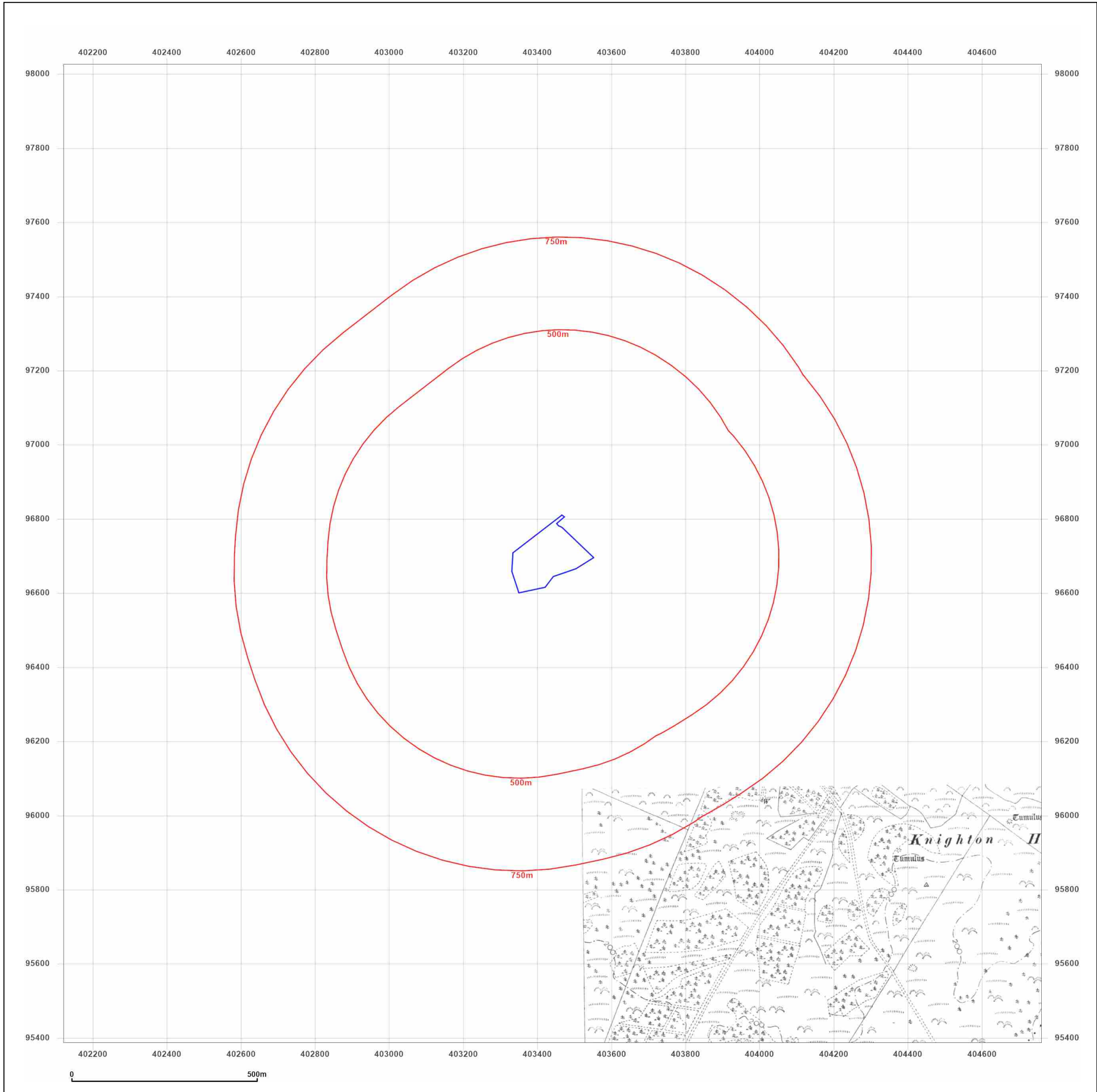


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

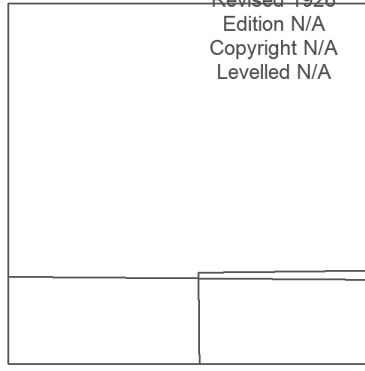
**Map date:** 1923-1926

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1886  
Revised 1926  
Edition N/A  
Copyright N/A  
Levelled N/A



Surveyed 1869  
Revised 1923  
Edition N/A  
Copyright N/A  
Levelled N/A

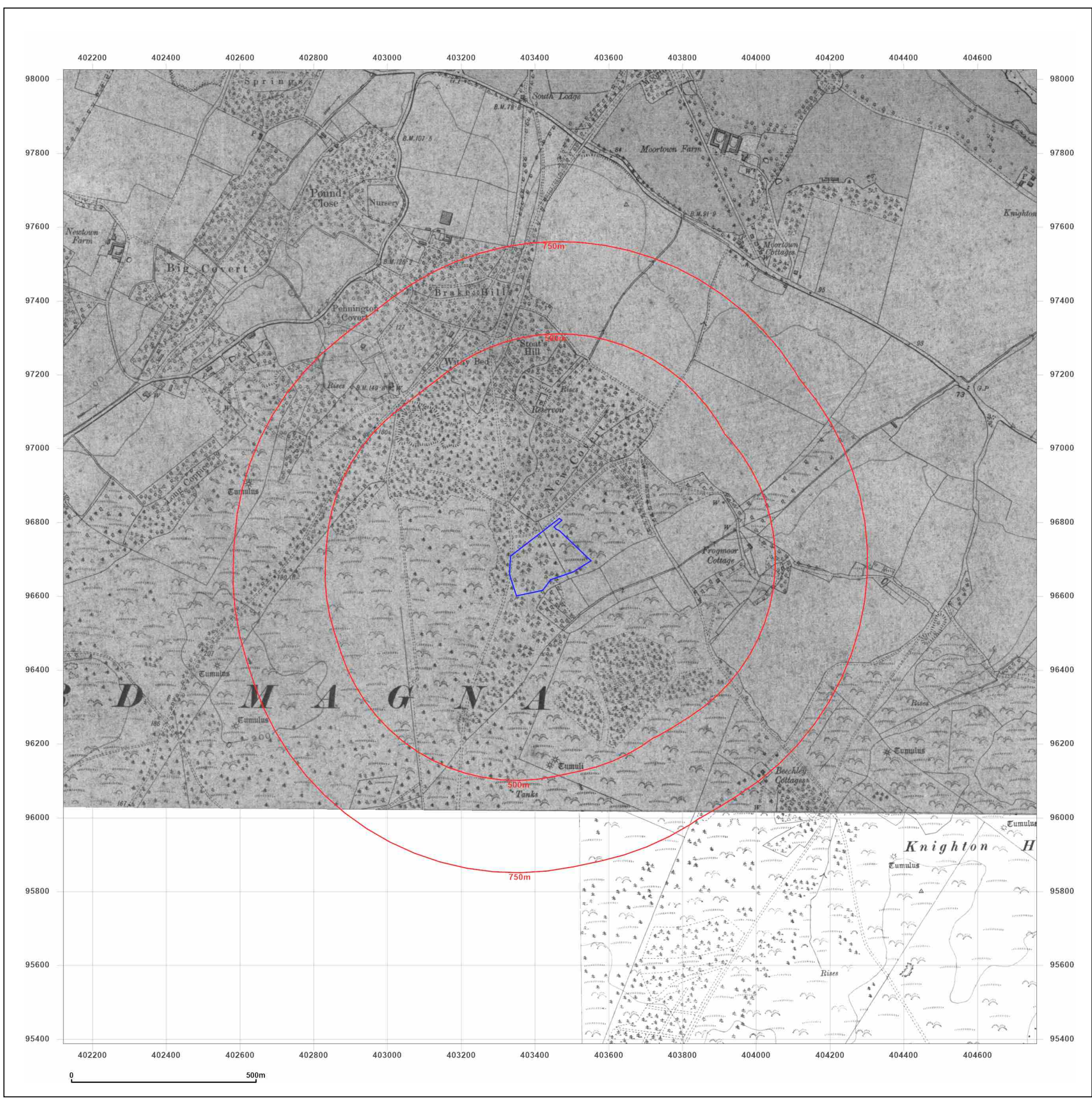


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**Map Name:** County Series

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**Printed at:** 1:10,560



Surveyed 1886  
Revised 1926  
Edition N/A  
Copyright N/A  
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Surveyed 1886  
Revised 1923  
Edition N/A  
Copyright N/A  
Levelled N/A

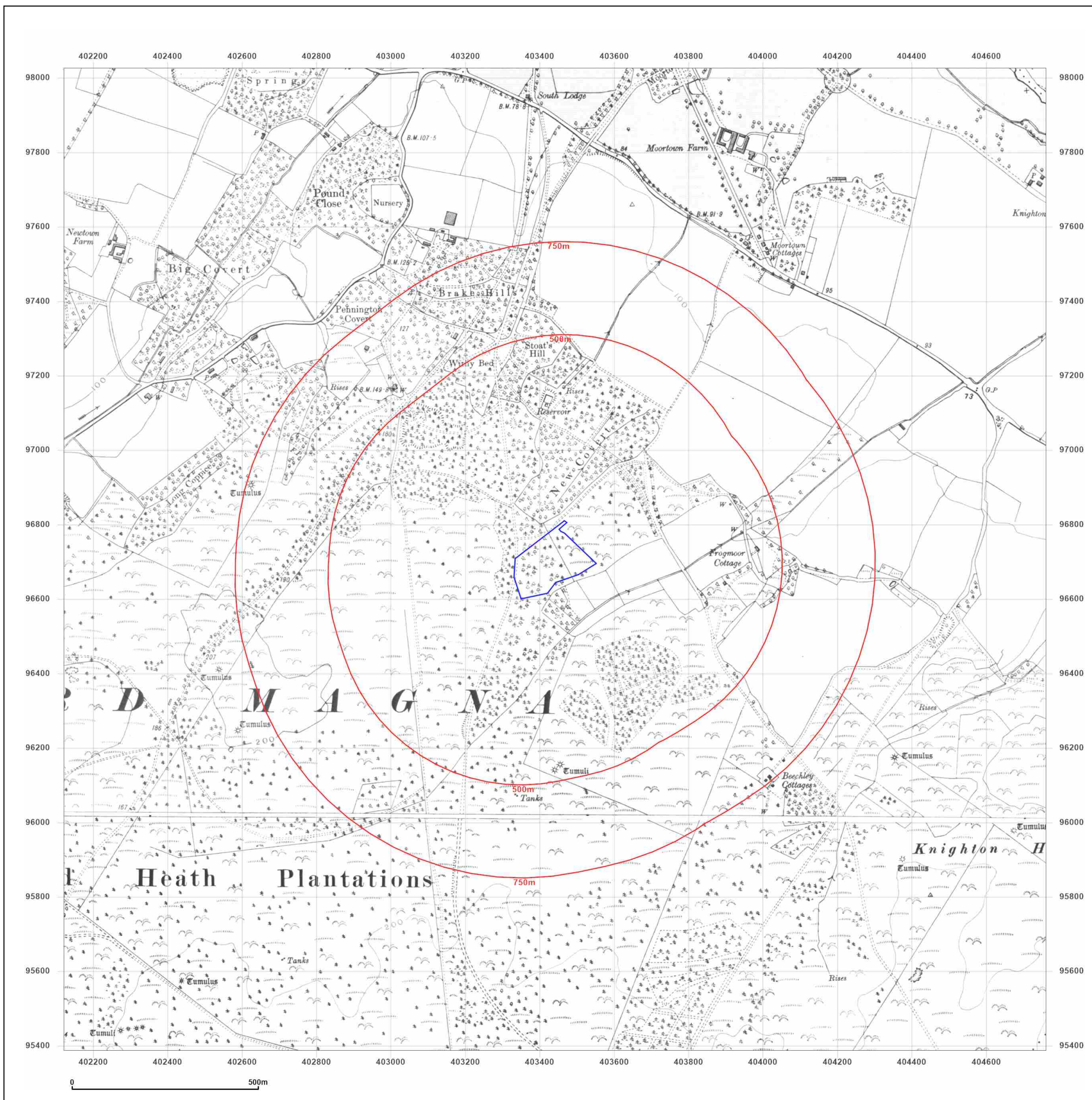


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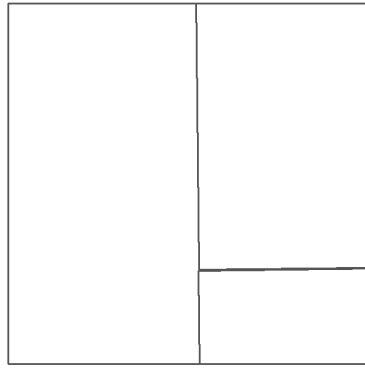
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**Map date:** 1932

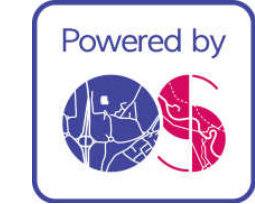
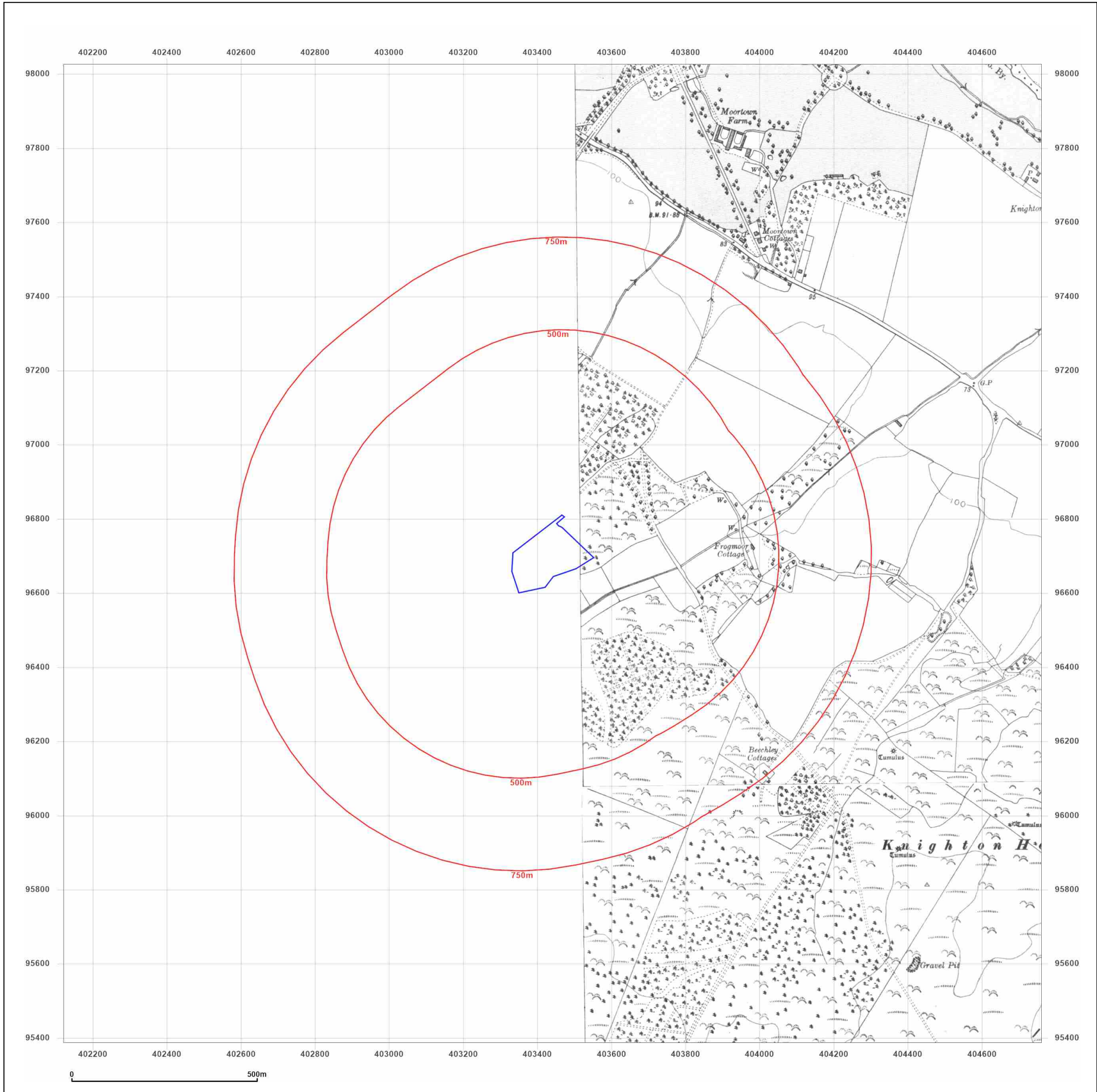
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Surveyed 1886  
Revised 1932  
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Levelled N/A

Surveyed 1869  
Revised 1932  
Edition N/A  
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**Map Name:** County Series

**Map date:** 1932-1934

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1886  
Revised 1934  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1887  
Revised 1932  
Edition N/A  
Copyright N/A  
Levelled N/A

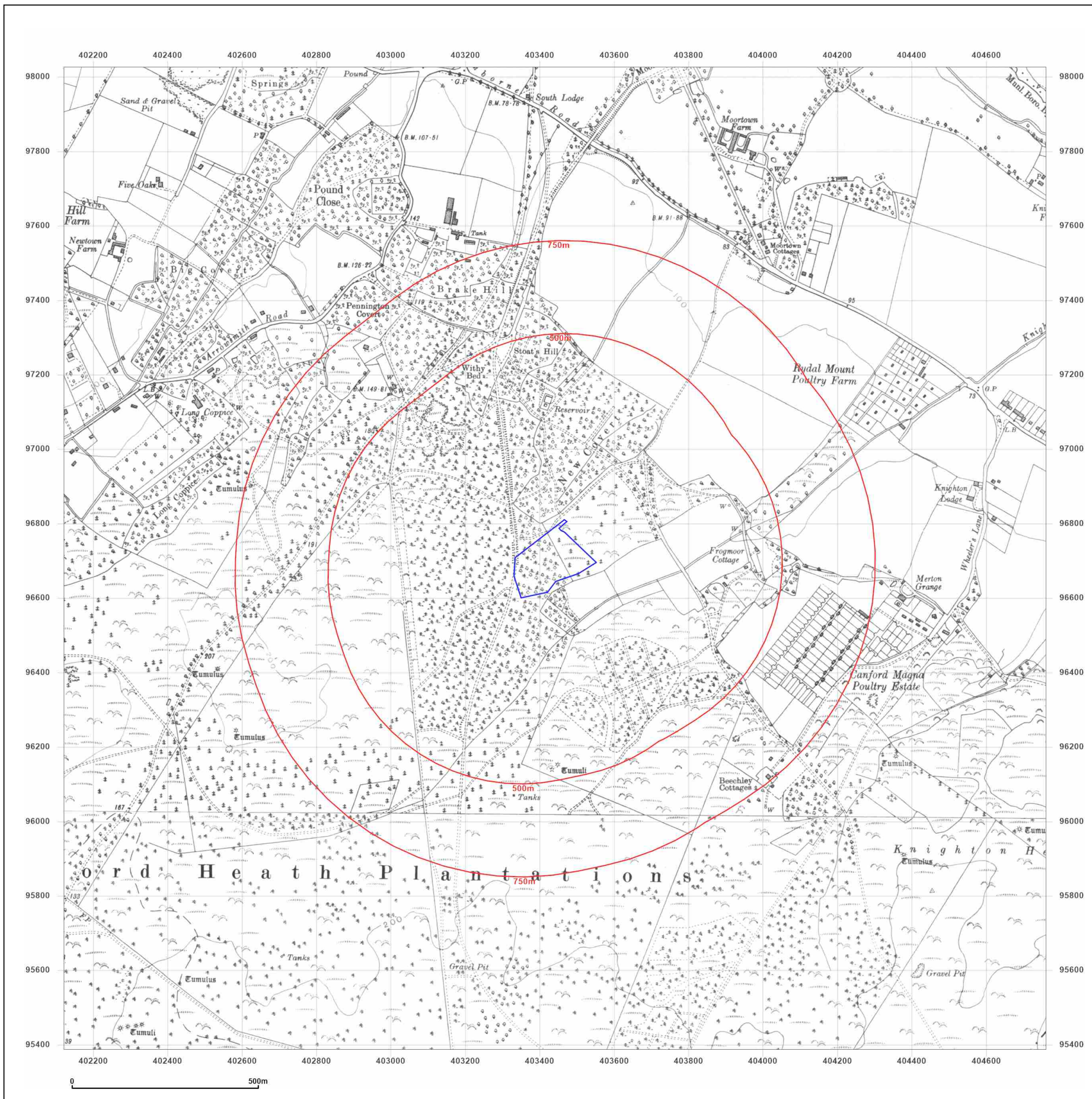


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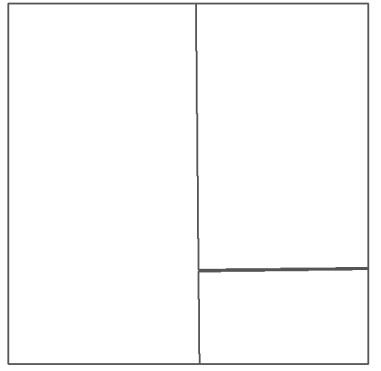
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**Map Name:** County Series

**Map date:** 1938

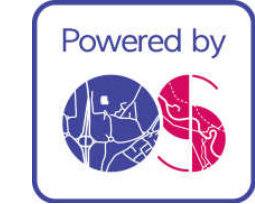
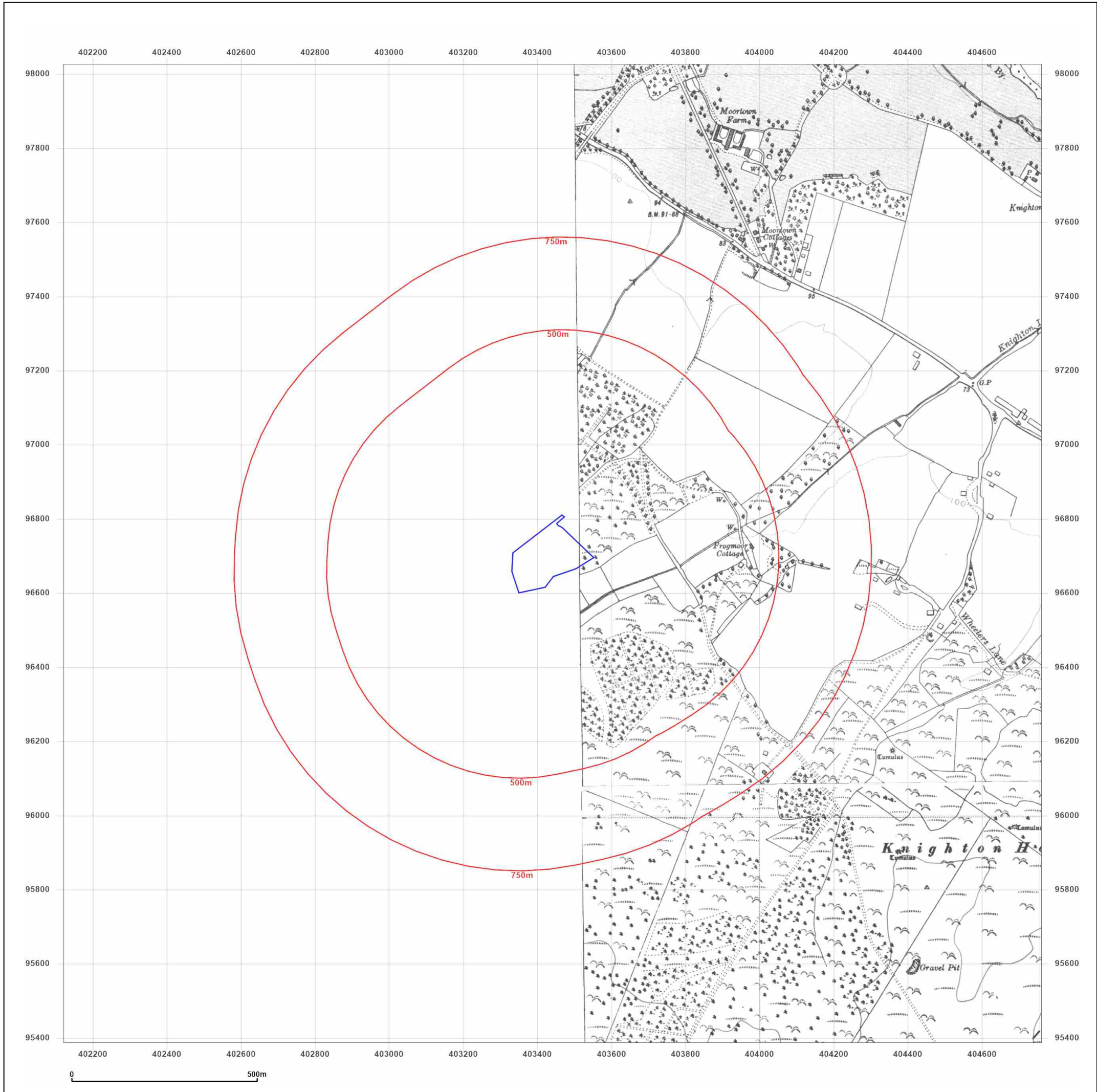
**Scale:** 1:10,560

**Printed at:** 1:10,560

Surveyed 1886  
Revised 1938  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1869  
Revised 1938  
Edition 1938  
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**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1938

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1886  
Revised 1938  
Edition 1938  
Copyright N/A  
Levelled N/A

Surveyed 1869  
Revised 1938  
Edition N/A  
Copyright N/A  
Levelled N/A

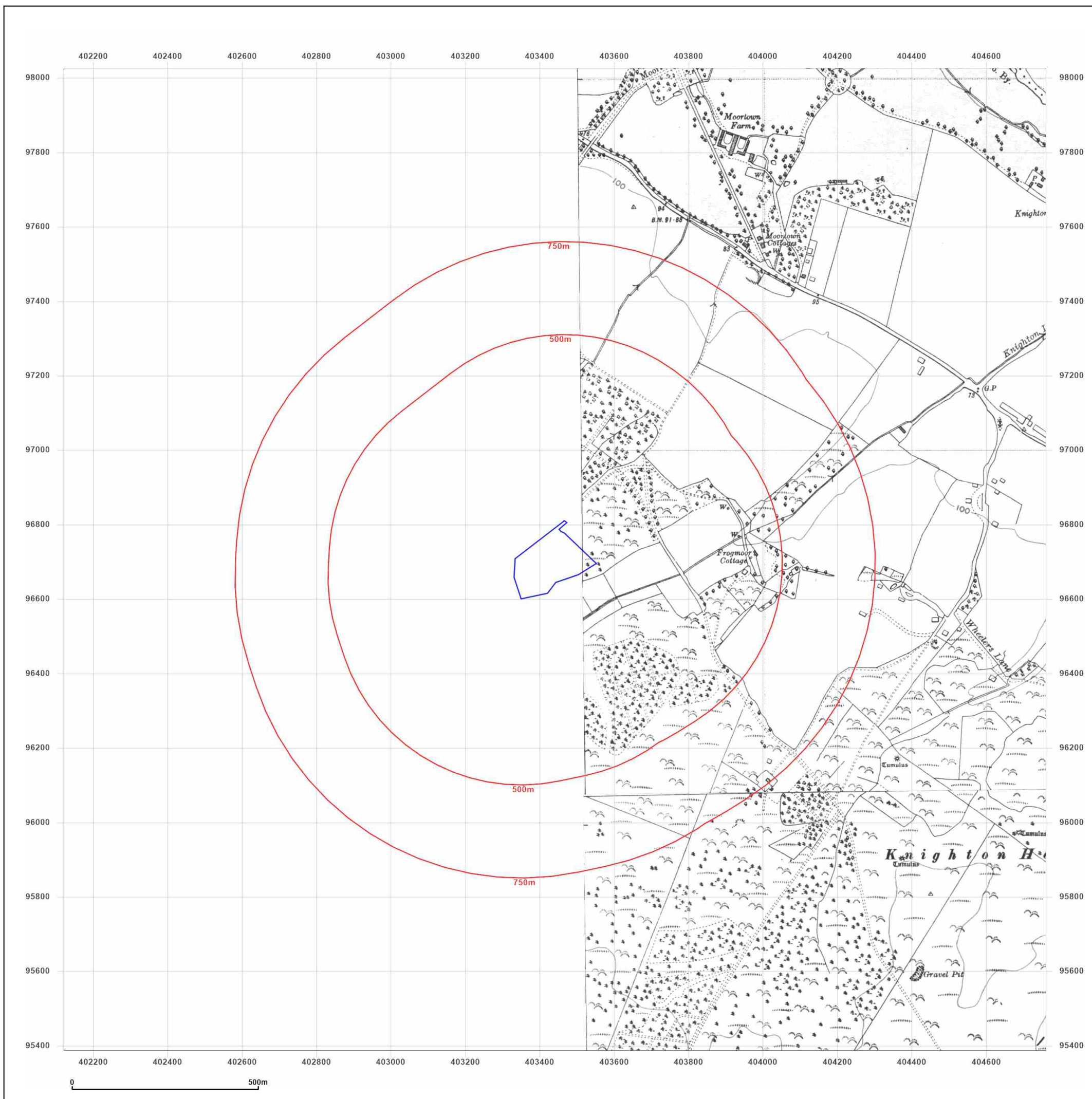


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**Map date:** 1938-1940

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Surveyed 1886  
Revised 1940  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1887  
Revised 1938  
Edition N/A  
Copyright N/A  
Levelled N/A

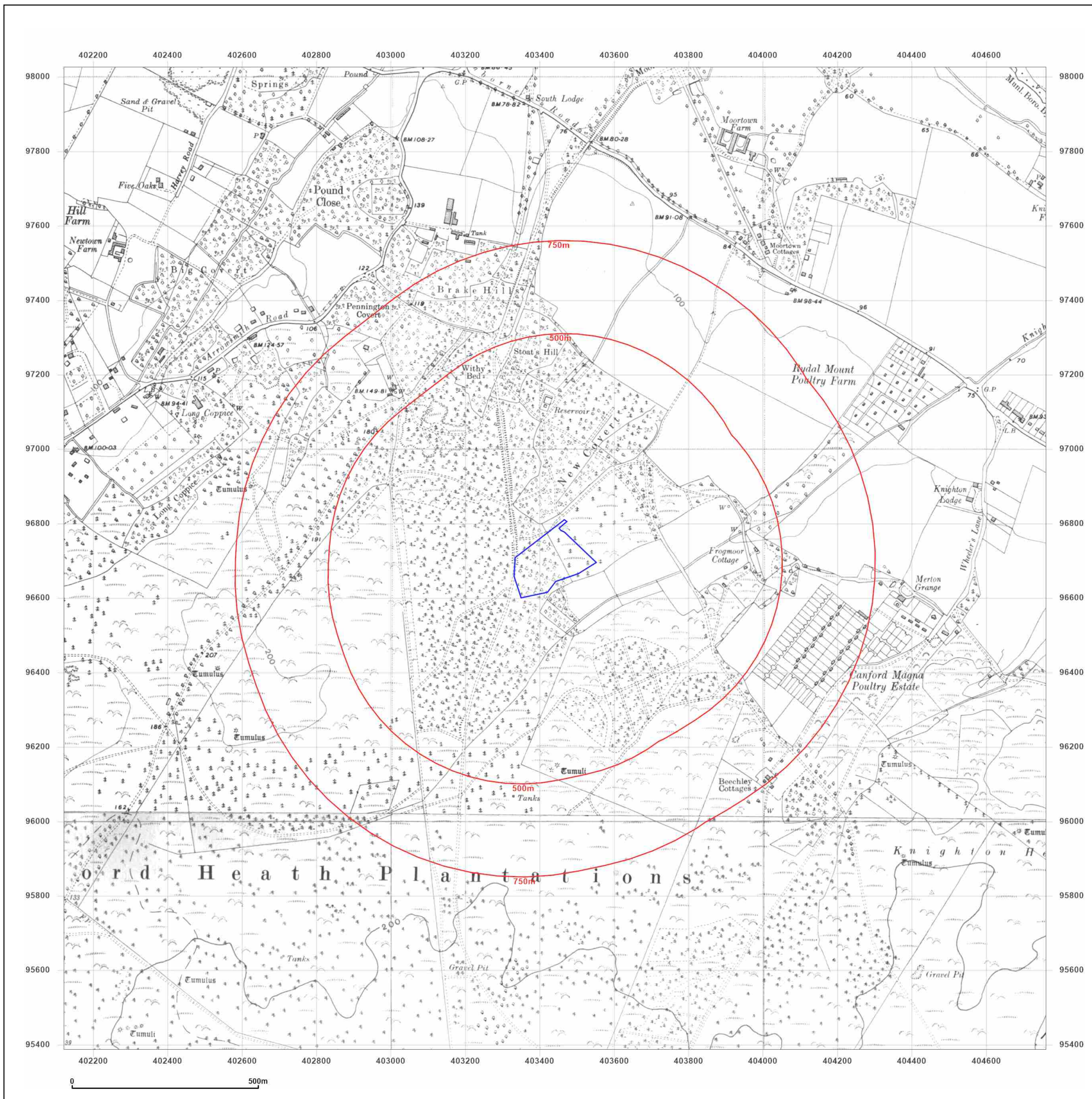


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**Map Name:** Provisional

**Map date:** 1963

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**Printed at:** 1:10,560



Surveyed 1963  
Revised 1963  
Edition N/A  
Copyright N/A  
Levelled N/A

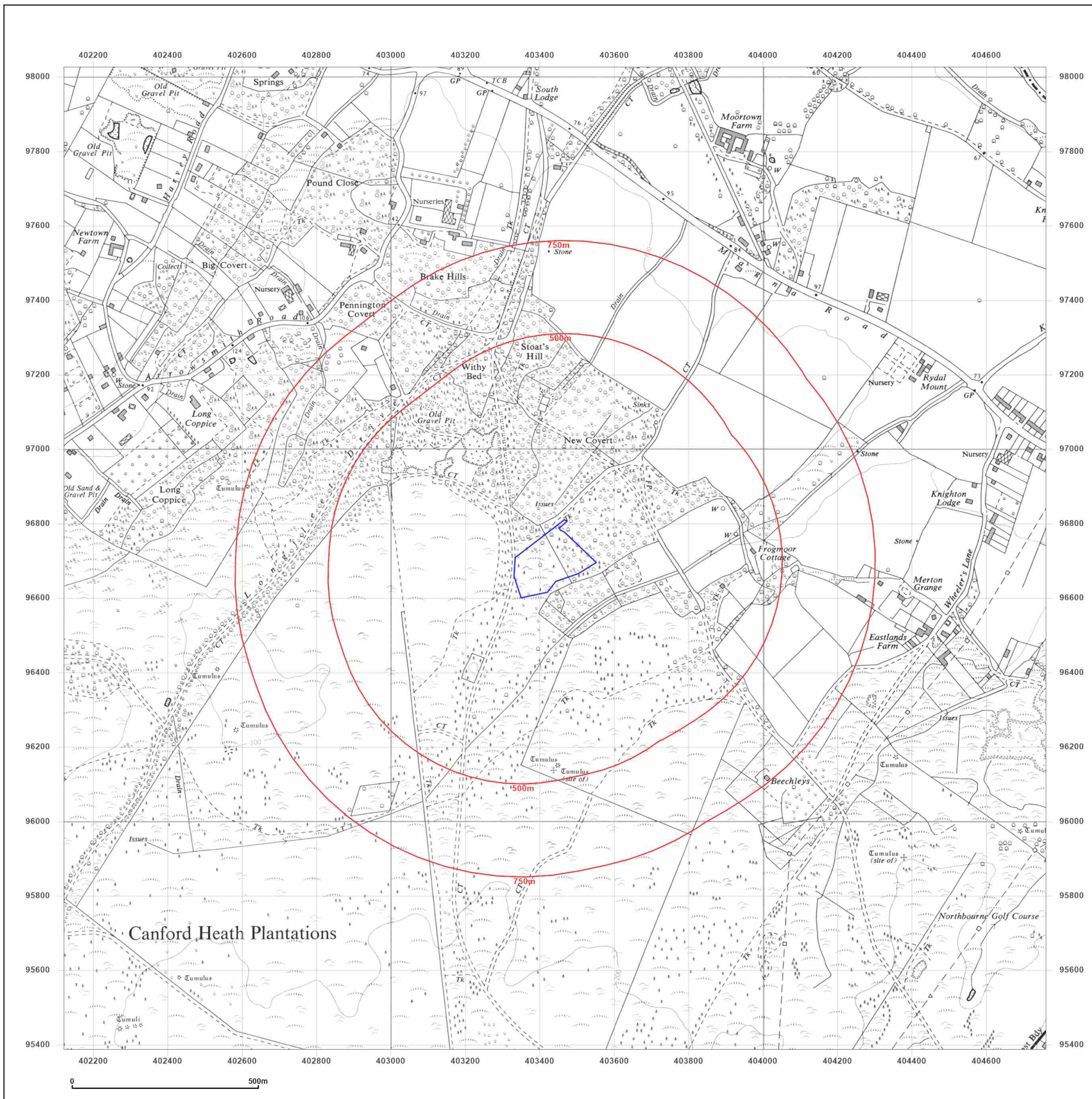


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**Client Ref:** EX-21-001  
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**Map Name:** National Grid

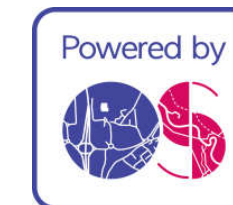
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Surveyed 1973  
Revised 1974  
Edition N/A  
Copyright 1974  
Levelled N/A

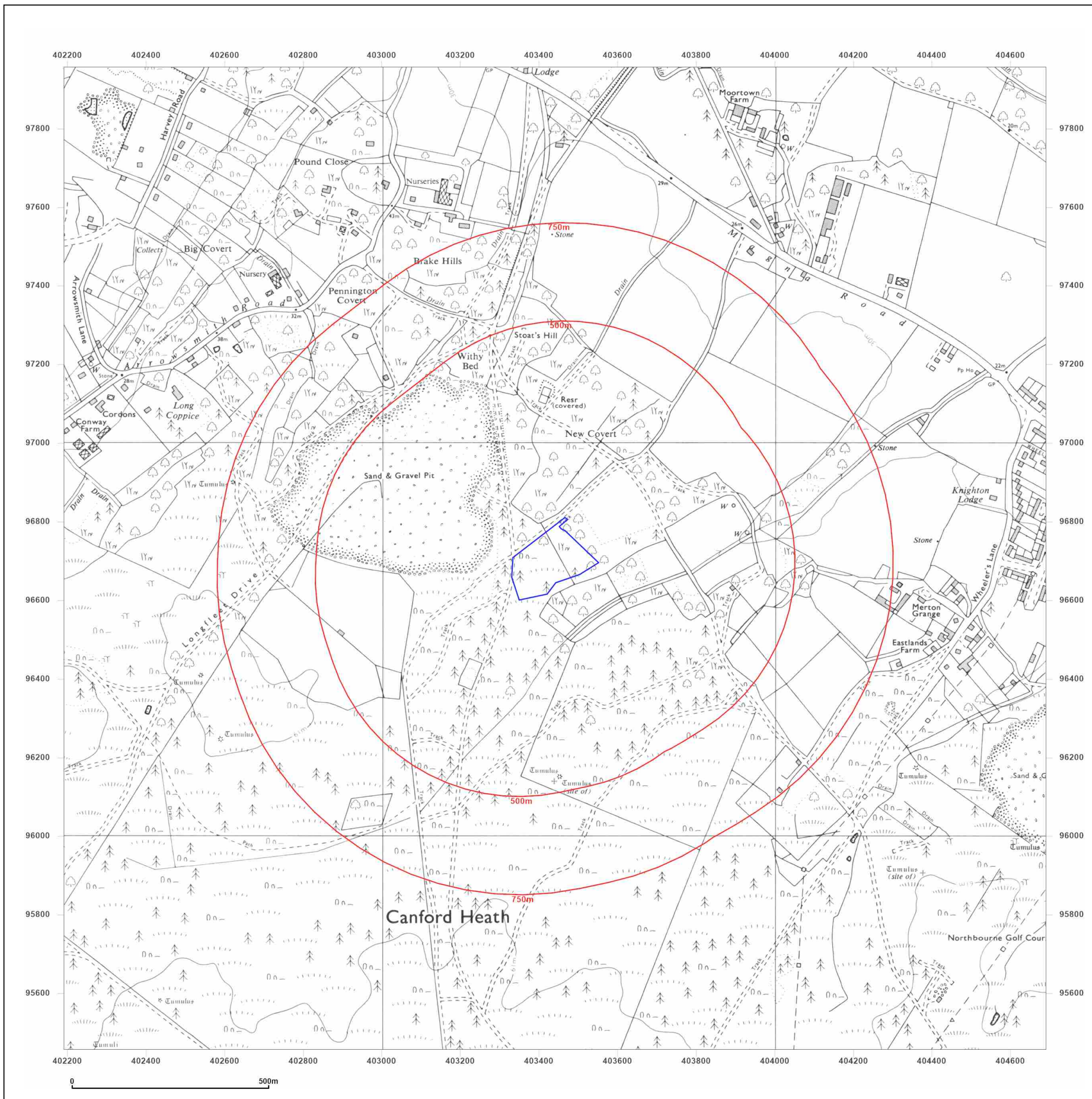


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**Client Ref:** EX-21-001  
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**Map Name:** National Grid

**Map date:** 1982

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1982  
Revised 1982  
Edition N/A  
Copyright N/A  
Levelled N/A

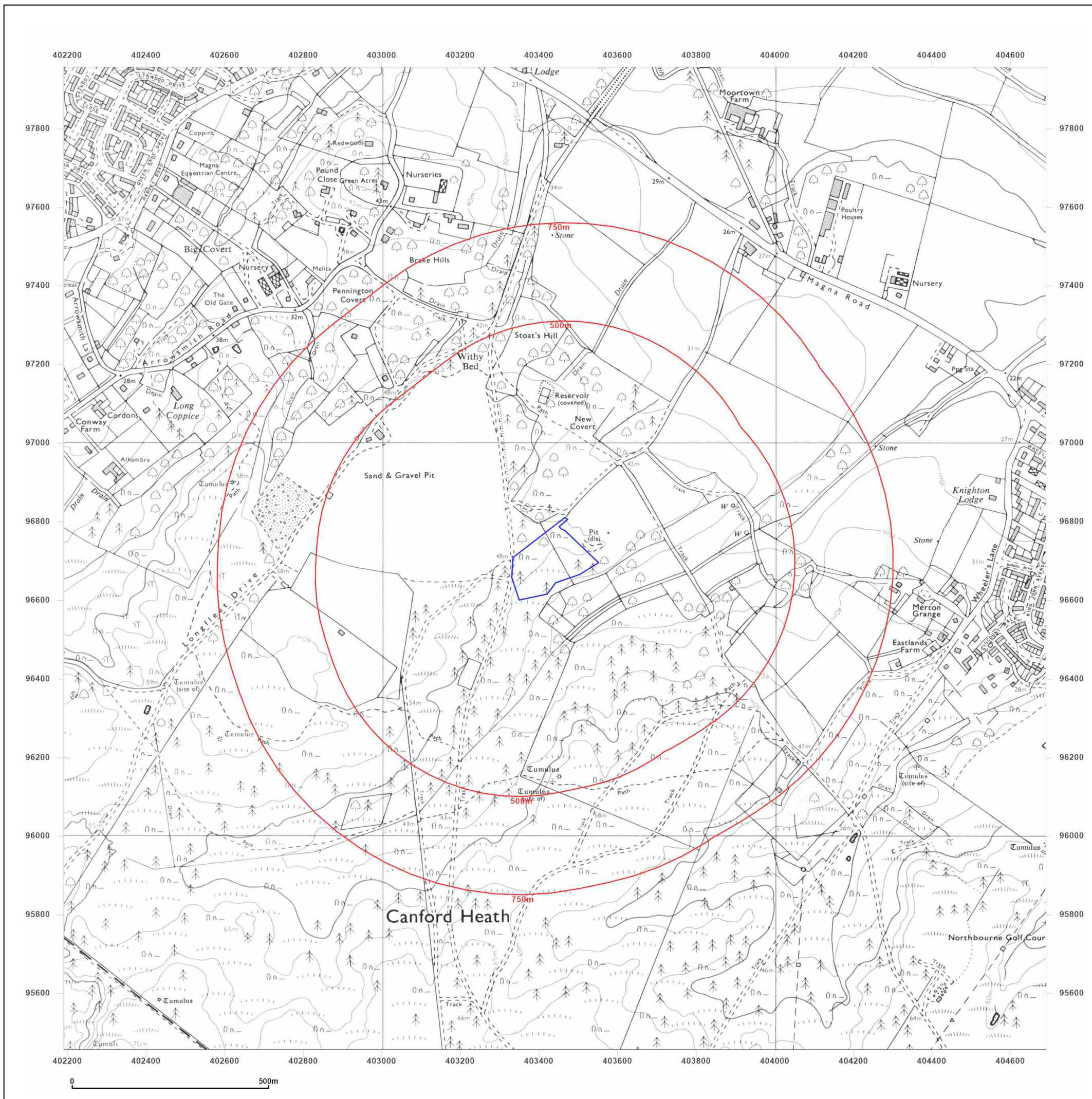


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3BW

**Client Ref:** EX-21-001  
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**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1988

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1986  
Revised 1988  
Edition N/A  
Copyright N/A  
Levelled N/A

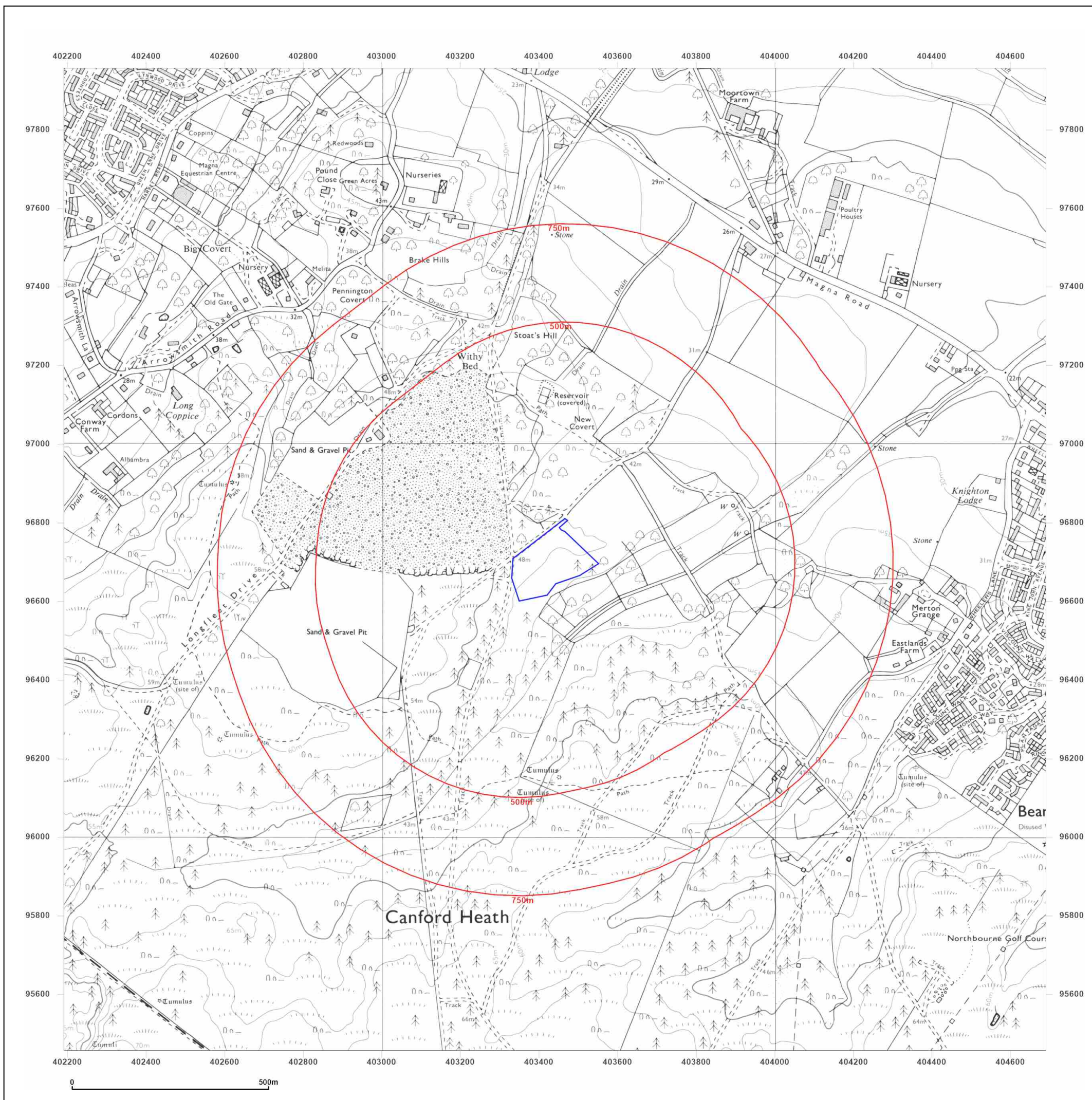


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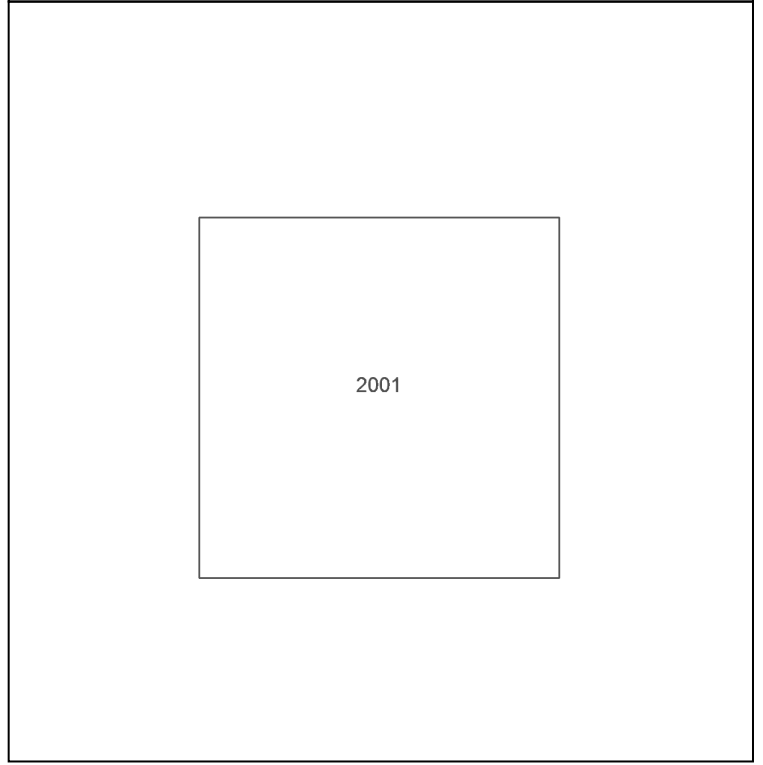


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**Map Name:** National Grid  
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**Printed at:** 1:10,000



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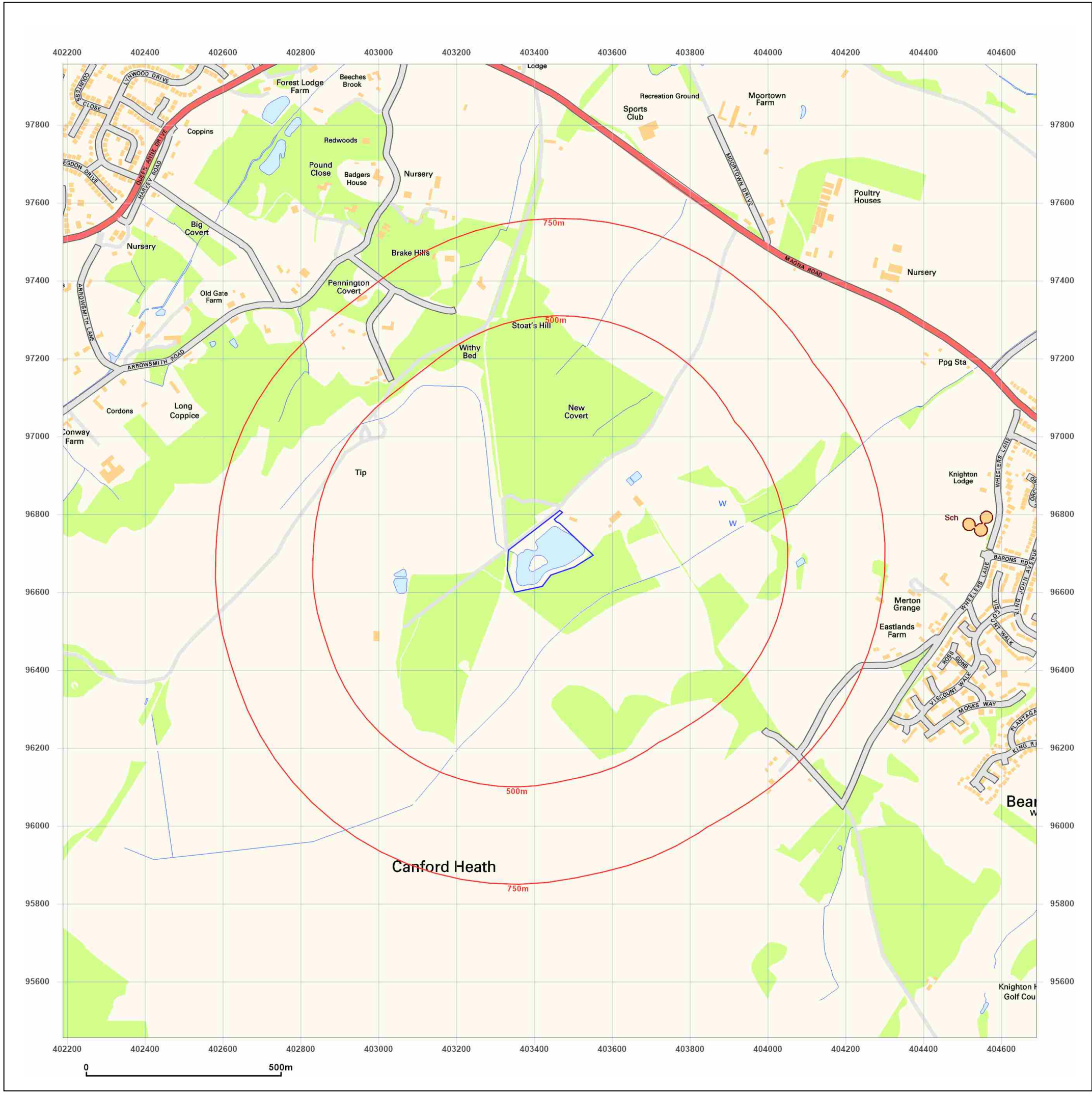


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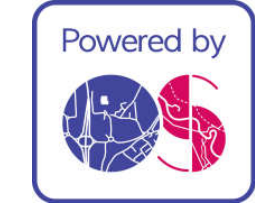
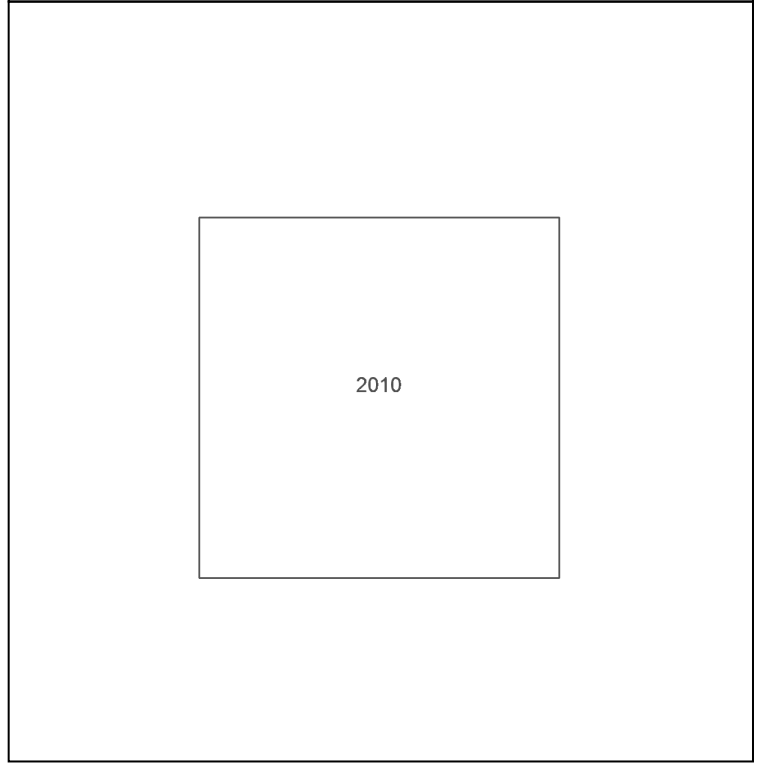




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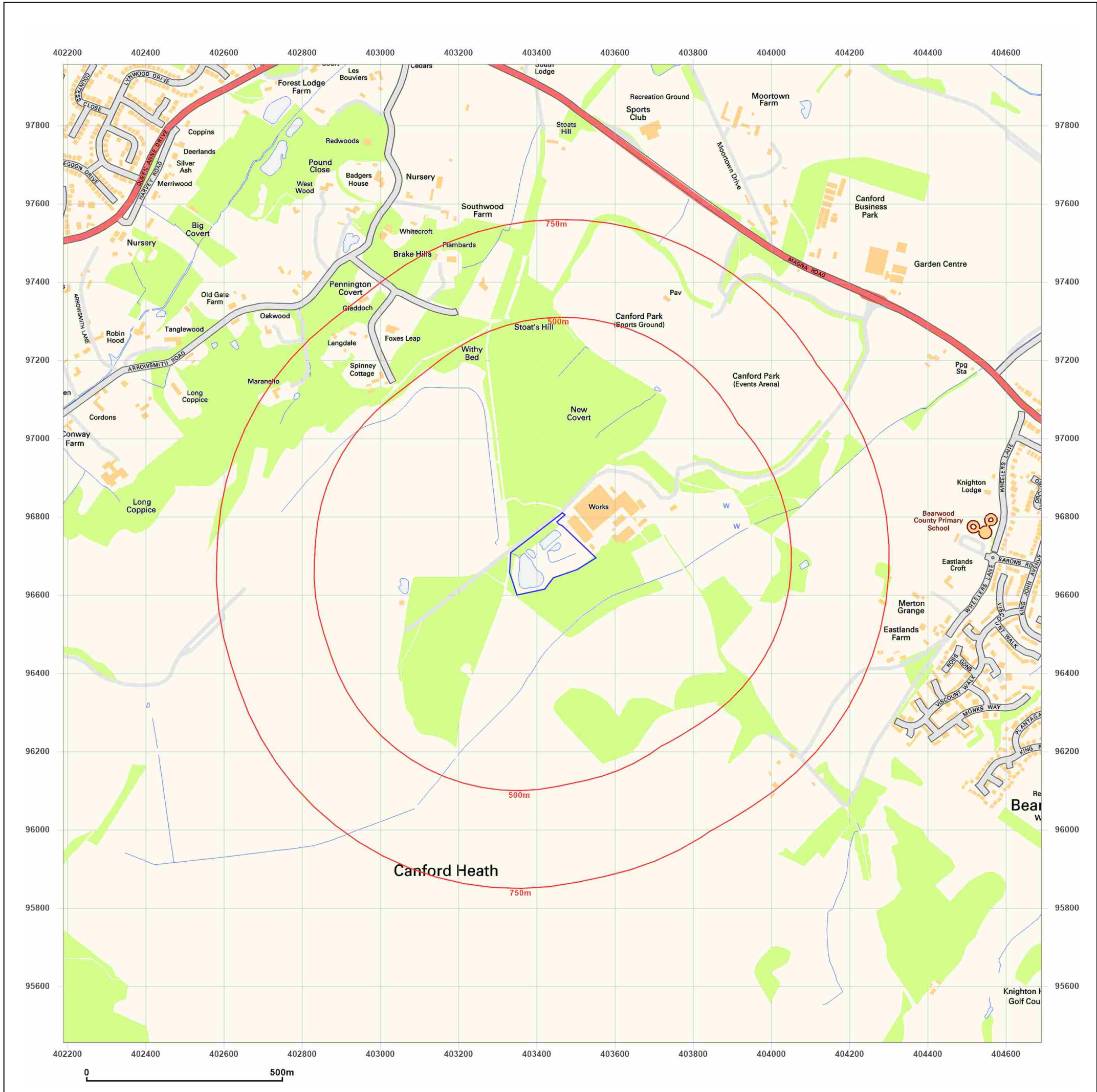


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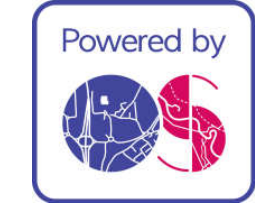
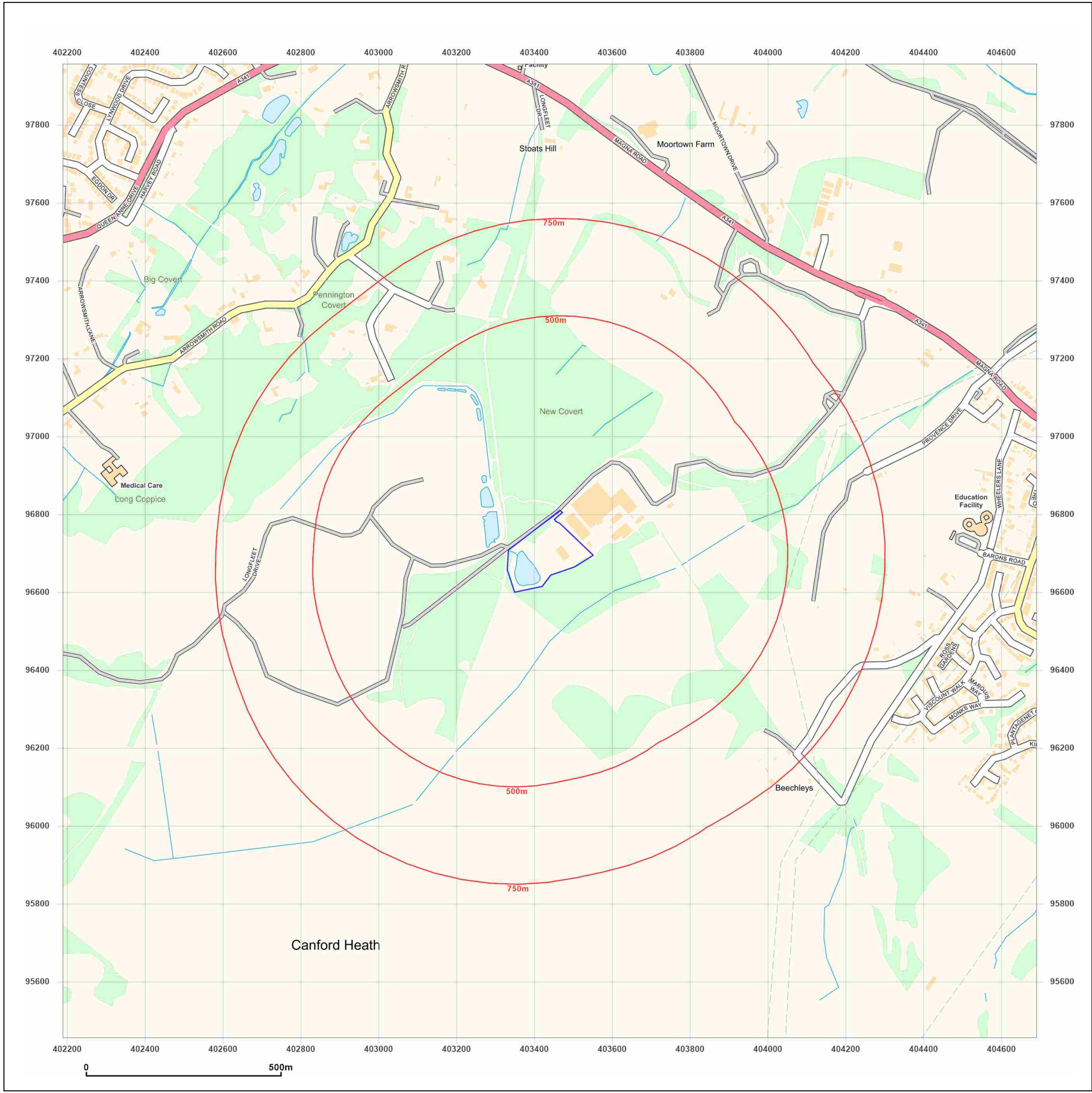
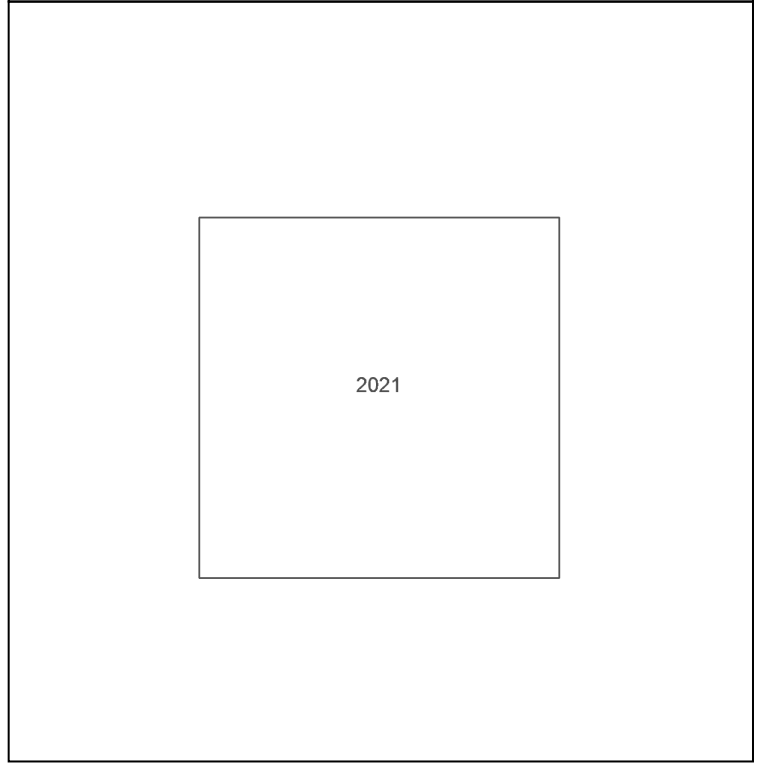




**Site Details:**  
 CANFORD RECYCLING CENTRE,  
 ARENA WAY, POOLE, BH21  
 3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid  
**Map date:** 2021  
**Scale:** 1:10,000  
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**GROUND INVESTIGATION REPORT**  
**Proposed Industrial Development**  
**Canford Energy Park, Bournemouth, Hampshire**

**Prepared for: Canford Renewable Energy**

**Date: November 2022**

**Report No: EX-21-001/GIR**



  
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**REPORT TITLE** : **Ground Investigation Report:**  
**Proposed Industrial Development**  
**Canford Energy Park, Bournemouth, Hampshire**

**REPORT STATUS** : **Final**

**REVISION** : **02**

Revision	Date	Comments
01	November 2022	Updated Gas Monitoring Results
02	November 2022	Updated gas risk assessment and formatting issues

**JOB NUMBER** : **EX-21-001/GIR**

**DATE** : **November 2022**

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**EXECUTIVE SUMMARY**

<b>Proposals</b>	Canford Renewable Energy is proposing the construction of a new commercial development within land at Canford Energy Park, Bournemouth, Hampshire. The proposed development will consist of an Energy from Waste (EfW) Incinerator building and associated infrastructure														
<b>Geology</b>	The Geological Map of the area shows the site to be underlain by the Poole Formation, which typically comprises both sand and clay units  Superficial River Terrace Deposits are shown to overlie the bedrock geology, which typically comprise of sand and gravel, locally with lenses of silt, clay or peat														
<b>Field Investigation</b>	<p>The site works were undertaken during June and July 2022 and comprised 3No. rotary dynamic sampled and cored boreholes, 3No. cable percussive boreholes, 19No. mini percussive boreholes, 8No. cone penetration tests, 5No. machine excavated trial pits and 1No. in-situ soakaway test. The ground conditions can be summarised as below:</p> <table border="1" data-bbox="448 770 1449 1061"> <thead> <tr> <th>Stratum</th> <th>Depth From (m)</th> <th>Depth to (m)</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Made Ground</td> <td>0.00</td> <td>6.00 / 7.70</td> <td>Loose multicolored sandy GRAVEL, gravelly SAND and sandy CLAY with anthropogenic inclusions.</td> </tr> <tr> <td>Bedrock</td> <td>6.00 / 7.70</td> <td>&gt;30.00</td> <td>Stiff bluish grey and grey silty (sandy) CLAY, Interbedded with Dense bluish grey slightly clayey silty fine to medium SAND</td> </tr> </tbody> </table> <p>Post investigation monitoring has confirmed groundwater levels between 4.20m and 7.43m bgl.</p>			Stratum	Depth From (m)	Depth to (m)	Description	Made Ground	0.00	6.00 / 7.70	Loose multicolored sandy GRAVEL, gravelly SAND and sandy CLAY with anthropogenic inclusions.	Bedrock	6.00 / 7.70	>30.00	Stiff bluish grey and grey silty (sandy) CLAY, Interbedded with Dense bluish grey slightly clayey silty fine to medium SAND
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Made Ground	0.00	6.00 / 7.70	Loose multicolored sandy GRAVEL, gravelly SAND and sandy CLAY with anthropogenic inclusions.												
Bedrock	6.00 / 7.70	>30.00	Stiff bluish grey and grey silty (sandy) CLAY, Interbedded with Dense bluish grey slightly clayey silty fine to medium SAND												
<b>Contamination Risk Assessment</b>	<b>Chemical Testing &amp; Evaluation</b>	The determinants tested were all present at concentrations below the relevant guidelines and therefore, there are no contaminants of concern. Therefore, it is considered that the human health risks are low with respect to the proposed end use and that no mitigation measures will be required for the development.													
	<b>Aquatic Environment</b>	Risk Assessment has confirmed a low risk to the aquatic environs based on the chemical evaluation and environmental setting of the site.													
	<b>Gas Migration</b>	A GSV of 0.039 l/hr classifies the site as Very Low Risk and as 'Gas Characteristic Situation 1' in accordance with CIRIA guidance C665 (2007).													
<b>Engineering Recommendations</b>	<b>Foundation and Floor Slab Solution</b>	<p>It is recommended that a deep piled foundation solution be adopted for the development. A CFA/bored pile should be used to penetrate through the Made Ground into the underlying Poole Formation.</p> <p>Pile depths will be a function of the required loads and pile diameters. It is understood that a typical pile load of 1,500 kN is expected. To achieve this required loading, it is anticipated that average pile lengths will be between 16.00 and 20.00 m for 0.90 and 0.60 m diameter piles respectively. The estimated working loads, type and length of piles should be confirmed by the specialist piling contractor.</p>													
	<b>Storm Drainage</b>	Due to the nature of the Made Ground deposits and slow infiltration recorded it is likely that soakaways will not be feasible at the site.													
	<b>Highways</b>	Based on in-situ testing and extensive depth of variable Made Ground encountered, it is recommended a CBR value of 1% is adopted for the site													
	<b>Buried Concrete</b>	Using guidance within BRE Special Digest 1 (2005) it is recommended that any buried concrete within the site conforms to Design Class DS-1 and ACEC class AC-1													

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Drawing 2.2: Preliminary Conceptual Site Model
Drawing 3.1: Exploratory Hole Location Plan
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## SECTION 1 Introduction and Proposed Development

Canford Renewable Energy is proposing the construction of a new commercial development within land at Canford Energy Park, Bournemouth, Hampshire. The proposed development will consist of an Energy from Waste (EfW) Incinerator building and associated infrastructure.

Terra Firma (South) have been commissioned as Geotechnical and Geo-Environmental Engineers to carry out a Ground Investigation of the site.

The main objectives of the geo-technical ground investigation were to:

- Determine the type, strength and bearing characteristics of the near surface soils and underlying bedrock geology.
- Provide recommendations for a suitable and economic foundation/floor slab solution for the development.
- Provide recommendations with regard to any other geo-technical aspects pertaining to the development.

The main objectives of the geo-environmental assessment programme were to:

- Identify the potential environmental liabilities at the site associated with any soil and groundwater contamination from past site uses.
- Provide a summary of the environmental conditions at the site, together with any necessary remediation works to render the site fit for its intended use.
- Provide recommendations with regard to any other geo-environmental aspects pertaining to the development.

The Ground Investigation has been undertaken in accordance with the following advisory guidance:

- Code of Practice for Site Investigations - (BS 5930): 2015 + A1:2020
- Investigation of Potentially Contaminated Sites - CoP (BS 10175): 2011 + A2:2017
- Methods of test for soils for civil engineering purposes - In-situ tests (BS 1377-9):1999

In order to achieve the above objectives, Terra Firma (South) carried out an assessment programme including a review of existing data, followed by a field investigation to determine the prevailing ground conditions and also to collect and analyse soil samples from selected locations around the site.

### 1.1 Limitations and Exceptions of Investigation

Canford Renewable Energy has requested that a Ground Investigation Report (GIR) be performed in order to establish the ground conditions at the site and collect representative samples for laboratory analysis.

The Ground Investigation was conducted, and this report has been prepared for the sole internal reliance of Canford Renewable Energy and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Terra Firma (South). If an unauthorised third party comes into possession of this report, they rely on it at their peril and the authors owe them no duty of care and skill.

The report represents the findings and opinions of experienced geo-environmental and geo-technical consultants. Terra Firma (South) does not provide legal advice and the advice of lawyers may also be required.

The subsurface geological profiles, any contamination and other plots are generalised by necessity and have been based on the information found at the locations of the exploratory holes and depths sampled and tested.

The ground investigation was limited by the following site constraints:

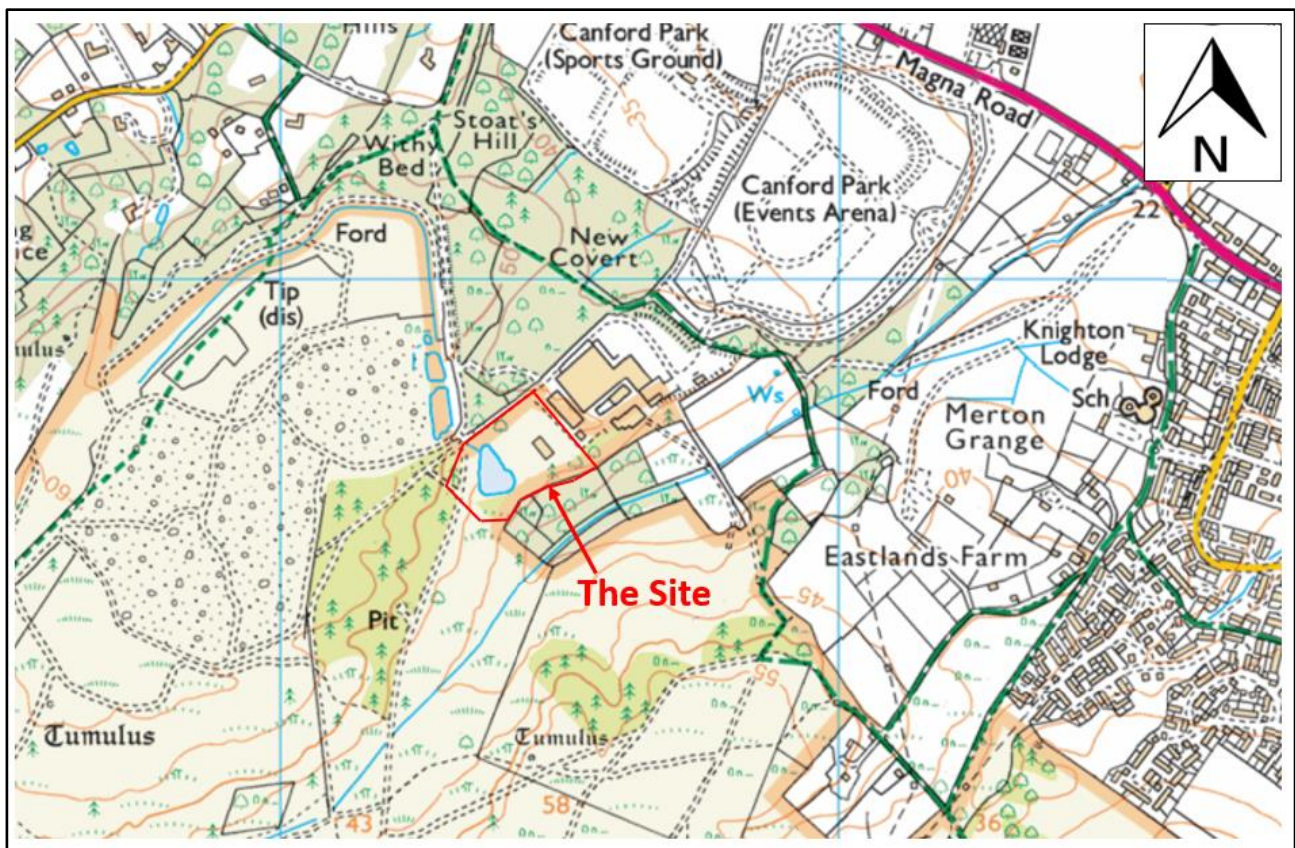
- The presence of underground services and utilities,
- The presence of existing buildings, structures and/or hard standing,
- The presence of access restrictions to the required locations,
- The presence of underground obstructions, structures and/or unexpected ground conditions,
- The unsecure and neglected nature of the site, and
- The presence of time restraints outside of our reasonable control.

## SECTION 2 Site Setting

### 2.1 Physical Setting

The proposed development is to be located on land within Canford Energy Park, Bournemouth, Hampshire, BH21 3AL.

The site is centred approximately on National Grid Reference (NGR) 403415 096689. The site location is presented in **Drawing 2.1** below.



**Drawing 2.1:** Site Location Plan

The site is irregular in shape with a plan area of approximately 2.38 hectares and sits between approximately 42-54 m above ordnance datum (aod).

The topography of the site is typically flat. The topography of the surrounding area typically slopes towards the Southeast.

The site boundaries comprise the following:

- North – The northern boundary comprises of woodland and AMS Concrete facility.
- East – The eastern boundary comprises of Wimborne Recycling Centre, AMS Recycled Aggregates and Avon Material Supplies.
- South – The southern boundary comprises of woodland and fields.
- West – The western boundary comprises of woodland, Doset Concrete and ready 2 Mix Ltd.

#### 2.1.1 Current Use and Site Conditions

A walk-over survey was undertaken on the 20th of June 2022 by a Terra Firma (South) Engineer.

The site is accessed via industrial roads circling Canford Energy Park. At the time of the walk-over survey the site currently comprises industrial recycling companies, operations and users.

The lake shown in the west of the site (Drawing 2.1) is no longer present and has been backfilled.

## 2.2 Phase 1 Risk Assessment

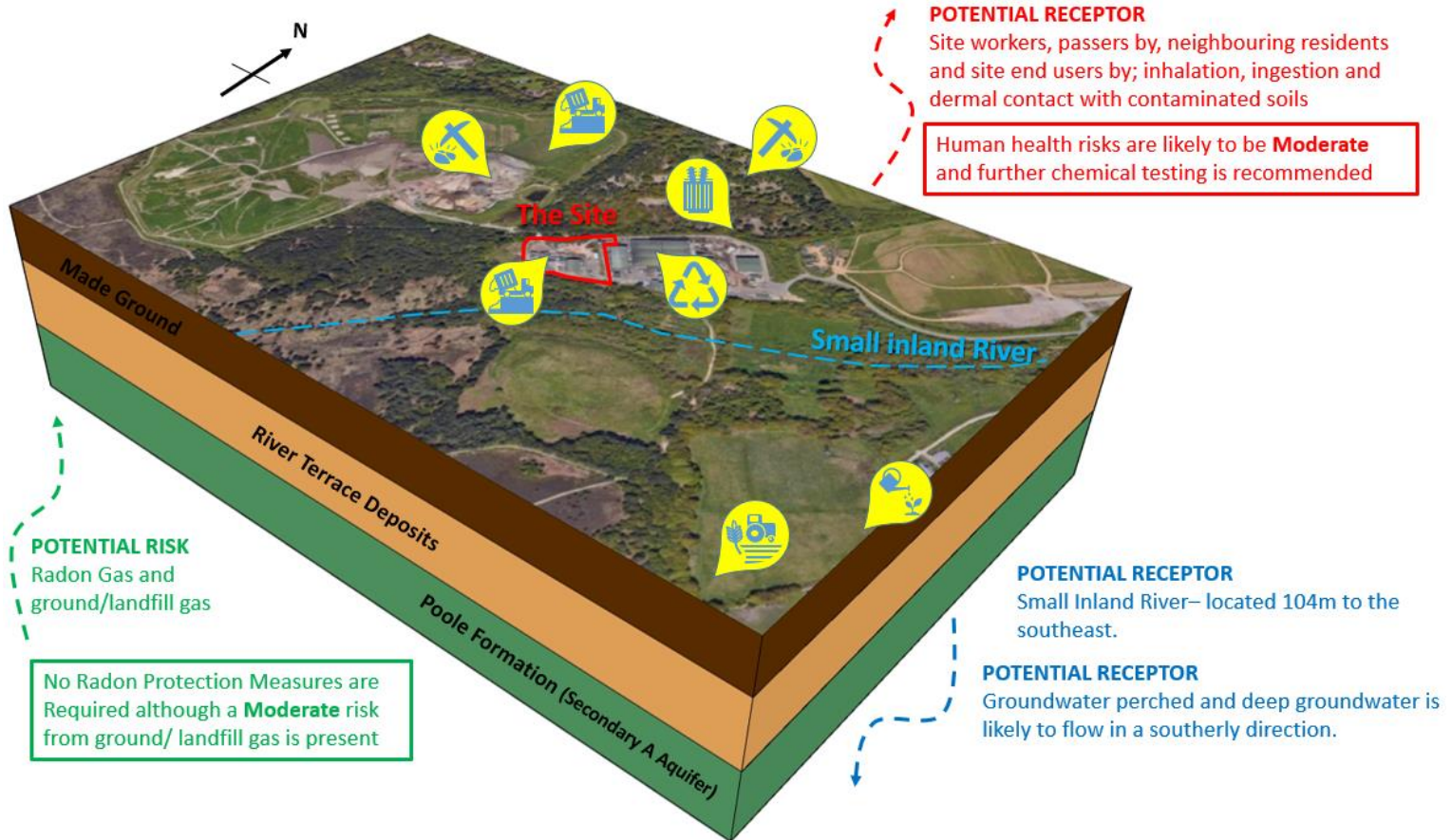
A Phase 1 Contaminated Land Risk Assessment was undertaken by Terra Firma (South) in September 2022 (Report No. EX-21-001/P1) and should be read in conjunction with this report. A summary of the report is detailed below:

<b>Geology</b>	<p>The Geological Map of the area shows the site to be underlain by the Poole Formation, which typically comprises both sand and clay units.</p> <p>Superficial deposits in the form of River Terrace Deposits - 10 are shown to overlie the bedrock geology of the area, which typically comprise of sand and gravel, locally with lenses of silt, clay or peat.</p>
<b>Mining</b>	In summary, the risk from underground and/or surface mining activity is likely to be <b>Moderate</b> .
<b>Preliminary Geotechnical Risk Assessment</b>	The preliminary geotechnical risk assessment has revealed that a <b>Moderate</b> risk is present from geotechnical aspects, with particular risk specifically associated with the likely presence of made ground and poor shallow ground conditions.
<b>Recommendations</b>	In order to confirm the above preliminary geotechnical risk assessment, it is recommended that a Phase 2 Intrusive Site Investigation is undertaken in order to determine the ground conditions and confirm relevant geotechnical aspects.
<b>Potential Sources of Contamination</b>	<p><b>On-site</b></p> <p>Historically, the site has typically comprised of woodland, marshland, heathland before becoming an overspill lake for the adjacent sand and gravel pit to the northwest sometime around 1989.</p> <p>Currently, the site comprises a vehicle / storage area for the adjacent industrial recycling companies' operations.</p>
	<p><b>Off-site</b></p> <p>Historically, the surrounding area (&lt;250m) has typically comprised of several sand and gravel quarries, farming land/nurseries and landfill sites.</p> <p>Present day and historical uses of the surrounding area have a number of potential contamination sources including quarries with subsequent landfilling and adjacent recycling centre.</p>
	<p><b>Gas Migration</b></p> <p>Due to the presence of influencing landfills, underlying organic material (e.g. peat) and significant Made Ground, the presence of ground gas cannot be ruled out.</p>
<b>Preliminary Human Health &amp; Environmental Risk Assessment</b>	<p>The preliminary human health and environmental risk assessment has revealed that due to the sites and surrounding areas current and past land uses that a <b>Moderate</b> risk is present from contamination present beneath the site, with particular risk specifically associated with the on-site historic made ground and current site operations of off-site quarrying/landfilling and adjacent recycling centre.</p> <p>In addition, a <b>Low</b> risk is present from the migration of radon gas, a <b>Moderate</b> risk from the migration of landfill gas and a <b>Moderate</b> risk from the migration of ground gas.</p>
<b>Recommendations</b>	Based on a <b>Moderate</b> overall risk rating, in order to confirm the above preliminary human health and environmental risk assessment it is recommended that a Phase 2 Ground Investigation is undertaken comprising site specific soil chemical testing in order to determine the ground conditions, soil chemistry and any environmental liability associated with the site.



### 2.2.1 Preliminary Illustrative Site Conceptual Model

The following illustration represents a theorised model through the site. The drawing is generalised and not to scale.



Drawing 2.2: Preliminary Conceptual Site Model

## SECTION 3 Field Investigation

### 3.1 General

The site works were scoped by Terra Firma (South) and MVV Environmental Ltd and comprised the following:

- 3No. rotary dynamic sampled and cored boreholes (R01, R04 and R05),
- 3No. cable percussive boreholes (CP02, CP04 and CP06),
- 19No. mini percussive boreholes (WS01-03, 06, 07, 09, 13-15 and 17-26),
- 8No. cone penetration tests (CPT01-08),
- 5No. machine excavated trial pits (TP01, TP02, TP04, TP06 and TP09), and
- 1No. in-situ soakaway tests (TP09).

The site works were carried out at the site between the 20<sup>th</sup> of June and 21<sup>st</sup> of July 2022.

Prior to the site works, the following Health and Safety measures were undertaken:

- Risk Assessment & Method Statement (RAMS) was issued and approved beforehand,
- Underground Utility Plans were obtained from the relevant Statutory Undertakers,
- Underground Utilities were marked out by the relevant Statutory Undertakers,
- Site meetings were held with Canford Renewable Energy to outline the schedule of works and arrange the necessary safety measures to be implemented,
- Before any excavation, all exploratory hole locations were scanned using a Cable Avoidance Tool (CAT), and
- Before any excavation, all exploratory holes were surveyed using Ground Penetrating Radar (GPR).

The exploratory holes were set out at locations provided by Terra Firma (South) and adjusted where necessary to take account of the site constraints detailed in Section 1.1.

Approximate exploratory hole co-ordinates and levels were picked up post-investigation using a Global Positioning System (GPS) receiver and presented in the table below:

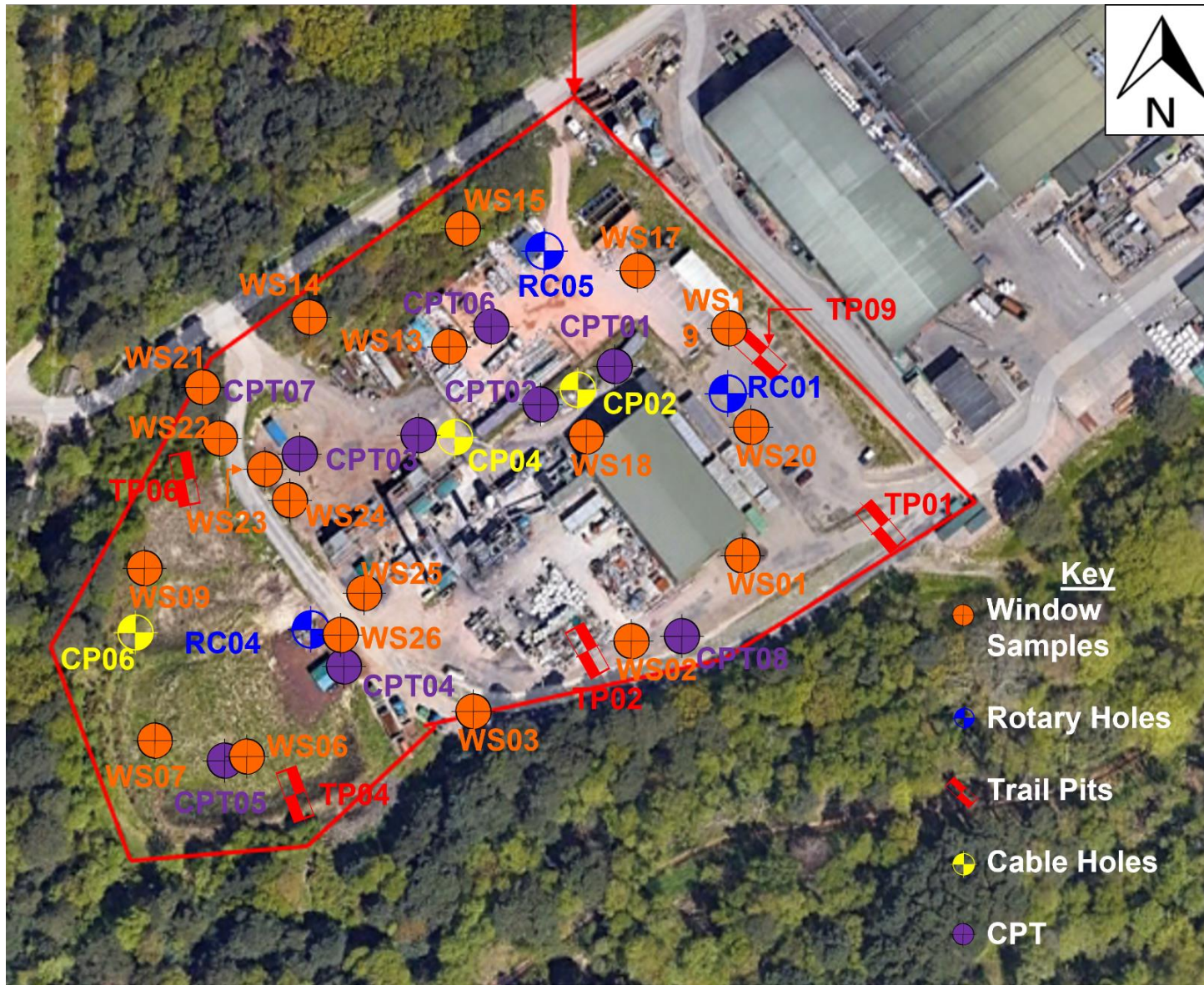
<b>Table 3.1: Exploratory Hole Co-ordinates</b>			
<b>Exploratory Hole</b>	<b>Easting</b>	<b>Northing</b>	<b>Height AOD (m)</b>
RC01	403489.8	96725.6	42.851
RC04	403388.5	96669.9	44.143
RC05	403441.5	96751.5	43.134
CP02	403445.7	96723.0	43.316
CP04	403424.4	96712.0	43.508
CP06	403361.6	96658.6	44.105
TP01	403523.1	96697.8	44.023
TP02	403460.7	96666.0	43.517
TP04	403364.8	96622.7	43.407
TP06	403356.3	96704.8	44.341
TP09	403499.1	96730.2	42.857
WS01	403492.1	96684.7	43.478
WS02	403467.8	96667.1	43.491
WS03	403429.0	96652.9	44.307
WS06	403399.3	96647.0	43.975

WS07	403368.8	96636.8	43.907
WS09	403355.5	96682.8	44.176
WS13	403424.1	96733.3	43.103
WS14	403395.2	96747.3	45.095
WS15	403421.3	96767.8	44.951
WS17	403460.4	96753.7	43.187
WS18	403456.5	96715.8	43.634
WS19	403488.8	96736.3	42.854
WS20	403495.0	96719.9	42.876
WS21	403360.0	96720.0	-
WS22	403367.8	96711.7	-
WS23	403380.6	96703.6	-
WS24	403387.2	96695.8	-
WS25	403405.8	96673.7	-
WS26	403395.9	96672.0	-
CPT01	403488.2	96721.5	42.861
CPT02	403465.5	96730.8	43.508
CPT03	403432.0	96711.2	43.459
CPT04	403394.2	96662.5	44.223
CPT05	403379.1	96639.7	43.875
CPT06	403443.9	96755.7	43.225
CPT07	403394.3	96737.1	-
CPT08	403496.2	96678.7	-

The site works were supervised by Terra Firma (South), who also logged the exploratory holes to the requirements of BS5930:2015 + A1:2020.

The exploratory hole logs and in-situ test results are presented in **Annex B** and **Annex C** respectively, and their locations shown on **Drawing 3.1** below.





Drawing 3.1: Exploratory Hole Location Plan



## 3.2 Exploratory Holes

### 3.2.1 Rotary Boreholes

The rotary boreholes were sunk using a Comacchio GEO 405 drilling rig.

The borehole was advanced using dynamic sampling and coring techniques. Air mist was used as the optimum flushing medium.

#### Dynamic Sampling/Coring

Dynamic Sampling was used to obtain core of the made ground and/or residual soil deposits.

Standard Penetration Tests using either a split spoon or solid cone (SPT(S/C)) were undertaken at regular depths during the drilling in accordance with BS EN ISO 22476-3.

Once down to bedrock the borehole was cored to the specified depth.

Cores were placed in core boxes prior to transporting to Terra Firma (South) for logging and/or storage.

All rotary boreholes were installed with a gas and ground water monitoring pipe, the details of which are summarised in the section below.

### 3.2.2 Cable Percussive Boreholes

The cable percussive boreholes (200mm diameter) were sunk using a Dando 2000 cable drilling rig as described in EN ISO 22475-1:2006.

Due to the depth of drilling an additional mobilisation for further casing was required.

Standard Penetration Tests using either a split spoon or solid cone (SPT(S/C)) were undertaken at regular depths during the drilling in accordance with BS EN ISO 22476-3. Typically, tests were undertaken at the base of an inspection pit and every metre for the first 5m, and then every 1.5m thereafter, a final test was undertaken at the base of each borehole.

Undisturbed (U100) and disturbed bulk/small soil samples were taken at regular depths during the drilling. Water samples were taken at each water strike.

All Cable Percussive Boreholes were installed with a gas and ground water monitoring pipe, the details of which are summarised in the section below.

During drilling, standing time/day works were incurred due to the following reasons:

- Site Inductions / Briefings (0.5 hour)
- Inspection Pits (3 hours)
- Collecting Water (2 hours)
- Chiselling through Made Ground obstructions (6 hours)
- Backfilling Holes / Clear-up (3 hours)

### 3.2.3 Mini Percussive Boreholes

The windowless sampling boreholes were bored using a Dando Terrier drilling rig.

Due to the presence of surface hard standing a concrete corer attachment or hydraulic breaker was used where necessary to progress drilling.

The windowless boreholes were used to recover soil samples. Standard Penetration Tests using either a split spoon or solid cone (SPT(S/C)) were undertaken at regular depths during the drilling in accordance with BS EN ISO 22476-3. Typically, tests were undertaken at the base of an inspection pit and every metre, a final test was undertaken at the base of each borehole.

All boreholes, with the exception of WS24, were backfilled using gravel.

Borehole WS24 was installed with a gas and ground water monitoring pipe, the details of which are summarised in the section below.

### 3.2.4 Borehole Installations

Groundwater and/or gas monitoring systems were installed in boreholes spread across the site, terminating below both the depth of made ground and groundwater.

The standpipe installation details for the boreholes are as follows:

Table 3.2: Standpipe Installation Details			
Borehole No.	Top of Response Zone (m bgl)	Bottom of Response Zone (m bgl)	Pipe Detail
RC01	9.00	16.80	Lockable Raised cover set in concrete surround
RC04	9.00	25.50	
RC05	9.00	30.00	Plain (50mm) to top of Response Zone with [gas valve /cap]
CP02	8.00	20.00	
CP04	7.00	20.00	Slotted (50mm) Response Zone with geotextile sock and gravel surround
CP06	1.00	17.40	
WS24	1.00	2.00	Top/Bottom sealed with bentonite

### 3.2.5 Machine Excavated Trial Pits

The trial pits were excavated using a 13t tracked excavator.

Due to the presence of surface hard standing a hydraulic breaker attachment was used where necessary to progress excavation.

Following completion of soil logging, in-situ testing and sampling, the trial pits were backfilled using arisings and re-compacted as best as practicably possible using the excavator backhoe. If necessary, the trial pit was left slightly proud in order to allow for short-term settlement.

## 3.3 In-situ Testing

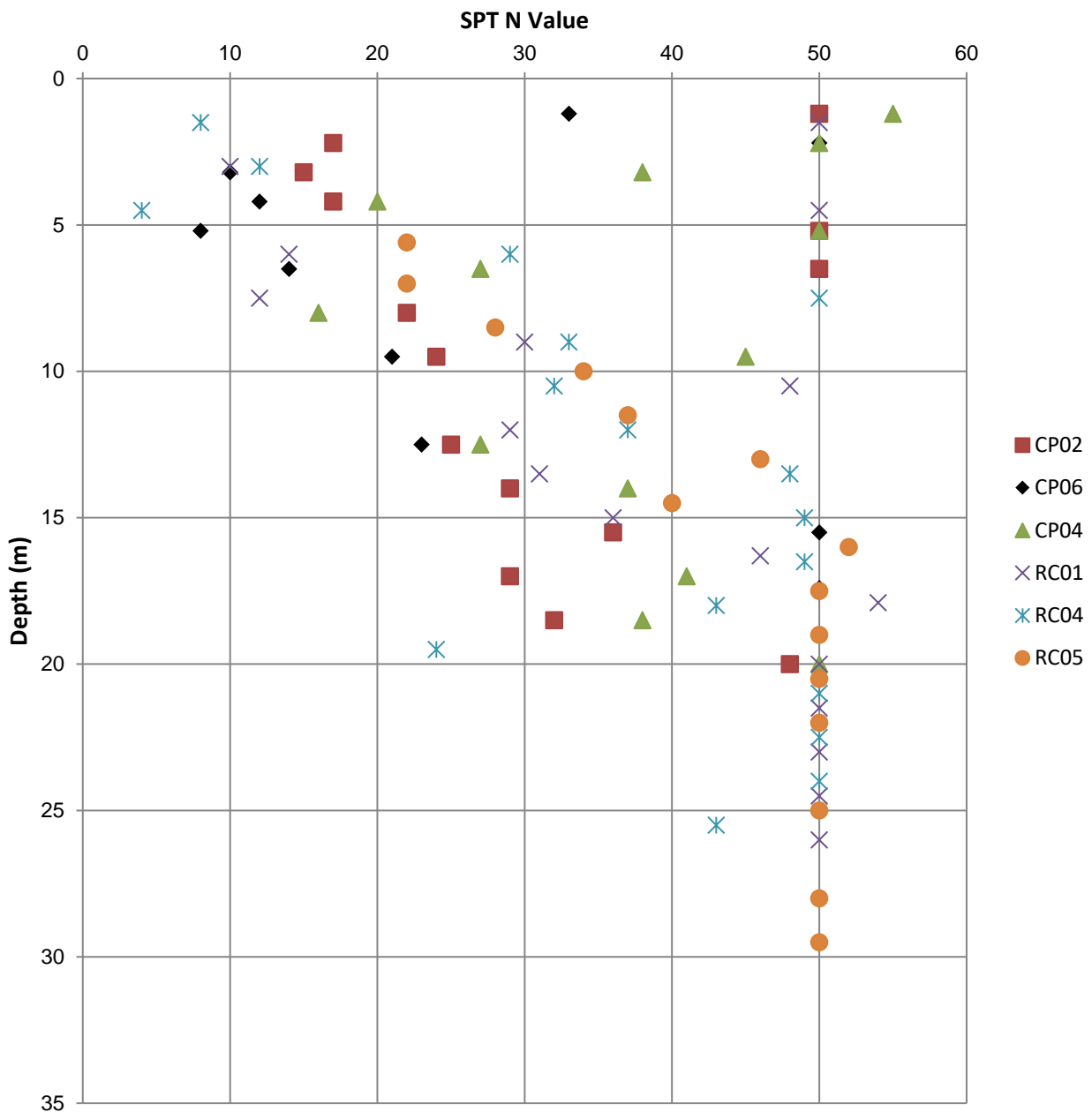
### 3.3.1 Strength Testing

#### Standard Penetration Test (SPT)

SPT N Values taken within the Made Ground revealed an average N value of 37 (Range 4 to >50).

SPT N Values taken within the Bedrock revealed an average N value of 38 (Range 12 to >50).

**Drawing 3.2** below presents the distribution of SPT N values against depth (mbgl).



**Drawing 3.2:** SPT vs Depth

### 3.3.2 Permeability Testing

The in-situ permeability tests were undertaken within the excavated trial pits in order to provide a soil infiltration rate to be used in soakaway design. A 2000-gallon tractor-towed bowser was used to rapidly fill the pit with water. Due to the quantity of water required, 2No. bowser refills were required.

During the site investigation, in-situ permeability tests were undertaken within TP09 and where possible were carried out to the requirements of BRE Digest 365.

The appropriate calculation sheets are presented in **Annex B** and the results given in the table below.

**Table 3.3: Infiltration Test Results**

Soak away Test	Depth (m)	Type	Soil Type	Infiltration Rate (m/s)
TP09	3.00	Storm Drainage	Made Ground	*N/A

**Notes:**

- \* The test did not drain sufficiently (75% effective depth) to give an infiltration rate

Further soakaways were attempted at TP04 and TP06 but due to continued collapse of the side walls the test was terminated on safety grounds.

### 3.3.3 Plate Load Testing

The in-situ plate load tests (5No.) were carried out at formation level to the requirements of BS1377: Part 9: 1990 using an 600mm diameter plate with a 13-tonne mechanical excavator utilised as a reaction frame (kentledge). The plate load tests were carried out to a maximum loading in excess of the design load.

The in-situ plate load tests were carried out in accordance with 'Methods of test for soils for civil engineering purposes – Part 9 (BS 1377): 1999'.

Due to the variable soft Made ground underlying the entirety of the site, none of the 5No. tests within formation levels registered a CBR result and therefore a value of <1% can be assumed for across the site.

### 3.3.4 Cone Penetration Testing

The Cone Penetration Test (CPT) holes were carried out using a 20-ton CPT wheeled rig. The CPT holes were undertaken to determine the soil profile and to enable in-situ pressure meter testing.

A summary of the CPT depths is given below.

**Table 3.4: CPT hole details**

Borehole No.	Final Depth	Comments
CPT01	0.83	Terminated due to refusal
CPT02	2.48	Terminated due to refusal
CPT03	1.74	Terminated due to refusal
CPT04	2.27	Terminated due to refusal
CPT05	5.07	Terminated due to refusal
CPT06	0.25	Terminated due to refusal
CPT07	21.84	Terminated due to refusal
CPT08	11.93	Terminated due to refusal

The CPT report from In-Situ Site Investigation (Report No. 1220328) has been included in **Annex A**.

## 3.4 Sampling

### 3.4.1 Sampling Quality Assurance

Care was taken to ensure that sampling quality assurance occurred during site works. This included the following measures:

- The use of nitrile gloves at each sampling point.
- Stainless steel shovels were used to collect soil samples. The tool was cleaned with distilled water between each sample point.



- Soil samples were stored at a temperature below 4 degrees.
- Soil samples were stored within sample containers according to the chemical testing required.
- No head space was left in sample containers.

### 3.4.2 Soil Chemical Test Sampling Regime

During the intrusive investigation small disturbed soil and/or water samples were collected for chemical testing.

The sample locations and depths are illustrated in the table below:

Table 3.5: Chemical Test Sample Descriptions		
Sample No.		Sample Type
WS01	0.40	Made Ground
WS01	0.10	Made Ground
WS02	0.80	Made Ground
WS02	1.50	Made Ground
WS03	0.50	Made Ground
WS03	1.30	Made Ground
WS06	2.05	Made Ground
WS07	0.30	Made Ground
WS07	0.60	Made Ground
WS09	1.00	Made Ground
WS09	1.40	Made Ground
WS13	0.30	Made Ground
WS14	0.90	Made Ground
WS14	0.30	Made Ground
WS15	0.30	Made Ground
WS17	0.75	Made Ground
WS17	0.45	Made Ground
WS19	0.20	Made Ground
WS20	0.60	Made Ground
WS20	0.30	Made Ground
WS21	0.40	Made Ground
WS21	1.25	Made Ground
WS22	1.10	Made Ground
WS23	0.20	Made Ground
WS23	0.05	Made Ground
WS24	1.00	Made Ground
WS24	1.80	Made Ground
WS25	1.30	Made Ground
WS26	1.80	Made Ground
WS19	0.60	Made Ground

### 3.4.3 Soil Property Test Sampling Regime

During the intrusive investigation bulk soil samples were collected for soil property testing.

The sample locations and depths are illustrated in the following table:

**Table 3.6: Soil Property Test Sample Laboratory Descriptions**

Sample No.	Sample Type	Description	
RC04	10.50	B	Soft grey silty CLAY
RC04	12.00	B	Grey mottled brown silty CLAY
RC04	19.00	B	Stiff grey silty CLAY
RC04	22.50	B	Light grey silty CLAY (Dessicated)
RC05	24.50	B	Stiff grey sandy clayey SILT
TP01	2.50	MG	-
TP06	1.00	MG	-
TP06	1.50	MG	Dark brown slightly gravelly sandy silty CLAY with occasional roots and shell fragments
TP06	4.00	MG	Loose orangish brown slightly gravelly silty medium to coarse SAND
TP09	1.00	MG	Loose brownish grey angular to well-rounded fine to coarse sandy GRAVEL of crushed concrete, brick, flint and asphalt

**Notes**

- Sample Type: MG (Made Ground), B (Bedrock)

**3.5 Groundwater and Gas Monitoring**

Groundwater and gas monitoring wells were installed within RC01, RC04, RC05, CP02, CP04, CP06 and WS24. The monitoring pipes were 50mm diameter pipe comprising 1.00m plain pipe and the remainder slotted to between 1.00m and 30.00m depth. A layer of bentonite was placed at the top and bottom of the response zone in order to seal it.

An initial programme of in-situ gas monitoring (4 Visits) for the presence of methane, carbon dioxide and oxygen was implemented following completion of the installations. The barometric pressure of the atmosphere and flow rate was also measured at the time of monitoring.

Groundwater monitoring was also completed to assess groundwater levels across the site. The table below presents the standing groundwater levels recorded for each borehole.

**Table 3.7: Summary of Groundwater Monitoring**

Date	GWL (metres BGL)			
	06/09/22	29/09/22	18/10/22	28/10/22
Time of Monitoring (GMT)	15:00	12:00	11:30	11:45
RC01	*	*	*	*
RC04	7.43	*	*	*
RC05	*	*	*	*
CP02	4.20	2.00	1.66	1.40
CP04	5.10	2.90	1.32	1.25
CP06	*	*	-	*
WS24	*	*	0.79	0.63

**Notes:**

- GWL (BGL) – Groundwater Level (Below Ground Level)
- \* Headworks vandalized/borehole inaccessible. Unable to monitor.

The results of the gas monitoring are presented in **Annex G**.

## SECTION 4 Ground Conditions

### 4.1 Summary

The ground conditions encountered by the exploratory holes were variable across the site and but can in general be summarised as shown in the following table:

Table 4.1: Summary of Ground Conditions					
Depth (mbgl)		Thickness (m)		Stratum	
From	To	Min	Max		
0.00	6.00 / 7.70	6.00	7.70	Loose multicolored sandy GRAVEL, gravelly SAND and sandy CLAY with anthropogenic inclusions.	<i>Made Ground</i>
6.00 / 7.70	>30.00	>24.00		Stiff bluish grey and grey silty (sandy) CLAY Interbedded at depth with: Dense bluish grey slightly clayey silty fine to medium SAND	<i>Poole Formation</i>

Within trial pits, the estimated strength of granular deposits was determined from visual assessment only (ease/difficulty of excavation and pit stability).

### 4.2 Stability

The sides of the excavations were typically found to be unstable, with side wall collapse noted.

Due to the hole instability telescopic 200mm and 150 mm diameter casing was needed to advance the boreholes.

### 4.3 Strata Details

#### 4.3.1 Made Ground

The Made Ground was encountered within all exploratory holes.

In general, the depth of the Made Ground was between 6.00m and 7.70m thick. The full extent of the Made Ground was only proven in the deep boreholes (RC01, RC04, RC05, CP01, CP04 and CP06).

The Made Ground typically comprised variable deposits of gravel, sand and clay with numerous anthropogenic inclusions including cobbles of concrete.

#### 4.3.2 Poole Formation

The Poole Formation was only encountered within the deep boreholes (RC01, RC04, RC05, CP01, CP04 and CP06) and typically comprised a stiff bluish grey and grey silty (sandy) CLAY. This typically became interbedded with dense bluish grey SAND at depth.

## 4.4 Water Strikes

Groundwater encountered by the exploratory holes can in general be summarised as shown in the following table:

<b>Table 4.2: Summary of Groundwater</b>				
<b>Hole Location</b>	<b>Groundwater Strike Depth (mbgl)</b>	<b>Groundwater Depth (mbgl) after 20 mins</b>	<b>Comments</b>	<b>Water Bearing Strata</b>
CP02	8.00	4.80	Sub artesian strike	B
CP04	10.00	7.85	Sub artesian strike	B
CP06	9.80	9.45	Slight rise	B
	17.20	15.20	Sub artesian strike	B

### Notes

- Water Bearing Strata: B (Bedrock)

Water strikes were encountered within the deep rotary boreholes (RC01, RC04 and RC05). However due to the drilling technique of using air mist flush, the exact depth of the water strike could not be determined.



## SECTION 5 Laboratory Chemical Testing

### 5.1 General

During the recent site works, 30No. soil samples were taken and dispatched to the laboratories of Chemtest for laboratory chemical testing.

The following chemical testing was undertaken:

Table 5.1: Summary of Chemical Testing Suites		
Inorganics	Metals	Arsenic (As), Cadmium (Cd), Chromium (Cr), Hexavalent Chromium (CrVI), Copper (Cu), Lead (Pb), Mercury (Hg), Nickel (Ni), Selenium (Se), Zinc (Zn)
	General	pH (acidity), Cyanide (CN <sup>-</sup> ), Sulphate (SO <sup>4</sup> ), Organic Matter (OM)
Organics		Phenol, Poly-Aromatic Hydrocarbons (PAH), Petroleum Hydrocarbons (PH): CWG, Benzene, Toluene, Ethylbenzene, Xylene (BTEX), Volatile Organic Compounds (VOCs) / Semi-VOCs
Miscellaneous		Asbestos ID

The results of the above chemical tests are presented in **Annex C** and evaluated below.

### 5.2 Risk Assessment

#### 5.2.1 Introduction

The results obtained from the investigation, which are discussed in detail in Section 5.3, were used to conduct an environmental risk assessment for the site. The risk assessment aimed to:

- Identify sensitive receptors
- Determine pathways for contaminant migration to the receptors
- Estimate contaminant impact on receptors
- Establish whether remedial action is required
- Calculate remediation target levels if required

The future use of the site i.e. whether it is to be used for residential or commercial has an impact on any risk assessment. As the site is expected to comprise an energy from waste facility, soil guidance values (SGV) for a commercial end-use has been adopted.

#### 5.2.2 Methodology

##### Soils

Environmental risk assessment evaluates the risk to receptors via an analysis of the 'source-pathway-target' linkage. In order for a risk to be present, there must be a contaminant source capable of causing a health risk, a vulnerable receptor, and a pathway linking the two.

This sort of risk assessment is usually conducted using a tiered approach. Tier 1 consists of a comparison of the analytical results obtained from the site investigation with Soil Guideline Values (SGV's) specific to the type of development obtained from The Environment Agency Contaminated Land Exposure Assessment (CLEA) Guidelines.

The CLEA model, technical guidance and Soil Guideline Values are currently under review, as a direct result of the publication published by DEFRA (2006) 'Soil Guideline Values: The Way Forward'. The technical guidance CLR 9 and CLR 10 have been superseded by Science Reports (SR) 2 and SR3.

Whilst the toxicological and risk assessment framework is under review, the laboratory soil chemical test results have been evaluated by comparison with published Generic Assessment Criteria (GAC), with preference in the following order:

1. Category 4 Screening Levels (C4SLs) - Department for Environment, Food and Rural Affairs (DEFRA, 2014),
2. Suitable for Use Levels (S4ULs) - Land Quality Management & Chartered Institute of Environmental Health (LQM & CIEH, 2015),
3. Soil Guideline Values (SGVs) - EA / DEFRA, 2002-2009,
4. Generic Assessment Criteria (GAC) - Contaminated Land: Applications in Real Environments (CL:AIRE, 2010), and
5. Generic Assessment Criteria (GAC) derived by Terra Firma (South).

In the absence of a GAC, the laboratory Limit of Detection (LoD) has been used for comparison in order to establish the presence/absence of determinants and for initial screening purposes.

The above sources typically have derived GAC with reference to the EA's Contaminated Land Exposure Assessment (CLEA) model and using the CLEA software.

All receptor profiles, source inputs and toxicological parameters comply with both peer reviewed literature and CLR 7 to CLR 10. As with SGV's the SSV's and CIEH GAC are not yet updated to SR2 and SR3.

Should Tier 1 levels be exceeded, a choice is made either to remediate the site to conservative Tier 1 levels, or proceed to Tier 2.

Tier 2 makes use of site-specific data to evaluate acceptable concentrations of chemicals for the particular conditions present at the site.

At each tier, the amount and detail of investigation work increases as more site-specific data are needed to refine the characterisation of the site. Conversely, as site conditions are better understood, a more site-specific remediation strategy can be determined.

### **Controlled Waters**

In the case of groundwater and/or leachate, the acceptable concentrations are sourced from the Environment Agency Chemical Standards Report for each individual substance. The report presents a variety of target concentrations specific to protection goals and environmental media in which the standard applies. The most applicable protection goal and environmental media for this project is the protection of aquatic life in a freshwater environment.

Where there is no standard for a freshwater environment, the target concentrations are derived from UK standards for drinking water (for human consumption). In the absence of any published guideline, a conservative threshold is suggested.

### **5.2.3 Assessment of Zones/Areas**

Following initial findings from the Phase 1 Desk Study and subsequent Ground Investigation, a site can be zoned into separate areas, for the purposes of contamination assessment. This zoning can be based on the sites previous history and/or from the proposed end use of the site. These zones can then be subdivided into

averaging areas which in turn can be assessed for differing soil types and potentially differing pathways. Each averaging area can then be considered independently of each other for human health exposure assessment.

Based upon a site end use of an energy from waste facility and the findings from the Phase 1 Desk Study and Ground Investigation it is proposed that the site be treated as a single zoned site.

## 5.2.4 Sources

The sources of contamination considered in the risk assessment are taken to be concentrations of chemicals beneath the site.

## 5.2.5 Pathways

The various pathways considered in the risk assessment are summarised in the table below:

<b>Table 5.2: Summary of Potential Contamination Pathways</b>	
<b>Potential Contamination Pathway</b>	
<b>Human Health</b>	Ingestion of soil and soil dust
	Dermal contact (Inc. eye uptake) with soil, soil dust and water
	Inhalation of soil particles, dust, asbestos and vapours, both indoors and outdoors
	Inhalation of landfill / ground gas, accumulation and risk of explosion
	Contaminant permeation of drinking water pipes and ingestion of contaminated water supply
<b>Aquatic Environment</b>	Surface water runoff
	Migration of surface water into underlying soils and groundwater
	Leaching of contaminants via groundwater transport into the wider aquatic environment – surface waters and groundwater

## 5.2.6 Potential Receptors

A summary of the potential affected receptors at the site are summarised in the table below:

<b>Table 5.3: Summary of Potentially Affected Receptors</b>
<b>Potentially Affected Receptors</b>
Construction Workers
Neighbouring Site Users
Passers-by
Maintenance Contractors
Employees / Visitors
Persons who may come into contact with water in the vicinity of the site
Vegetation from phytotoxic contaminants
Building Materials from aggressive ground conditions
The underlying secondary aquifer
Nearby surface waters and the aquatic life within

## 5.3 Evaluation of Analytical Results

### 5.3.1 Soils

A summary of the Inorganic (Metals) soil chemical test results are shown in the table below.

Table 5.4: Soil Chemical Test Results – Inorganics (Metals)					
Substance	Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
	Commercial	Min	Max		
Arsenic	640	2.3	9.3	0	-
Cadmium	410	0.1	0.21	0	-
Chromium	8600	4	250	0	-
Chromium III	8600	4	250	0	-
Chromium VI	49	0.5	0.5	0	-
Copper	68000	1.4	350	0	-
Lead	2330	5.2	60	0	-
Mercury (Total)	1100	0.05	0.25	0	-
Nickel	980	0.78	120	0	-
Selenium	12000	0.25	0.45	0	-
Zinc	730000	6	79	0	-

Notes

- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- A total of 30 representative soil samples were tested for these substances

A summary of the Inorganic (General) soil chemical test results are shown in the table below.

Table 5.5: Soil Chemical Test Results – Inorganics (General)					
Substance	Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
	Commercial	Min	Max		
pH (pH Units)	Considered in BRE SD1, BS3882, BS8601 and/or UKWIR	5.9	10.1	0	-
Cyanide (Total)	480	0.5	1.3	0	-
Organic Matter	Considered in Organic Contaminant Guideline Value Assessment, BS3882 and/or BS8601	0.4	10	0	-
Sulphate (Total) (%)	Considered in BRE SD1	0.016	0.5	0	-

Notes

- SGV - Soil Guideline Value
- BRE SD1: 2005 - Concrete in Aggressive Ground
- BS 3882: 2015 - Specification for Topsoil
- BS 8601: 2013 - Specification for Subsoil and requirements for use
- A total of 30 representative soil samples were tested for these substances

A summary of the Organic (General) soil chemical test results are shown in the table below.



Table 5.6: Soil Chemical Test Results – Organics (General)							
Substance	Land Use / Guideline Values (mg/kg)		Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL	
	Commercial		Min	Max			
	<b>SOM</b>						
Total Phenol	1	440	0.1	2.2	0	-	
	2.5	690			0		
	6	1300			0		
Total PAH*		-	2	130	-	-	
Total EPH (C10-C40)**		-	10	2000	-	-	
BTEX	Benzene		0.001	0.001	0	-	
	Toluene	1	56000	0.001	0.001	0	-
		2.5	110000			0	
		6	180000			0	
	Ethylbenzene	1	5700	0.001	0.001	0	-
		2.5	13000			0	
		6	27000			0	
	Xylene***	1	5900	0.001	0.001	0	-
		2.5	14000			0	
		6	30000			0	
	Methyl tert-butyl ether (MTBE)	1	7900	0.001	0.001	0	-
		2.5	13000			0	
6		24000	0				

Notes

- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- CL:AIRE - Generic Assessment Criteria (GAC)
- SOM - Soil Organic Matter
- \* Total PAH - Poly-Aromatic Hydrocarbons, EPA 16 (See Speciated PAH Results Table)
- \*\* Total EPH – Extractable Petroleum Hydrocarbons, Ali/Aro (See Speciated PH Results Table)
- \*\*\* - Guideline Value based on worse case of O, M or P - Xylene
- - No comparable Guideline Value
- A total of 30 representative soil samples were tested for these substances

In order to accurately assess the risk from Total PAH, speciation was undertaken, which splits the total PAH concentration into its sixteen components.

A summary of the Organic (Speciated PAH) soil chemical test results are shown in the table below.

Table 5.7: Soil Chemical Test Results – Organics (Speciated PAH)						
Substance	Land Use / Guideline Values (mg/kg)		Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
	Commercial		Min	Max		
	<b>SOM</b>					
Naphthalene	1	190	0.1	3	0	-
	2.5	460			0	
	6	1100			0	
Acenaphthylene	1	83000	0.1	0.72	0	-
	2.5	97000			0	

	6	100000			0	
Acenaphthene	1	84000	0.1	2.3	0	-
	2.5	97000			0	
	6	100000			0	
Fluorene	1	63000	0.1	2.1	0	-
	2.5	68000			0	
	6	71000			0	
Phenanthrene	1	22000	0.1	13	0	-
	2.5	22000			0	
	6	23000			0	
Anthracene	1	520000	0.1	3.6	0	-
	2.5	540000			0	
	6	540000			0	
Fluoranthene	1	23000	0.1	20	0	-
	2.5	23000			0	
	6	23000			0	
Pyrene	1	54000	0.1	18	0	-
	2.5	54000			0	
	6	54000			0	
Benzo(a)anthracene	1	170	0.1	9.6	0	-
	2.5	170			0	
	6	180			0	
Chrysene	1	350	0.1	11	0	-
	2.5	350			0	
	6	350			0	
Benzo(b)fluoranthene	1	44	0.1	13	0	-
	2.5	44			0	
	6	45			0	
Benzo(k)fluoranthene	1	1200	0.1	5.1	0	-
	2.5	1200			0	
	6	1200			0	
Benzo(a)pyrene		77	0.1	10	0	-
Indeno(1,2,3-cd)pyrene	1	500	0.1	7.8	0	-
	2.5	510			0	
	6	510			0	
Dibenzo(a,h)anthracene	1	3.5	0.1	3	0	-
	2.5	3.6			0	
	6	3.6			0	
Benzo(g,h,i)perylene	1	3900	0.1	11	0	-
	2.5	4000			0	
	6	4000			0	

## Notes

- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- SOM - Soil Organic Matter
- A total of 30 representative soil samples were tested for these substances

In order to accurately assess the risk from Total PH, speciation was undertaken, which splits the Total PH concentration into carbon bandings in accordance with the Total Petroleum Hydrocarbon Criteria Working Group (CWG).

A summary of the Organic (Speciated PH) soil chemical test results are shown in the table below.

Table 5.8: Soil Chemical Test Results – Organics (Speciated PH)								
Substance		SOM	Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL	
			Commercial	Min	Max			
Aliphatic	VPH <C5-C6	1	3200	1	1	0	-	
		2.5	5900			0		
		6	12000			0		
	VPH <C6-C8	1	7800	1	1	0	-	
		2.5	17000			0		
		6	40000			0		
	VPH <C8-C10	1	2000	1	1	0	-	
		2.5	4800			0		
		6	11000			0		
	EPH <C10-C12	1	9700	1	1	0	-	
		2.5	23000			0		
		6	47000			0		
	EPH <C12-C16	1	59000	1	1	0	-	
		2.5	82000			0		
		6	90000			0		
	EPH <C16-C21 <sup>+</sup>	1	1600000	1	670	0	-	
		2.5	1700000			0		
		6	1800000			0		
	EPH <C21-C35 <sup>+</sup>	1	1600000	1	160	0	-	
		2.5	1700000			0		
		6	1800000			0		
	Aromatic	VPH <C5-C7	1	260000	1	1	0	-
			2.5	46000			0	
			6	86000			0	
VPH <C7-C8		1	56000	1	1	0	-	
		2.5	110000			0		
		6	180000			0		
VPH <C8-C10		1	3500	1	1	0	-	
		2.5	8100			0		
		6	17000			0		
EPH <C10-C12		1	16000	1	1	0	-	
		2.5	28000			0		
		6	34000			0		
EPH <C12-C16		1	36000	1	1	0	-	
		2.5	37000			0		
		6	38000			0		
EPH <C16-C21		1	28000	1	18	0	-	
		2.5	28000			0		
		6	28000			0		
EPH <C21-C35		1	28000	1	2000	0	-	
		2.5	28000			0		
		6	28000			0		

## Notes

- S4UL - Suitable for Use Levels
- SOM - Soil Organic Matter
- VPH – Volatile Petroleum Hydrocarbons
- EPH – Extractable Petroleum Hydrocarbons
- \* Based on worse-case Aliphatic C<sub>16</sub>-C<sub>35</sub> fraction
- A total of 30 representative soil samples were tested for these substances

A summary of the Organic (VOCs) soil chemical test results are shown in the table below.

Table 5.9: Soil Chemical Test Results – Organics (VOC's)						
Substance	SOM	Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
		Commercial	Min	Max		
Vinyl Chloride	1	0.059	0.001	0.001	0	-
	2.5	0.077			0	
	6	0.12			0	
1,1-Dichloroethene	1	26	0.001	0.001	0	-
	2.5	46			0	
	6	220			0	
Trans 1,2-Dichloroethene	1	22	0.001	0.001	0	-
	2.5	40			0	
	6	81			0	
1,1-dichloroethane	1	280	0.001	0.001	0	-
	2.5	450			0	
	6	850			0	
cis 1,2-Dichloroethene	1	14	0.001	0.001	0	-
	2.5	24			0	
	6	47			0	
Chloromethane	1	1	0.001	0.001	0	-
	2.5	1.2			0	
	6	1.6			0	
Chloroethane	1	960	0.002	0.002	0	-
	2.5	1300			0	
	6	2100			0	
Bromomethane		0.0002 (LoD)	0.02	0.02	0	-
Trichloromethane	1	99	0.001	0.001	0	-
	2.5	170			0	
	6	350			0	
1,1,1-trichloroethane (TCA)	1	660	0.001	0.001	0	-
	2.5	1300			0	
	6	3000			0	
1,1-dichloropropene		0.0002 (LoD)	0.001	0.001	0	-
Tetrachloromethane	1	2.9	0.001	0.001	0	-
	2.5	6.3			0	
	6	14			0	
Benzene		98	0.001	0.001	0	-
1,2-dichloroethane	1	0.67	0.002	0.002	0	-



	2.5	0.97			0	
	6	1.7			0	
Dichlorodifluoromethane		0.0002 (LoD)	0.001	0.001	0	-
Trichlorofluoromethane		0.0002 (LoD)	0.001	0.001	0	-
1,2-dichloropropane	1	3.3	0.001	0.001	0	-
	2.5	5.9			0	
	6	12			0	
Dibromomethane		0.0002 (LoD)	0.001	0.001	0	-
Tribromomethane		0.0002 (LoD)	0.001	0.001	0	-
Bromodichloromethane	1	2.1	0.005	0.005	0	-
	2.5	3.7			0	
	6	7.6			0	
cis-1,3-dichloropropene		0.0002 (LoD)	0.01	0.01	0	-
Toluene	1	56000	0.001	0.001	0	-
	2.5	110000			0	
	6	180000			0	
trans-1,3-dichloropropene		0.0002 (LoD)	0.01	0.01	0	-
1,1,2-trichloroethane	1	94	0.01	0.01	0	-
	2.5	190			0	
	6	400			0	
Tetrachloroethene	1	19	0.001	0.001	0	-
	2.5	42			0	
	6	95			0	
1,3-dichloropropane		0.0002 (LoD)	0.002	0.002	0	-
Dibromochloromethane		0.0002 (LoD)	0.01	0.01	0	-
1,2-dibromoethane		0.0002 (LoD)	0.005	0.005	0	-
Chlorobenzene	1	56	0.001	0.001	0	-
	2.5	130			0	
	6	290			0	
1,1,1,2-tetrachloroethane	1	110	0.002	0.002	0	-
	2.5	250			0	
	6	560			0	
Ethylbenzene	1	5700	0.001	0.001	0	-
	2.5	13000			0	
	6	27000			0	
m+p-Xylene*	1	5900	0.001	0.001	0	-
	2.5	14000			0	
	6	30000			0	
o-Xylene	1	6600	0.001	0.001	0	-
	2.5	15000			0	
	6	33000			0	
Styrene	1	3300	0.001	0.001	0	-
	2.5	6500			0	
	6	11000			0	
Tert-Butylbenzene		0.0002 (LoD)	0.001	0.001	0	-
Isopropylbenzene	1	1400	0.001	0.001	0	-
	2.5	3300			0	
	6	7700			0	
Bromobenzene	1	97	0.001	0.001	0	-
	2.5	220			0	

	6	520			0	
1,2,3-trichloropropane		0.0002 (LoD)	0.05	0.05	0	-
4-Isopropyltoluene		0.0002 (LoD)	0.001	0.001	0	-
2-chlorotoluene		0.0002 (LoD)	0.001	0.001	0	-
1,3,5-trimethylbenzene		0.0002 (LoD)	0.001	0.001	0	-
4-chlorotoluene		0.0002 (LoD)	0.001	0.001	0	-
1,2,4-trimethylbenzene	1	42	0.001	0.001	0	-
	2.5	99			0	
	6	220			0	
sec-butylbenzene		0.0002 (LoD)	0.001	0.001	0	-
1,3-dichlorobenzene	1	30	0.001	0.001	0	-
	2.5	73			0	
	6	170			0	
1,4-dichlorobenzene	1	4400	0.001	0.001	0	-
	2.5	10000			0	
	6	25000			0	
n-butylbenzene		0.0002 (LoD)	0.001	0.001	0	-
1,2-dichlorobenzene	1	2000	0.001	0.001	0	-
	2.5	4800			0	
	6	11000			0	
1,2-dibromo-3-chloropropane		0.0002 (LoD)	0.05	0.05	0	-
1,2,4-trichlorobenzene	1	220	0.001	0.001	0	-
	2.5	530			0	
	6	1300			0	
Hexachlorobutadiene (HCBd)	1	31	0.001	0.001	0	-
	2.5	66			0	
	6	120			0	
1,2,3-trichlorobenzene	1	102	0.002	0.002	0	-
	2.5	250			0	
	6	590			0	

Notes

- C4SL - Provisional Category 4 Screening Levels
- S4UL - Suitable for Use Levels
- CL:AIRE - Generic Assessment Criteria (GAC)
- SOM - Soil Organic Matter
- \* - Guideline Value based on worse case of P – Xylene
- LoD - Limit of Detection
- A total of 29 representative soil samples were tested for these substances

A summary of the Organic (SVOCs) soil chemical test results are shown in the table below.

Table 5.10: Soil Chemical Test Results – Organics (SVOC's)						
Substance	SOM	Land Use / Guideline Values (mg/kg)	Measured Levels of Substances (mg/kg)		Number of exceedances	95% UCL
		Commercial	Min	Max		
Phenol	1	440	0.5	0.5	0	-
	2.5	690			0	
	6	1300			0	

Hexachloroethane	1	22	0.5	0.5	0	-
	2.5	53			0	
	6	120			0	
2-Chlorophenol	1	3500	0.5	0.5	0	-
	2.5	4000			0	
	6	4300			0	
N-Nitrosodimethylamine		0.05 (LoD)	1	0.5	0	-
2-Methylphenol	1	160000	0.5	0.5	0	-
	2.5	180000			0	
	6	180000			0	
Bis(2-chloroisopropyl)ether		0.05 (LoD)	0.5	0.5	0	-
4-Methylphenol	1	160000	0.5	1.4	0	-
	2.5	180000			0	
	6	180000			0	
2,4-Dimethylphenol		16000	0.5	0.5	0	-
Dibenzofuran		0.05 (LoD)	0.5	0.51	0	-
2,4-Dichlorophenol	1	3500	0.5	0.5	0	-
	2.5	4000			0	
	6	4300			0	
1,2,4-Trichlorobenzene	1	220	1	1	0	-
	2.5	530			0	
	6	1300			0	
4-Chloro-3-methylphenol		0.05 (LoD)	0.5	0.5	0	-
2-Methylnaphthalene		0.05 (LoD)	0.5	0.5	0	-
Hexachlorocyclopentadiene		0.05 (LoD)	0.5	0.5	0	-
2,4,6-Trichlorophenol	1	3500	0.5	0.5	0	-
	2.5	4000			0	
	6	4300			0	
2,4,5-Trichlorophenol	1	3500	0.5	0.5	0	-
	2.5	4000			0	
	6	4300			0	
2-Chloronaphthalene		390	0.5	0.5	0	-
2-Nitroaniline		0.05 (LoD)	0.5	0.5	0	-
2,4-Dinitrotoluene	1	3700	0.5	0.5	0	-
	2.5	3700			0	
	6	3800			0	
2,6-Dinitrotoluene	1	1900	0.5	0.5	0	-
	2.5	1900			0	
	6	1900			0	
2-Nitroaniline		0.05 (LoD)	0.5	0.5	0	-
2-Nitrophenol		0.05 (LoD)	0.5	0.5	0	-
4-Nitroaniline		0.05 (LoD)	0.5	0.5	0	-
Dibenzofuran		0.05 (LoD)	1	0.5	0	-
2,4,6-Tetrachlorophenol	1	3500	0.5	0.5	0	-
	2.5	4000			0	
	6	4300			0	
Diethylphthalate		150000	0.5	0.5	0	-
4-Chlorophenylphenylether		0.05 (LoD)	0.5	0.5	0	-
4-Nitroaniline		0.05 (LoD)	0.5	0.5	0	-
4-Chloroaniline		0.05 (LoD)	0.5	0.5	0	-

N-Nitrosodi-n-propylamine		0.05 (LoD)	0.5	0.5	0	-
2-Methyl-4,6-Dinitrophenol		0.05 (LoD)	0.5	0.5	0	-
4-Bromophenylphenylether		0.05 (LoD)	0.5	0.5	0	-
Isophorone		0.05 (LoD)	0.5	0.5	0	-
Hexachlorobutadiene		0.05 (LoD)	1	1	0	-
Hexachlorocyclopentadiene		0.05 (LoD)	0.5	0.5	0	-
Hexachlorobenzene (HCB)	1	110	0.5	0.5	0	-
	2.5	120			0	
	6	120			0	
Pentachlorophenol (PCP)	1	400	0.5	0.5	0	-
	2.5	400			0	
	6	400			0	
Di-n-butylphthalate		15000	0.5	0.5	0	-
Butylbenzylphthalate		940000	0.5	0.5	0	-
Bis(2-ethylhexyl)phthalate		85000	0.5	1.2	0	-
Di-n-octylphthalate		89000	0.5	0.5	0	-
1,4-Dichlorobenzene		0.05 (LoD)	1	1	0	-
Dimethylphthalate		0.05 (LoD)	0.5	0.5	0	-
1,3-Dichlorobenzene		0.05 (LoD)	1	1	0	-
1,2-Dichlorobenzene		0.05 (LoD)	1	1	0	-
Nitrobenzene		0.05 (LoD)	0.5	0.5	0	-
4-Chlorophenylphenylether		0.05 (LoD)	0.5	0.5	0	-
Diethyl Phthalate	1	150000	0.5	0.5	0	-
	2.5	220000			0	
	6	290000			0	
Azobenzene		0.05 (LoD)	0.5	0.5	0	-
Carbazole		0.05 (LoD)	0.5	1.3	0	-

## Notes

- **S4UL** - Suitable for Use Levels
- **CL:AIRE** - Generic Assessment Criteria (GAC)
- **SGV** - Soil Guideline Value
- SOM - Soil Organic Matter
- LoD - Limit of Detection
- A total of 23 representative soil samples were tested for these substances

A summary of the Miscellaneous (Asbestos) soil chemical test results are shown in the table below.

**Table 5.11: Soil Chemical Test Results – Miscellaneous (Asbestos)**

Sample No. & Depth (m)		ID Result	Total Mass (%)
WS01	0.40	No Asbestos Detected	-
WS01	0.10	No Asbestos Detected	-
WS02	0.80	No Asbestos Detected	-
WS03	0.50	No Asbestos Detected	-
WS07	0.30	No Asbestos Detected	-
WS07	0.60	No Asbestos Detected	-
WS09	1.00	No Asbestos Detected	-
WS13	0.30	No Asbestos Detected	-
WS14	0.90	No Asbestos Detected	-
WS14	0.30	No Asbestos Detected	-
WS15	0.30	No Asbestos Detected	-
WS17	0.75	No Asbestos Detected	-



WS17	0.45	No Asbestos Detected	-
WS19	0.20	No Asbestos Detected	-
WS20	0.60	No Asbestos Detected	-
WS20	0.30	No Asbestos Detected	-
WS21	0.40	No Asbestos Detected	-
WS22	1.10	No Asbestos Detected	-
WS23	0.20	No Asbestos Detected	-
WS23	0.05	No Asbestos Detected	-
WS24	1.00	No Asbestos Detected	-
WS19	0.60	No Asbestos Detected	-

## 5.4 Contaminants of Concern in Soils

### 5.4.1 Soils

Contaminants of concern are those where the measured concentrations and 95% Upper Confidence Limit exceeds the relevant Tier 1 CLEA Soil Guideline Value or CIEH Generic Assessment Criteria.

It can be seen from Tables 5.4 to 5.11 that none of the contaminants tested were above the SGV for their respective zone screening criteria, and therefore no contaminants of concern have been identified.

## 5.5 Waste Acceptance Procedure

Any materials to be removed from site should be subject to the Waste Acceptance Procedure (WAP) in order to appropriately classify the waste for the correct type of landfill.

The results of the testing are given in the table below.

**Table 5.12: Waste Acceptance Criteria Testing**

Sample Location	Sample Depth (m)	Comments	Landfill Waste Acceptance
WS01	0.10	-	INERT
WS03	0.50	Fails inert on Molybdenum and Total Dissolved Solids	SNRHW
WS07	0.30	-	INERT
WS09	1.40	-	INERT
WS13	0.30	Fails inert on Antimony	SNRHW
WS17	0.45	Fails inert on Total Organic Carbon	SNRHW
WS19	0.20	Fails inert on Total Organic Carbon, Total TPH, Total PAH's,	SNRHW
WS20	0.60	Fails inert on Total Organic Carbon and Total TPH	SNRHW
WS23	0.20	Fails inert on Molybdenum	SNRHW
WS24	1.00	-	INERT

Based on the results of the WAC testing, the shallow deposits have been largely classed as SNRHW waste.

We recommend that the attached results be made available to the relevant parties to determine its classification and acceptance before haulage.

The results of the WAC testing have been included in **Annex D**.

## 5.6 Waste Classification

On the basis of the soils chemical test results, the soils were classified based on the identified hazard phases as defined in accordance with waste classification algorithms detailed in Environmental Agency publication WM3 (V.1, 2015), using the HazWaste Online software.

Using the results from the chemical analysis for the samples analysed, the following waste classification has been identified in the table below.

Table 5.13: Summary of Waste Classification				
Sample Location	Sample Depth (m)	Waste Classification	EWC Code	Additional Comments
WS01	0.10	Non-Hazardous	17 05 04	-
WS01	0.40	Non-Hazardous	17 05 04	-
WS02	0.80	Non-Hazardous	17 05 04	-
WS02	1.50	Non-Hazardous	17 05 04	-
WS03	0.50	Hazardous	17 05 03	Elevated TPH
WS03	1.30	Non-Hazardous	17 05 04	-
WS06	2.05	Non-Hazardous	17 05 04	-
WS07	0.30	Non-Hazardous	17 05 04	-
WS07	0.60	Non-Hazardous	17 05 04	-
WS09	1.00	Non-Hazardous	17 05 04	-
WS09	1.40	Non-Hazardous	17 05 04	-
WS13	0.30	Non-Hazardous	17 05 04	-
WS14	0.90	Non-Hazardous	17 05 04	-
WS14	0.30	Non-Hazardous	17 05 04	-
WS15	0.30	Non-Hazardous	17 05 04	-
WS17	0.75	Non-Hazardous	17 05 04	-
WS17	0.45	Non-Hazardous	17 05 04	-
WS19	0.20	Hazardous	17 05 03	Elevated TPH
WS20	0.60	Hazardous	17 05 03	Elevated TPH
WS20	0.30	Non-Hazardous	17 05 04	-
WS21	0.40	Non-Hazardous	17 05 04	-
WS21	1.25	Non-Hazardous	17 05 04	-
WS22	1.10	Non-Hazardous	17 05 04	-
WS23	0.20	Non-Hazardous	17 05 04	-
WS23	0.05	Non-Hazardous	17 05 04	-
WS24	1.00	Non-Hazardous	17 05 04	-
WS24	1.80	Non-Hazardous	17 05 04	-
WS25	1.30	Non-Hazardous	17 05 04	-
WS26	1.80	Non-Hazardous	17 05 04	-
WS19	0.60	Non-Hazardous	17 05 04	-

Conditions may exist between sampling points which are not representative of testing provided at the site. If anomalous materials are encountered at the site during excavation, the classification should be revisited.

It should be noted that the receiving landfill sites and the Environment Agency have ultimate authority in deciding whether a waste may be accepted, regardless of its classification.

HazWaste Online outputs are included in **Annex E**.

## SECTION 6 Qualitative Risk Assessment/Mitigation Measures

The following is a representation of environmental processes on the site and its immediate vicinity. Its purpose is to identify potential contaminants, pathways and receptors with a view to identifying potential and significant pollution linkages.

### 6.1 Site Summary

Historically, the site has typically comprised of woodland, marshland, heathland before becoming an overspill lake for the adjacent sand and gravel pit to the northwest sometime around 1989.

Historically, the surrounding area (<250m) has typically comprised of several sand and gravel quarries, farming land/nurseries and landfill sites.

A summary of the ground conditions encountered during the Ground Investigation is given in the table below:

<b>Table 6.1 Summary of Ground Conditions</b>			
<b>Stratum</b>	<b>Depth From (m)</b>	<b>Depth to (m)</b>	<b>Description</b>
Made Ground	0.00	6.00 / 7.70	Loose multicolored sandy GRAVEL, gravelly SAND and sandy CLAY with anthropogenic inclusions.
Poole Formation	6.00 / 7.70	>30.00	Stiff bluish grey and grey silty (sandy) CLAY Interbedded at depth with: Dense bluish grey slightly clayey silty fine to medium SAND

The Aquifer Designation Map for the area shows the site to be underlain by a 'Secondary A' Aquifer. These aquifers consist of permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

Surface and perched groundwater flows from the site are likely to be in a southerly direction following the natural topography of the wider area. These waters will probably be collected by an inland river located 104m to the south.

### 6.2 Potential Contaminants

#### 6.2.1 Soils

It can be seen from Tables 5.4 to 5.11 that none of the contaminants tested were above the SGV for their respective zone screening criteria, and therefore no contaminants of concern have been identified.

### 6.3 Potential Receptors

The potential receptors at the site potentially affected during construction of the development are summarised in the table below:

<b>Table 6.2: Summary of Potentially Affected Receptors During Construction</b>
<b>Potentially Affected Receptors</b>
Construction Workers
Neighbouring Site Users
Passers-by

The underlying secondary aquifer
Nearby surface waters and the aquatic life within

The potential receptors at the site potentially affected following construction of the development are summarised in the table below:

<b>Table 6.3: Summary of Potentially Affected Receptors Following Construction</b>
<b>Potentially Affected Receptors</b>
Future Employees / Visitors
Maintenance Contractors
Vegetation from phytotoxic contaminants
Building Materials from aggressive ground conditions
The underlying secondary aquifer
Nearby surface waters and the aquatic life within

## 6.4 Potential Pathways

The site is planned to be occupied by an Energy from Waste (EfW) Incinerator building and associated infrastructure.

How the proposed development finish affects the various possible contamination pathways is considered below, and summarised in Table 6.1.

Potential risks are present during and following construction of the development to potential receptors from ingestion, inhalation, dermal contact, surface water run-off, leaching and groundwater transport. By adhering to the following protection measures any risks can be considered very low.

### Ingestion of soil/soil dust, dermal contact

Any combustible materials found during excavations should be removed and replaced with suitable materials. The combustible materials should be suitably disposed of.

If materials are imported, which are not a natural quarry product with British Standard Certification, or are not sourced from a builders merchant, DIY store or retail outlet in bagged bulk form, analytical validation testing will be required, to ensure that imported materials is suitable and will not cause pollution to the site, and pose a risk to human health.

Any materials to be removed from site should be subject to the Waste Acceptance Procedure (WAP) in order to appropriately classify the waste for the correct type of landfill.

All service runs should be backfilled with inert materials to ensure that future maintenance workers / contractual workers do not come into contact with contaminated soils.

If during the development materials or abnormal ground conditions are encountered that are significantly different to those encountered in the investigation, the occurrence should be reported to the Engineer and appropriate action taken prior to continuing with the works.

The appointed contractor(s) should as a minimum;

1. Comply with all current Health and Safety regulations
2. Provide Method Statements and Risk Assessments in place to deal with measures set out in this section



3. Comply with Control of Substances Hazardous to Health (COSHH) Assessment
4. Maintain a good level of Personal Protection Equipment (PPE)
5. Maintain a good level of hygiene by site workers
6. Put in place dust suppression measures when necessary

The contractor(s) must also strictly adhere to the relevant Pollution Prevention Guidelines which aim to minimise detrimental harm to the environment and health.

Within the documentation prepared by the contractor(s), the following information should be provided, but not limited to:

1. Project Description
2. Key participants/contractor(s)
3. Technical procedures
4. Phasing of works and approximate timescales
5. Site plans to scale
6. Details of consents or license needed
7. Health and Safety, COSHH Assessment, Method Statements and Risk Assessments
8. Emergency contingencies

In addition, the following precautions should also be taken.

1. All potential chemicals and associated risks and emergency procedures for spills/leaks should be considered in a site risk assessment and the details provided to all site employees
2. Any potential pollutant materials or chemicals/detergents used on site should be adequately stored in suitable containers, with clear labelling.
3. Any oil or hazardous substance containers and associated pipe works should be enclosed within a bund.
4. Care taken during delivery of materials, with correct supervision and labelling detailing the substance and its quantities.
5. All delivery drivers should be informed of procedures and restrictions
6. Any materials on delivery should be covered to ensure no spillage from the vehicle.
7. Any detergents, paints, chemicals etc. should not be allowed to be discharged into surface drains or water courses
8. Washing out and cleaning of concrete/cement plant should be carried out in a contained area with adequate measures to collect all run-off water.
9. Security and prevention of vandalism, especially of oil drums/containers.

It is considered that the site will be sufficiently fenced off during development and that dust suppression measures will be made if required, meaning there will be no risk to neighbouring site occupants and passers-by.

The determinants tested were all present at concentrations below the relevant guidelines and therefore, there are no contaminants of concern. Therefore, it is considered that the human health risks are low with respect to the proposed end use and that no mitigation measures will be required for the development.

#### **Inhalation of soil dust /ground gas/radon**

Protection of site workers from soil dust inhalation can be minimised by simple health and safety measures and dust suppression. Neighbouring site occupants and passers-by will similarly not be at risk with dust suppression.

It is considered that site workers, passers-by and neighbouring site occupants are not at risk from ground gas or vapours.

All risks to site users from dust inhalation will be eliminated by appropriate dust suppression measures.

Site end users, upon completion, will similarly not be at risk from soil dust/vapours once the above mentioned remedial measures have been carried out.

Based on the 4 rounds of gas monitoring at the site and in accordance with CIRIA guidance C665 (2007), titled 'Assessing risks posed by hazardous ground gases to buildings' a conservative Gas Screening Value (GSV) 0.0039 l/hr has been derived using the highest ground gas concentration (CO<sub>2</sub> at 4.1%) and the highest flow rate recorded (<0.09/h).

A GSV of 0.039 l/hr classifies the site as Very Low Risk and as 'Gas Characteristic Situation 1' in accordance with CIRIA guidance C665 (2007).

### **Surface water run-off/leaching into the groundwater/groundwater transport**

#### 1. Short-term

In respect of physical effects of the site works during the construction period, there is a very low risk to the environment/adjacent land and water bodies from digging foundations, moving contaminated soil, runoff from construction materials and/or exposed ground, wheel washings and oil or chemical spills.

All adverse effects should however be preventable by due diligence to good construction practice and housekeeping in preventing surface runoff and the spillage of materials. The basic measures that should be taken are as follows:

- Prepare a drainage plan
- Carry out any activities that could cause pollution in a designated, bunded area, away from rivers or boreholes
- Use settlement ponds to remove silty water;
- Store all oils and chemicals in a fully bunded area to prevent leaks or spills

It should be noted that the appointed contractor should provide Method Statements and Risk Assessments to deal with these matters.

#### 2. Long-term

The chemical analysis of soil beneath the site constitutes a Level 2 assessment in terms of Remedial Targets Methodology, where the primary receptor/compliance point is the groundwater.

No leachate or groundwater chemical testing has been undertaken; however it is considered that the risk to the aquatic environment is low due to environmental setting as detailed below:

1. Contaminant concentrations within the site's near surface soils were low and leachates derived from these soils are likely to contain even lower contaminant concentrations. Therefore, if leachates did migrate to a controlled water the effect is likely to be negligible.
2. Site is proposed to be largely capped by hardstanding limiting contact between surface water and potentially impacted materials.
3. The presence of an underlying Secondary Aquifer so the groundwater beneath the site will currently be of low value.
4. There are no groundwater abstraction licenses within the area.
5. Distance to the nearest surface water body (inland river, 104m to the south).

6. The effect of natural attenuation, dilution and absorption will reduce contaminant concentrations with groundwater.

It is therefore considered that there is likely to be a low risk to the aquatic environment and that the next level of assessment (Level 3) is not required, given the environmental setting detailed above.

### Permeation of Water Pipes

If water pipes are to be laid beneath the site an assessment should be made, by the water provider, of soils along the route of the pipe with reference to the material selection criteria using the UKWIR methodology.

## 6.5 Human Health Risks

A Qualitative Risk Assessment on the potential human health effects is detailed in Table 6.4 below:

<b>Table 6.4: Human Health Risk Assessment</b>				
<b>Source</b>	<b>Pathway</b>	<b>Target</b>	<b>Risk Assessment</b>	<b>Mitigation Measures</b>
Made Ground	Dermal contact with soil/dust. Inhalation and ingestion of soil/soil dust	Construction workers	<b>Low Risk</b> with protection measures	COSHH assessment and good level of PPE/ hygiene by site workers/ staff; dust suppression measures if required
Made Ground	Dermal contact with soil/dust. Inhalation and ingestion of soil/soil dust	Neighbouring site occupants, Passers-by	<b>Low Risk</b> during excavation phase of development and on completion	Site screening and dust suppression measures if required
Made Ground	Dermal contact with soil/dust. Inhalation and ingestion of soil/soil dust	Site end users	<b>Low Risk</b>	Contamination testing revealed no contaminants tested were above the regulatory guidelines adopted for the site
Landfill and Ground Gas	Inhalation	Site end users	<b>Very Low Risk</b>	'Gas Characteristic Situation 1'
Radon Gas	Inhalation	Site end users	<b>Low Risk</b>	No Radon protective measures are required.
Made Ground	Permeation of water pipes	Site end users	<b>Low Risk</b>	All chemical lab results to be forwarded to the water provider to assess pipe specification. Made Ground within service trenches should be removed and replaced with clean fill.

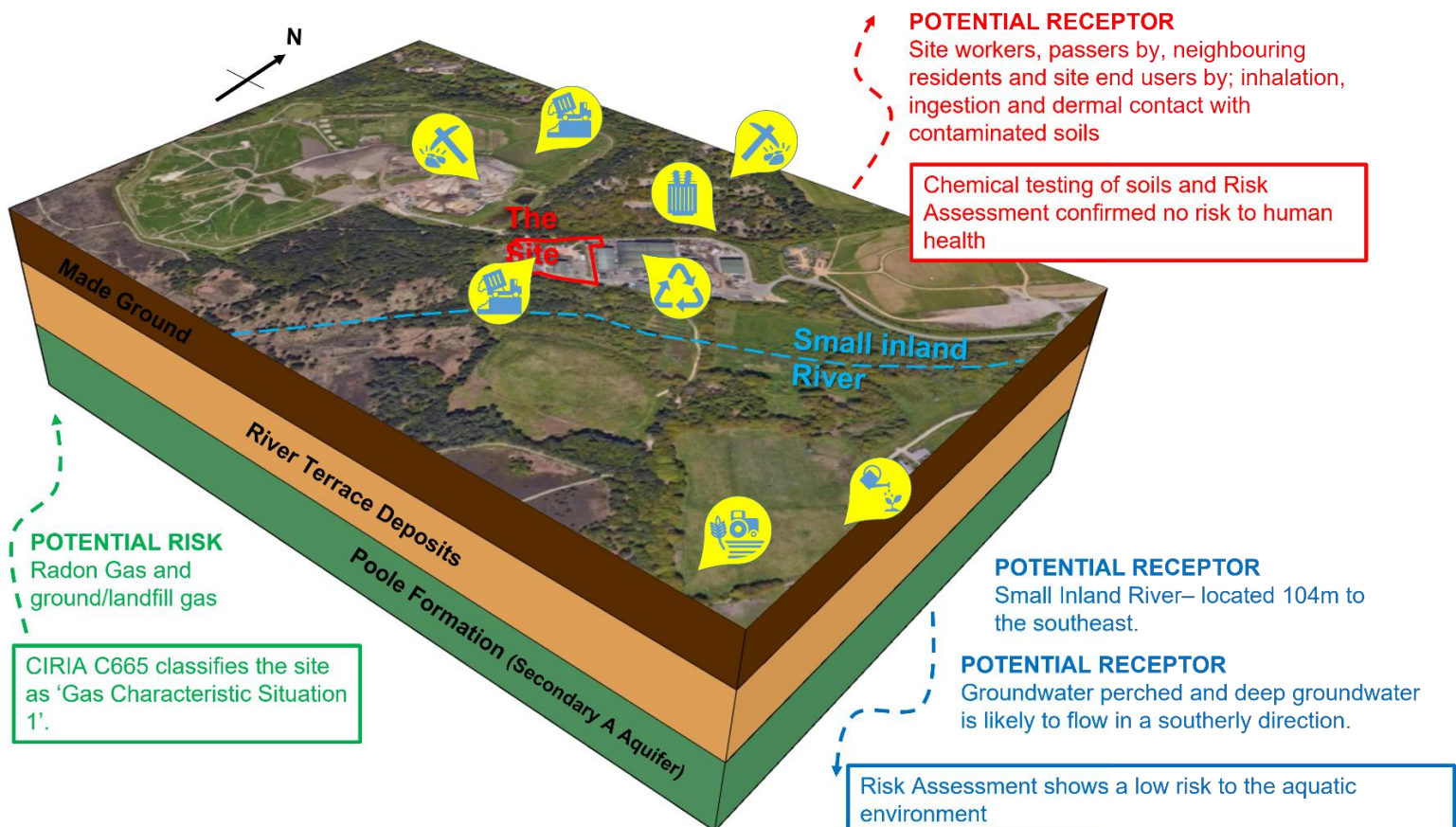
## 6.6 Risks to the Aquatic Environment

A Qualitative Risk Assessment on the potential effects to the aquatic environment is detailed in Table 6.5 below:

Table 6.5: Risks to the Aquatic Environment				
Source	Pathway	Target	Risk Assessment	Mitigation Measures
Made Ground	Surface water run-off	Surface Water	<b>Low Risk</b> due to the environmental setting and low concentrations identified.	Not Applicable
	Leaching into Groundwater	Groundwater	Reduced risk of contaminant migration and deep transmission is due to the installation of drainage systems and the effect of natural dilution and attenuation.	
Made Ground	Leaching into Groundwater	Groundwater	<b>Low Risk</b> during construction and excavation phase of development	Measures to avoid accidental spillage of materials during earthmoving activities, and to control surface run off

### 6.7 Site Conceptual Model

A schematic cross-section of the site is presented below. The cross section is based on the information available from the recent desk study and site investigation. The model is schematic and not to scale.



Drawing 6.1: Revised Site Conceptual Model



## 6.8 Limitations of the Site Conceptual Model

The areas of uncertainty within the conceptual site model are:

- Presence of and composition of the groundwater within the bedrock
- Direction of groundwater flow

## SECTION 7 Geotechnical Laboratory Testing Results

### 7.1 General

A number of bulk, undisturbed and solid core samples were collected, and dispatched to the UKAS accredited laboratories of Geolabs for soil property testing, in accordance with the following:

1. Methods of test for soils for civil engineering purposes – Parts 1 to 8 (BS 1377): 1999.

The results of the below property tests are presented in **Annex F** and discussed below.

#### 7.1.1 Classification Testing

In order to assess the classification characteristics underlying the site, bulk samples were collected, and dispatched to the laboratory for the following soil property tests:

- 5No. Moisture Content (MC)
- 5No. Plasticity Index (P.I)
- 1No. Particle Size Distribution (PSD)
- 3No. Resistivity

In addition, in order to assess the aggressiveness of the underlying the site, bulk samples were collected and dispatched to the laboratory for the following soil chemical tests:

- 5No. BRE SD1 Suite D

A summary of the soil classification test results are shown in the table below.

**Table 7.1: Summary of Soil Classification Test Results**

Test	Location	RC04	RC04	RC04	RC04	RC05	TP01	TP06	TP06	TP06	TP09	
	Depth (m)	10.50	12.00	19.00	22.50	24.50	2.50	1.00	1.50	4.00	1.00	
	Unit	B	B	B	B	B	MG	MG	MG	MG	MG	
Moisture Content	%	25.7	16.8	15.6	10.0	17.5	-	-	-	-	-	
Plasticity	Liquid Limit	%	39	50	43	41	24	-	-	-	-	
	Plastic Limit	%	17	20	18	20	18	-	-	-	-	
	Plasticity Index	%	22	30	25	21	6	-	-	-	-	
	% <425µm	%	100	100	100	100	100	-	-	-	-	
	Modified PI	%	22	30	25	21	6	-	-	-	-	
PSD	Cobbles	%	-	-	-	-	-	-	-	0.0	-	
	Gravels	%	-	-	-	-	-	-	-	20.0	-	
	Sands	%	-	-	-	-	-	-	-	44.5	-	
	Silt/Clay	%	-	-	-	-	-	-	-	35.5	-	
BRE	Total Sulphate	%	0.010	-	-	-	-	0.93	0.27	-	0.089	0.39
	2:1 Sulphate	g/l	0.20	-	-	-	-	0.26	0.24	-	0.070	0.43
	pH	-	6.1	-	-	-	-	7.0	9.0	-	8.6	4.7
	Chloride	Cl/l	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01
	Total Sulphur	%	0.49	-	-	-	-	0.61	0.056	-	0.036	0.22
	Magnesium	g/l	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01
	Nitrate	Mg/l	-	-	-	-	-	<0.01	<0.01	-	<0.01	<0.01
Electrical Resistivity	Ohm/m	21	-	-	-	14	-	-	16	-	-	
Electrical Conductivity	S/m	0.047	-	-	-	0.071	-	-	0.063	-	-	

**Notes**

- Unit: MG (Made Ground), B (Bedrock)

## SECTION 8 Engineering Recommendations

### 8.1 Preparation of Site

Prior to the main site works, any buildings to be demolished should be subject to a full asbestos survey.

A structural survey should be undertaken of the adjacent buildings and structures (road and pavement structures) including pictorial records. This should be updated throughout the site development phases.

Any existing buildings, foundations, floor slabs, concrete/tarmac hard standings beneath the proposed buildings should be broken up and removed from site and disposed of at a suitable landfill facility.

Alternatively, the crushed site won materials may be re-used as structural fill, subject to laboratory chemical testing and compliance with site soil guidance values.

Significant allowances should be made for dealing with the historic foundations, floor slabs, basement structures and other buried obstructions.

The existing grass and scrub vegetation, including all roots and any trees to be removed (and not subject to preservation orders) should be grubbed up and removed from beneath the proposed buildings and roadways.

The reduced levels should be brought up to the required levels with well, compacted imported granular materials. Department of Transport (DoT) Type 2 sub-base or similar may be used and should be compacted in layers, in accordance with the Specification for Highway Works. Alternatively, appropriate selected inert imported fill could be used.

Allowances should be made for removing any 'soft spots/area' and their replacement with well compacted granular materials as previously described. The excavated materials will be unacceptable as structural fill and should be removed from site and taken to an appropriately licensed tip.

All materials to be removed from site should be subject to the appropriate Waste Acceptance Protocol (WAP) and taken to an appropriately licensed tip.

Contingencies should be made for the protection/diversion of any underground services present beneath the site, brought about as a result of the proposed works.

Contingencies should also be made for the protection and any necessary temporary/permanent support of nearby walls.

### 8.2 Foundation Solution

The ground conditions from the site investigation can be summarised as follows:

Table 8.1 Summary of Ground Conditions			
Stratum	Depth From (m)	Depth to (m)	Description
Made Ground	0.00	6.00 / 7.70	Loose multicolored sandy GRAVEL, gravelly SAND and sandy CLAY with anthropogenic inclusions.
Poole Formation	6.00 / 7.70	>30.00	Stiff bluish grey and grey silty (sandy) CLAY, interbedded at depth with Dense bluish grey slightly clayey silty fine to medium SAND



During drilling groundwater was encountered between 8.00 and 10.00m bgl. Post investigation monitoring has confirmed groundwater levels between 4.20m and 7.43m bgl.

Based on the encountered ground conditions the following foundation solution is recommended.

### Piles

Due to nature of the development and the presence of variable Made Ground underlying the site to a significant depth, the use of normal mass concrete shallow foundations founded at shallow depth will prove impractical and would lead to unacceptable settlements and are, therefore, not recommended.

We therefore recommend that a piled foundation solution be founded within the Poole Formation.

Due to the nature of the ground, the piles are likely to be combination of skin friction (friction piles) and end-bearing piles.

Due to the nature of the material encountered within the Made Ground, precast driven piles are unlikely to be appropriate. Therefore, a continuous flight auger (CFA) or bored pile should be adopted.

Pile depths will be a function of the required loads and pile diameters. It is understood that a typical pile load of 1,500 kN is expected. To achieve this required loading, it is anticipated that average pile lengths will be between 16.00 and 20.00 m for 0.90 and 0.60 m diameter piles respectively. Variations in the given pile lengths should also be expected.

Allowances should also be made for negative skin friction that could develop in the cohesive deposits.

It should be noted that while disturbance will be reduced using bored piles the load carrying capacity will also be reduced due to the effect of a loosening annulus around the pile. Casting concrete in situ will produce rough surfaces but this effect is diminished by the loosening of the surrounding material.

To counteract the reduction in load carrying capacity the diameter of the bored pile can be increased.

For the size and type of pile recommended founded within the competent mudstone bedrock, the total settlements should not exceed 10mm, with differential movements between adjacent piles being less than half this value.

The above estimated working loads, type and length of piles should be confirmed by the specialist piling contractor. It may also be prudent to drive a number of test piles at selected locations to confirm their drivability, anticipated lengths and safe working loads.

Allowances should be made for an element of pre-excavation and/or re drilling of piles where obstructions are encountered in the made ground.

All foundation formations should be inspected by a suitably qualified Engineer before being concreted.

### **8.2.1 Infrastructure**

As mentioned in Section 8.2, it is considered that foundations are piled due to the underlying shallow ground conditions and likely high loadings.

Therefore, appropriate measures should be taken in order to prevent misalignment issues due to disproportionate settlement between the proposed development and associated infrastructure, which will not be piled.

In addition, it is recommended that for any hard standing or service entry points adjacent the proposed development that the prepared surface should be covered by a geo-grid and 'terram' prior to further infilling.

## 8.2.2 Floor Slabs

Due to the depth of Made Ground underlying the site (>600mm) ground floor slabs should be designed as suspended.

Void former may be required beneath suspended concrete floors due to the plastic nature of the surface cohesive soils.

Allowances should be made for the removal of any 'soft spots' and their replacement with a suitable concrete mix or well-compacted granular material in layers to the specification for Highway Works.

All floor slab formations should be inspected by a suitably qualified Engineer before being concreted.

## 8.3 Excavations and Formations

Most shallow excavations should be possible with normal soil excavating machinery, although significant allowances should be made for a hydraulic breaker when excavating out any historic foundations, concrete floor slabs and other buried obstructions.

Post investigation groundwater was encountered between 4.20 and 7.43m bgl.

Therefore, it is unlikely that groundwater may be encountered during foundation excavations. Any inflows should be dealt with using conventional pumping techniques.

It should also be noted that during times of high rainfall a higher groundwater table may be encountered.

The sides of any excavations deeper than 1.00m, especially within the granular deposits, should be supported by planking and strutting or other proprietary means.

The sub-formations/formations will be susceptible to loosening, softening and deterioration by exposure to weather (rain, frost and drying conditions), the action of water (flood water or removal of groundwater) and site traffic.

Formations should never be left unprotected and continuously exposed to rain causing degradation, or left exposed/uncovered overnight, unless permitted by a qualified engineer.

Construction plant and other vehicular traffic should not be operated on unprotected formations. As a minimum the formation/excavation surfaces must be protected by a minimum thickness of 200mm of hard cover immediately after exposure.

Allowances should be made for trimming, re-trimming and re-compaction if necessary and for the removal of soft spots and their replacement with well compacted granular materials.

It is also recommended that if concerns still remain then a number of plate loading tests are carried out at formation level to confirm the suitability of the formations.

Allowances should be made for special precautions to prevent formation deterioration in addition to the above.

It is recommended that approval be gained from a qualified engineer of the formation condition before covering them with any subsequent construction.

## 8.4 New Access Road and Car Parking Areas

The in-situ plate load tests (5No.) were carried out at formation level to the requirements of BS1377: Part 9: 1990 using an 600mm diameter plate with a 13-tonne mechanical excavator utilised as a reaction frame (kentledge). The plate load tests were carried out to a maximum loading in excess of the design load.

The in-situ plate load tests were carried out in accordance with 'Methods of test for soils for civil engineering purposes – Part 9 (BS 1377): 1999'.

Based on the data available and extensive depth of variable Made Ground encountered, it is recommended a CBR value of 1% is adopted for the site.

Allowances should be made for the removal of any soft spots and their replacement with well-compacted imported granular materials as previously described.

## 8.5 Storm Drainage

3No in-situ permeability/soakaway test were undertaken at 3No. locations in accordance with the requirements of BRE 365.

Two of the locations (TP04 and TP06) were terminated due to instability within the side walls of the excavation.

Within TP09, the test did not sufficiently drain to 75% to give an infiltration rate. Therefore it is unlikely soakaways will be viable at the site.

Given the extensive and variable depth of Made Ground across the site it is not recommended to discharge any waters into this material.

## 8.6 Protection of Buried Concrete

The results of the BRE testing are given in Table 7.1 and the concrete design is class is summarised in the table below:

<b>Table 8.2: Summary of Concrete Design Class</b>					
	<b>Stratum</b>	<b>Made Ground</b>		<b>Bedrock</b>	
	<b>Unit</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>
Total Sulphate	%	0.089	0.93	0.010	
2:1 Sulphate	g/l	0.070	0.43	0.20	
pH	-	4.7	9.0	6.1	
Chloride	g/l	<0.01	<0.01	-	
Total Sulphur	%	0.036	0.61	0.49	
Magnesium	g/l	<0.01	<0.01	-	
Nitrate	g/l	<0.01	<0.01	-	
Total Potential Sulphate	%	N/A		N/A	
Oxidisable Sulphates >0.3%?		N/A		N/A	
<b>Design Sulphate Class</b>		<b>DS-1</b>		<b>DS-1</b>	
<b>ACEC Class</b>		<b>AC-1</b>		<b>AC-1</b>	

Groundwater was encountered at the site and it is conservatively deemed to be mobile.

Based on the above and using guidance within BRE Special Digest 1 (2005) it is recommended that any buried concrete within the site conforms to Design Class DS-1 and ACEC class AC-1.

## 8.7 Evaluation of In-situ Gas Monitoring Results

As previously discussed, gas-monitoring wells were installed to enable monitoring for the presence of methane, carbon dioxide and oxygen following completion of the fieldworks.

Based on the 4 rounds of gas monitoring at the site and in accordance with CIRIA guidance C665 (2007), titled 'Assessing risks posed by hazardous ground gases to buildings' a conservative Gas Screening Value (GSV) 0.0037 l/hr has been derived using the highest ground gas concentration (CO<sub>2</sub> at 4.1%) and the highest flow rate recorded (0.09/h).

A GSV of 0.0037 l/hr would classify the site as Very Low Risk and as 'Gas Characteristic Situation 1' in accordance with CIRIA guidance C665 (2007).

The gas monitoring results are presented in **Annex G**.



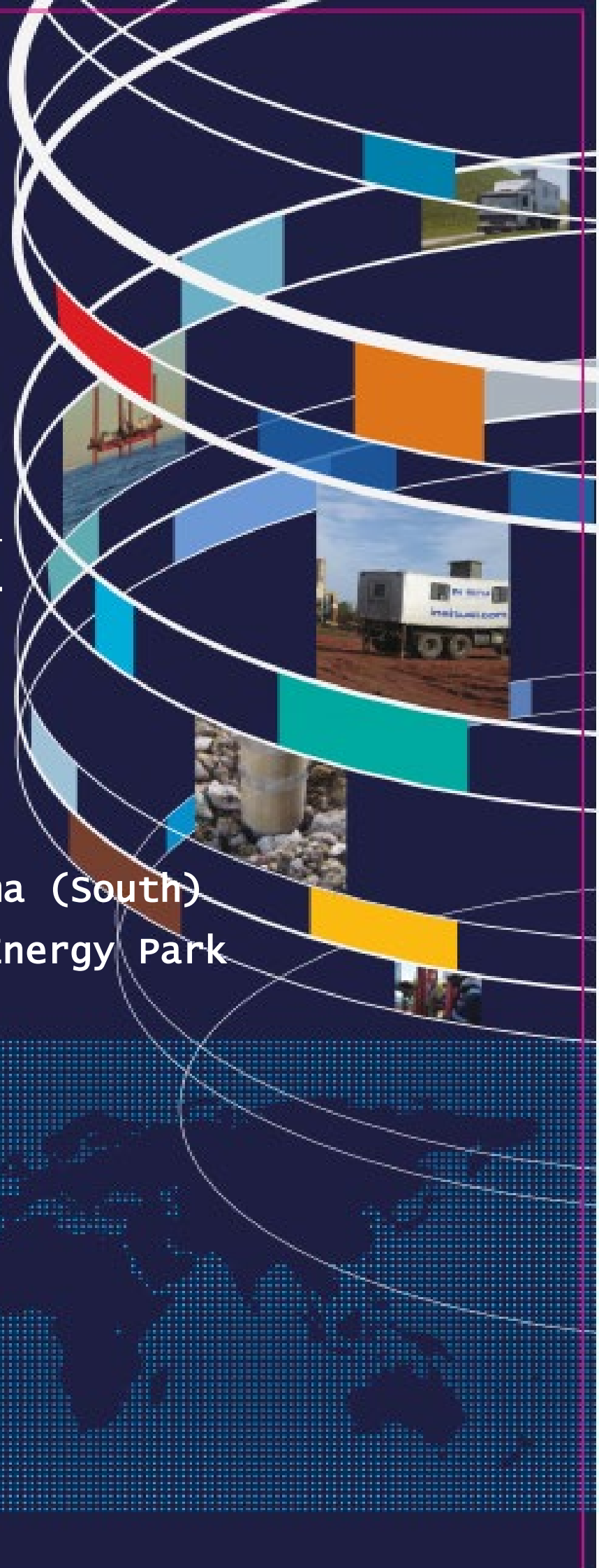
**Annex A: Cone Penetration Testing Report**

# IN SITU

SITE INVESTIGATION

STATIC CONE PENETRATION TEST  
**FACTUAL REPORT**

**CLIENT: Terra Firma (South)**  
**PROJECT: Canford Energy Park**



<b>Project</b>	<b>Canford Energy Park</b>
<b>Project No.</b>	<b>1220328</b>
<b>Client</b>	<b>Terra Firma (South)</b>
<b>Address</b>	<b>The Slate Barn, Lowley, Dunsford, Devon, EX6 7BP</b>

**Attention:** Mr Paul Standish

Dear Mr Standish,

We have pleasure in providing a digital copy of our report and data in AGS format for the above project.

We hope that you are satisfied with the performance of our staff, equipment and reporting on this project. If you should have any queries about any aspect of the works carried out, please do not hesitate to contact us. We look forward to being of service to you in the future.

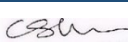


Yours faithfully,

**In Situ Site Investigation Limited**



**Darren Ward**  
**Director**

**Report Issue**

Issue	Date	Prepared	Sign	Checked	Sign	Approved	Sign
01	12/07/2022	Chloe Donovan		Luisa Dhimitri		Darren Ward	

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## 1.0 INTRODUCTION

In Situ Site Investigation Limited (In Situ) was engaged in a geotechnical site investigation at Canford Energy Park at the request of Terra Firma (South). The site investigation consisted of completing 8 Static Piezocone Penetration Tests (CPTU), to provide information on the soil conditions and derived geotechnical parameters at:

Canford Energy Park,  
BH21 3BW

All test locations were provided by the client. A site map is included in the end of Appendix A of this report (if provided by the client). The tests were stopped when they reached the target depth as per the client's technical specifications or for other technical reasons, as detailed in the *Project Summary Table* in *Appendix A.1* and on each CPTU log included in Appendix B of this report.

The fieldwork was carried out on 4<sup>th</sup> July 2022 as per the client's request.

The work on site and the final factual reporting have been undertaken in accordance with the international technical standard *ISO 22476-1:2021(E)*.

## 2.0 FIELDWORK

### 2.1 CONE PENETRATION TESTS

The fieldwork activity is summarised in Table 2.1.

Table 2.1 Fieldwork Summary	
CPT Operator/s	Dom Gain
Date Started	4 <sup>th</sup> July 2022
Date Finished	4 <sup>th</sup> July 2022
In Situ S.I. Project Manager	Darren Ward
Main Contractor's Site Manager	Katie Timkey

#### 2.1.1 Rig Information

Details of CPTU rig used in this project are shown in Table 2.2. Full data sheet for the rig is presented in *Appendix A.2*.

Table 2.2 Rig Summary	
Rig Name	Rig Description
CPT021	20 Tonne Wheel Mounted CPT Rig

#### 2.1.2 CPTU Cone

Details of electric CPTU cone (Type TE2) used in this project conforming to the requirements of Application Class 2 of *ISO 22476-1:2012*, are shown in Table 2.3.

Table 2.3 Cone Summary		
Number	Cross-section area	Filter position
S15-CFIP.2112	15cm <sup>2</sup>	U <sub>2</sub>

A full datasheet of the cone used is shown in *Appendix A.3*.

The cone's measured parameters are shown in Table 2.4.

Table 2.4 Completed Fieldwork Summary
9 CPTU to a maximum depth of 21.84m. Each test measured Cone Resistance, $q_c$ , Sleeve Friction, $f_s$ , Porewater Pressure in the shoulder position, $u_2$ , Inclination in X and Y axes.
<i>Provision of factual report with estimated soil type, derived geotechnical parameters &amp; AGS data file.</i>

### 2.1.3 CPTU Cone Calibration

The cone resistance and sleeve friction are recorded by calibrated load cells in the cone. The CPTU load cells and pressure transducers are regularly calibrated in line with *ISO 22476-1:2021(E)* standard by the cone manufacturer. The cone calibration certificate for the cone used at this site are presented in *Appendix A.4*.

### 2.1.4 CPTU Cone Saturation

The pore water pressure is recorded using a calibrated pressure transducer located in the piezocone. To ensure pore water pressure measurements are not affected by the presence of air in the measuring transducer, a de-airing procedure is carried out prior to each test. The cone and filter are saturated using a glycerine fluid with a viscosity of 10,000 CST.

### 2.1.5 Test Procedure

The tests are carried out in accordance with the *International Standard for Electrical Cone and Piezocone Penetration Test ISO 22476-1:2021(E)*.

The final depths of the tests were determined by either completion to the specified test depth or when the maximal safe capacity of the equipment was reached. A schedule of the tests performed is shown in *Appendix A.1*, which has been compiled from the operators' daily progress reports.

The data is transmitted from the digital CPTU through an umbilical cable that runs through the push rods to the data acquisition system. Results are displayed instantaneously on the computer logging screen. The results are recorded on the computer hard disc.

The rate of penetration is kept constant at 20 mm/s  $\pm$  5 mm/s except when penetrating very dense or hard strata. Before each test is carried out zero values are taken of the cone to check if it is within calibration. At the end of each test, zero values are taken again to see if there has been any drift during the test. These values are inspected during the post processing stage. This is a quality check on the data and the testing procedure. Individual test zero values are shown on their corresponding test results in *Appendix B*.

### 2.1.6 In Situ Pore Pressure ( $u_0$ )

The in situ or hydrostatic pore pressure is required for the calculation of several derived parameters included in this report. For this report, the groundwater level is assumed at 0.5m below ground surface, for calculation purposes. The in situ pore pressure,  $u_0$  values are presented on the pore pressure plot, on *CPT Log 01*, which is included in *Appendix B*.



## 2.2 POSITIONING

Positioning and surveying of all investigated locations was the responsibility of the client.

## 3.0 CONE PENETRATION MEASURED PARAMETERS

All measured parameters of tests carried with the CPTU cone are shown in *Appendix B* and all the information about data processing and results are given in sections 3.1, 3.2 and 3.3.

### 3.1 DATA PROCESSING

The measured parameters, cone end resistance,  $q_c$ , sleeve friction,  $f_s$ , porewater pressure measurements with filter in shoulder position,  $u_2$  and inclination for  $x$  and  $y$  axis,  $l_x$ ,  $l_y$ , were recorded for every 10 mm of penetration keeping a constant speed of 20 mm/s  $\pm$  5 mm/s, which may slightly change when the cone is penetrating hard strata.

The measured data from the site works is processed and presented using specialised CPT software. The interpretations on the CPTU results were carried out following the recommendations of *ISO 22476-1:2021(E)*, *Lunne et al. (1997)* and *Robertson (2015)*. Measured parameters, mentioned in *Sections 3.2* and *3.3*, were used to derive all the geotechnical parameters, which are presented in *Chapter 4.0*. The soil behaviour type method used on this report is *Robertson et al. (1986)*, shown in *Figure 3.2*.

#### 3.1.1 Zero Measurements

Before and after each CPTU test, zero measurements are recorded for each channel of the cone. The zero measurements are presented on the logs in *Appendix B*. This is a routine quality check carried out on site.

### 3.2 MEASURED PARAMETERS

#### 3.2.1 Cone Resistance ( $q_c$ )

Cone resistance,  $q_c$ , is measured as the total force acting on the cone, divided by the projected area of the cone. The results are presented in MPa, on *CPT Log 01*, in *Appendix B*, scale 0-20 MPa with a minor scale printing on the same graph at 0-4 MPa.

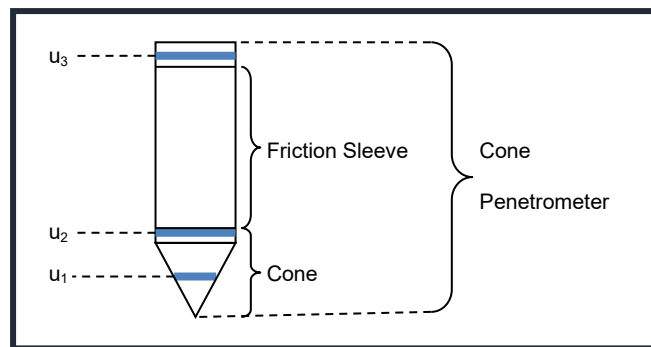
#### 3.2.2 Sleeve Friction ( $f_s$ )

Sleeve friction,  $f_s$ , is measured as the total frictional force acting on the friction sleeve divided by its surface area. The results are presented in kPa, on *CPT Log 01*, in *Appendix B*, using a scale of 0-500 kPa.

### 3.2.3 Porewater pressure ( $u_2$ )

The pore pressure,  $u_2$ , is measured during the test. If the material is free draining and saturation is maintained it will normally measure hydrostatic pore pressure. In materials that are not free draining, it will record the total pore pressure (hydrostatic plus any excess pore pressures generated) created by the cone penetration through this material.

The filter element can be mounted in one of three positions. For all tests carried out in this project the filter was mounted in the  $u_2$  position (see *Figure 3.1*).



**Figure 3.1:** Diagram showing pore pressure filter locations (after Lunne et al., 1997)

### 3.2.4 Inclination ( $I_x, I_y$ )

The CPT rig was set up to obtain a thrust direction as near as possible to vertical. The CPTU cones have inclinometers incorporated to measure the non-verticality of the test. For test depths less than 15 m, significant non-verticality is unusual, provided the initial thrust direction is vertical.

## 3.3 ESTIMATED SOIL BEHAVIOUR TYPE

### 3.3.1 Friction Ratio ( $R_f$ )

The friction ratio,  $R_f$  is the ratio between the sleeve friction and the cone resistance (Lunne et al., 1997).

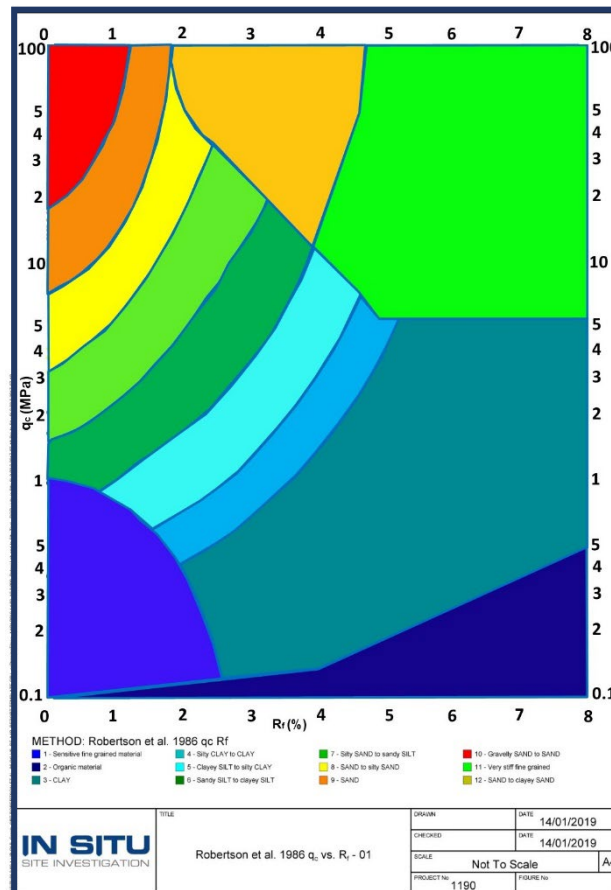
$$\text{Friction Ratio } (R_f) = \left( \frac{\text{Sleeve Friction } (f_s)}{\text{Cone Resistance } (q_c)} \right) \times 100$$

### 3.3.2 Estimated Soil Behaviour Type (SBT)

The estimation of soil behaviour type, *SBT*, using measurements of cone resistance and sleeve friction is based upon the variations of the friction ratio and cone resistance. The friction

ratio varies depending upon whether the soil is cohesive or granular. The cone resistance varies depending on the strength and densities of the soil.

The interpretation used in this report is *Robertson et al. (1986)*, which is shown in Figure 3.2. The results are presented on *CPT Log 01*, in *Appendix B*.



**Figure 3.2:** *Robertson et al., 1986 soil behaviour type chart.*

### 3.3.3 Pore Pressure Ratio ( $B_q$ )

Pore pressure ratio,  $B_q$  is the ratio between the measured pore pressure generated during penetration and the corrected cone resistance minus the total overburden stress.

Pore pressure ratio as defined by *Senneset and Janbu (1985)* is defined as:

$$B_q = \frac{u_2 - u_0}{q_t - \sigma_{vo}}$$

where

- $u_2$  is pore pressure measured between the cone and the friction sleeve
- $u_0$  is equilibrium pore pressure
- $\sigma_{vo}$  is total overburden stress
- $q_t$  is cone resistance corrected for unequal end area effects



### 3.4 APPLIED CORRECTIONS

#### 3.4.1 Corrected Cone Resistance ( $q_t$ )

For each penetration test, the measured cone resistance,  $q_c$ , can be corrected for the “unequal area effect” due to the influence of the ambient pore water pressure acting on the cone.

The correction has been applied using the following equation by Lunne et al., 1997:

$$q_t = q_c + [u_2 \cdot (1 - \alpha)]$$

where

$\alpha$  is the cone area ratio

The cone used on this project has a cone area ratio of 0.79. This value is geometrically measured.

#### 3.4.2 Depth Correction

All tests in the report have been corrected for depth difference caused by inclination. This has been calculated using the method described in *ISO 22476-1:2012*.

To calculate the corrected depth the following formula is used:

$$z = \int_0^l C_{inc} \cdot dl$$

where

$z$  is penetration depth, in  $m$

$l$  is penetration length, in  $m$

$C_{inc}$  is correction factor for the effect of the inclination of the CPTU relative to the vertical axis.

The equation for calculating the correction factor for the influence of the inclination for a bi-axial inclinometer is:

$$C_{inc} = \frac{1}{\sqrt{(1 + \tan^2 \beta_1 + \tan^2 \beta_2)}}$$

where

$\beta_1$  is the angle between the vertical axis and the projection of the axis of the CPTU on a vertical plane, in degrees

$\beta_2$  is the angle between the vertical axis and the projection of the axis of the CPTU on a vertical plane that is perpendicular to the plane of angle  $\beta_1$ , in degrees

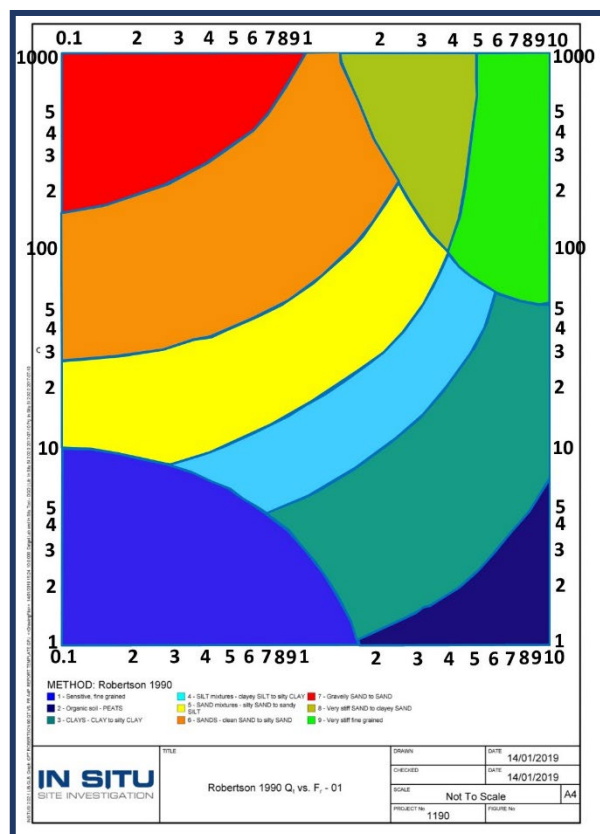
## 4.0 GEOTECHNICAL DERIVED PARAMETERS

A number of empirical correlations can be used to derive geotechnical parameters from CPTU data. This report includes only the parameters which are described in this chapter. The results of all correlations used to obtain the geotechnical derived parameters are presented on *CPT Log 02* and *CPT Log 03* in *Appendix B*.

**Please, note that each empirical correlation is derived for a certain type of soil, and may not be appropriate for all the soil types encountered on this project.**

### 4.1 SOIL BEHAVIOUR TYPE INDEX ( $I_c$ )

The soil behaviour type index,  $I_c$ , was derived by *Jefferies and Davies (1991)*, and was created to simplify the application of CPTU SBT chart shown in *Chapter 3, Figure 3.2*. This approach has been modified for use with the *Robertson (1990)* normalised CPT soil classification chart, *Figure 4.1*. The normalised cone parameters  $Q_t$  and  $F_r$  (for definitions see *Appendix A5 Symbol List*) can be combined into one Soil Behaviour Type Index,  $I_c$ , (*Lunne et al., 1997*).



**Figure 4.1:** Robertson 1990 soil behaviour type chart.

The soil behaviour type index,  $I_c$ , can then be defined using *Robertson (2010)* formula, given below:

$$I_c = ((3.47 - \log Q_t)^2 + (\log F_r + 1.22)^2)^{0.5}$$

where

$Q_t$  is the normalized cone resistance which represents the simple normalization with a stress exponent (n) of 1.0, which applies well to clay-like soils

$F_R$  is the normalized friction ratio, in %

The boundaries of soil behaviour type are then given in terms of the index,  $I_c$ , presented in *Table 4.1* below.

The soils behaviour type index does not apply to zones 1, 8 and 9. The profiles of  $I_c$  provide a simple guide to the continuous variation of soil behaviour type in a given soil profile based on CPTU results, with a reliability greater than 80% compared with soil samples (*Robertson, 2015*).

Zone	Soil Behaviour Type	$I_c$
1	Sensitive fine grained	N/A
2	Organic Soils – clay	>3.6
3	Clays – silty clay to clay	2.95 – 3.6
4	Silt mixtures – clayey silt to silty clay	2.60 – 2.95
5	Sand mixtures – silty sand to sandy silt	2.05 – 2.6
6	Sands – clean sand to silty sand	1.31 – 2.05
7	Gravelly sand to dense sand	<1.31
8	Very stiff sand to clayey sand*	N/A
9	Very stiff fine grained *	N/A

\* Heavily over consolidated or cemented

**Table 4.1:** Normalized CPTU Soil Behaviour Type ( $SBT_n$ ) Index values,  $I_c$ . (*Robertson, 2010*)

## 4.2 N VALUE OF STANDARD PENETRATION TEST (SPT) ( $N_{60}$ )

The derived  $N$  value of SPT,  $N_{60}$ , is strongly and directly related to the cone resistance,  $q_c$ .

In this report the  $N_{60}$  value is derived using the following correlations, developed by *Robertson and Wride (1998)*, *Jefferies and Davies (1998)* and *Robertson (2012)*:

- 1) *Robertson & Wride (1998)*

$$N_{60} = \frac{q_c}{8.5 \cdot p_a \left(1 - \frac{I_c}{4.6}\right)}$$

- 2) *Jefferies and Davies (1993)*

$$N_{60} = \frac{q_c}{0.85 \cdot \left(1 - \frac{I_c}{4.75}\right)}$$

- 3) *Robertson (2012)*

$$N_{60} = \frac{\frac{q_c}{p_a}}{10^{1.1268 - 0.2817I_c}}$$

where

- $q_c$  is the cone resistance
- $p_a$  is the atmospheric pressure equal to *100 kPa*
- $I_c$  is the soil behaviour type index calculated as given in *section 4.1*

It is suggested that these methods provide a better estimation of the  $N_{60}$  value than the actual measured  $N$ , due to the poor repeatability of SPT test. However, in fine grained soil with high sensitivity these methods may overestimate  $N_{60}$  (*Jefferies and Davies, 1991*). The third method suggested by *Robertson (2012)* provides improved estimates of  $N_{60}$  for insensitive clays.

## 4.3 RELATIVE DENSITY ( $D_r$ )

Relative density,  $D_r$ , is an intermediate parameter for coarse grained soils, widely used to describe sand deposits. All the research on deriving the relative density from CPTU tests results are carried out for **clean predominantly quartz sands**. The studies have shown that CPTU resistance in granular soils is controlled by sand relative density, in situ effective stresses and compressibility. The more compressible sands tend to give lower penetration resistance for a given relative density than less compressible sands.

In this report relative density is calculated using the methods suggested by *Baldi et al., (1986)*, *Jamiolkowski et al., (2001)* and *Kulhawy and Mayne (1990)* as shown in the equations below:



1) Baldi et al., (1986)

$$D_r = \frac{1}{C_2} \cdot \ln \left( \frac{q_c \cdot Wehr}{C_1 \cdot (\sigma'_{v0})^{0.55}} \right) \cdot 100$$

where

$C_1$  is a consolidation coefficient which is 157 for normally consolidated soils and 181 for over consolidated soils

$C_2$  is a consolidation coefficient which is 2.41 for normally consolidated soils and 2.46 for over consolidated soils

Wehr is a correction coefficient for calcareous soils

2) Jamiolkowski et al., (2001)

$$D_r = 100 \cdot \left[ 0.268 \cdot \ln \left( \frac{q_t / \sigma_{atm}}{\sqrt{\sigma'_{v0} / \sigma_{atm}}} \right) + C_1 \right]$$

where

$C_1$  is a compressibility coefficient which is -0.675 for average compressible soils,  $\leq 1.0$  for high compressible soils and carbonate or calcareous sands and  $\geq -2.0$  for low compressible soils

$q_t$  is corrected cone resistance

$\sigma_{atm}$  is the atmospheric pressure

3) Kulhawy and Mayne, (1990)

$$D_r = \left[ \frac{q_{c1}}{305 \cdot C_1 \cdot OCR^{0.18} \cdot (1.2 + 0.05 \cdot \log(t/100))} \right]^{0.5} \cdot 100$$

where

$q_{c1}$  is the cone resistance corrected for initial vertical effective stress and atmospheric pressure, calculated by the following formula

$$q_{c1} = \frac{q_c}{\sqrt{\sigma'_{v0} \cdot \sigma_{atm}}}$$

where

$q_c$  is the cone resistance in *kPa*

$\sigma'_{v0}$  is the initial vertical effective stress in *kPa*

$C_1$  is a compressibility coefficient which is -0.91 for low compressible sands, 1.0 for medium compressible sands and 1.09 for high compressible sands

t is time in years

#### 4.4 FRICTION ANGLE ( $\phi'$ )

Friction angle,  $\phi'$ , is used to express the shear strength of uncemented, coarse grained soils. In this report friction angle is derived by the correlations of *Mayne and Campanella (2005)*, *Robertson and Campanella (1983)* and *Kulhawy and Mayne (1990)*.

- 1) Mayne and Campanella, (2005)

$$\phi' = 29.5^0 \cdot B_q^{0.121} \cdot [0.256 + 0.336 \cdot B_q + \log Q_t]$$

where

$B_q$  is the pore pressure ratio, calculated as in Session 3.3

$Q_t$  is the normalized cone resistance

- 2) Robertson and Campanella, (1983)

$$\phi' = \tan^{-1} \left( 0.1 + 0.38 \cdot \log \left( \frac{q_t}{\sigma'_{v0}} \right) \right)$$

where

$q_c$  is the cone resistance in *kPa*

$\sigma'_{v0}$  is the initial vertical effective stress in *kPa*

- 3) Kulhawy and Mayne, (1990)

$$\phi' = 17.6^0 + 11.0^0 \cdot \log(q_{t1})$$

where

$q_{t1}$  is the corrected cone resistance corrected for initial vertical effective stress and atmospheric pressure, calculated by the following formula

$$q_{t1} = \frac{q_t}{\sqrt{\sigma'_{v0} \cdot \sigma_{atm}}}$$

The method suggested by *Mayne and Campanella (2005)* will not provide reliable results for heavily over consolidated soils, fissured geomaterials and highly cemented or structures clays. This approach gives reliable results when pore pressure is positive and varies  $0.1 < B_q < 1.0$ . The correlation suggested by *Robertson and Campanella (1983)* estimates the peak friction angle for uncemented, unaged, moderately compressible, predominately quartz sands. For sands of higher compressibility, the method will tend to predict low friction angles. The method suggested by *Kulhawy and Mayne (1990)* is an alternate relationship for clean, rounded, uncemented, quartz sands.

#### 4.5 FINES CONTENT (FC)

The fines content,  $FC$ , in this report is estimated using two different methods, one from *Robertson and Wride (1998)* and the other, *Suzuki et al. (1998)* as presented below:

- 1) Robertson and Wride (1998)

$$I_c < 1.26: FC = 0$$

$$1.26 \leq I_c \leq 3.5: FC(\%) = 1.75I_c^{3.25} - 3.7$$

$$3.5 < I_c: FC = 100\%$$

- 2) Suzuki et al. (1998)

$$FC(\%) = 2.8I_c^{2.6}$$

where

$I_c$  is the soil behaviour type index, calculated as in section 4.1

#### 4.6 UNDRAINED SHEAR STRENGTH ( $s_u$ )

Estimation of undrained shear strength,  $s_u$ , from CPTU tests using corrected cone resistance is carried out using the following correlation from *Lunne et al. (1981)*:

$$S_u = \frac{(q_t - \sigma_{v0})}{N_{kt}}$$

where

$N_{kt}$  is the empirical cone factor, which varies from 10 (6 for very soft sensitive fine grained soils) to 20. In this report 3 values are considered: 15, 17.5 and 20.  $N_{kt}$  tends to increase with increasing plasticity and decrease with increasing soil sensitivity. It decreases as  $B_q$  increases. (*Lunne et al., 1997*)

$\sigma_{v0}$  = total overburden stress.

This report only presents the undrained shear strength data on soils with soil behaviour type index,  $I_c$  values greater than 2.60.

The value of undrained shear strength,  $s_u$  to be used in analysis depends on the design problem. In general, the simple shear in the direction of loading often represents the average undrained strength. For larger, moderate to high risk projects, where high quality field and laboratory data may be available, site specific correlations should be developed based on appropriate and reliable values of  $s_u$ .

#### 4.7 SENSITIVITY ( $S_t$ )

The sensitivity,  $S_t$  of clays is defined as the ratio of undisturbed peak undrained shear strength to totally remoulded undrained shear strength.

In this report  $S_t$  is calculated using two correlations developed by *Schmertmann (1978)* and *Mayne (2007)*.

1) Schmertmann (1978)

$$S_t = \frac{s_u}{s_{u(rem)}} = \frac{q_t - \sigma_v}{N_{kt}} \left( \frac{1}{f_s} \right)$$

where

$s_{u(rem)}$  is the remoulded undrained shear strength. It can be assumed equal to the sleeve resistance,  $f_s$ .

2) Mayne (2007)

$$S_t = \frac{0.073 \cdot (q_t - \sigma_{v0})}{f_s}$$

For relatively sensitive clays,  $S_t > 10$ , the value of  $f_s$  can be very low and not very accurate, hence the estimate of sensitivity should be used as a guide only.

## 4.8 SOIL UNIT WEIGHT ( $\gamma$ )

Soil unit weight,  $\gamma$  in this report is calculated by using one method for sands, considered under dry conditions and two methods for clays, considered under saturated conditions. These relationships are developed by *Mayne (2007)* and the equations are presented below:

Dry unit weight for sands:

$$\gamma_{dry} = 1.89 \cdot \log(q_{t1}) + 11.82$$

Saturated unit weight for clays method 1

$$\gamma_{sat} = 8.32 \cdot \log(V_s) - 1.61 \cdot \log(z)$$

Saturated unit for clays method 2

$$\gamma_{sat} = 2.60 \cdot \log(f_s) + 15 \cdot G_s - 26.5$$

where

$q_{t1}$  is the corrected cone resistance corrected for initial vertical effective stress and atmospheric pressure, calculated by the following formula:

$$q_{t1} = \frac{q_t}{\sqrt{\sigma'_{v0} \cdot \sigma_{atm}}}$$

$z$  is the depth

$V_s$  is the shear wave velocity, calculated as  $V_s = 118.8 \cdot \log(f_s) + 18.5$

$G_s$  is the specific gravity of solids, typically between 2.40 and 2.90



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## APPENDIX A



## APPENDIX A1 – Project Summary Sheet

### *Piezocene Tests Summary Sheet*

HOLE ID	Final Depth (m)	Date of Test	Cone Used	Test Remarks
CPT01	0.83	04/07/2022	S15-CFIP.2112	Test refused on total pressure.
CPT02	2.48	04/07/2022	S15-CFIP.2112	Test refused on total pressure.
CPT03	1.74	04/07/2022	S15-CFIP.2112	Test refused on total pressure.
CPT04	2.27	04/07/2022	S15-CFIP.2112	Test refused on total pressure.
CPT05	5.07	04/07/2022	S15-CFIP.2112	Test refused on total pressure.
CPT06	0.25	04/07/2022	S15-CFIP.2112	Test refused on total pressure.
CPT07	21.84	04/07/2022	S15-CFIP.2112	Test refused on total pressure.
CPT08	11.93	04/07/2022	S15-CFIP.2112	Test refused on tip resistance.

## APPENDIX A2 – CPT Rig Datasheet

### RIGS

#### 20 TONNE CPT WHEEL MOUNTED RIG (CPT 021)

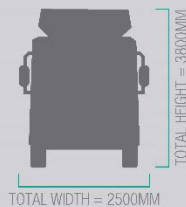
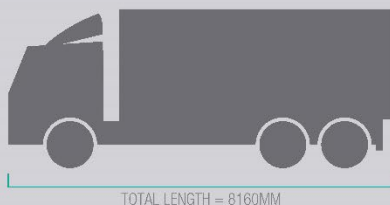
This 6 x 6 wheel drive CPT rig is ideal for geotechnical testing on hardstanding sites such as roads and carparks. Its off road tyres enable it to be used on dry non-hardstanding sites as well, making it one of our more versatile rigs as it can be deployed to many different types of site. It weighs 20 tonnes and can push up to 150 metres in a day, depending on location access and ground conditions.

#### CPT RIG DETAILS

<b>DRIVE SYSTEM</b>	6x6 WHEEL DRIVE
<b>TOTAL WEIGHT</b>	20 TONNES
<b>GROUND BEARING PRESSURE</b>	56kPa
<b>CPT RAM THRUST CAPACITY</b>	20 TONNES
<b>MAXIMUM PENETRATION</b>	30-40M DEPENDING ON THE GROUND CONDITIONS.
<b>PERFORMANCE RATES</b>	120-150M OF TESTING IN A DAY DEPENDING ON ACCESS TO POSITIONS.
<b>TYPICAL SITES FOR THIS RIG</b>	HARDSTANDING SITES, E.G. ROADS, CARPARKS. DRY NON HARDSTANDING SITES.



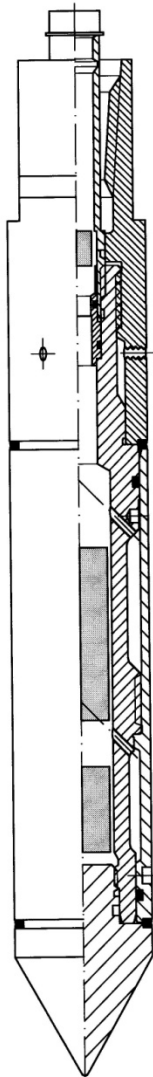
#### CPT RIG DIMENSIONS



**APPENDIX A3 – Cone Datasheet**



Rijksstraatweg 22F  
2171 AL Sassenheim  
Tel. : +31 71 301 92 51  
Fax : +31 71 301 92 52  
E-mail : info@geopoint.nl  
ING bank : 68.23.01.396  
Postbank : 5226758  
BTW nr. : NL806331677801



# SPECIFICATIONS

## S15 SERIES

### ELECTRICAL CONES

The electronic subtraction cones have been developed to address the durability problems inherent in other cone designs. The unit consists of a single element temperature compensated strain gauge transducer for measuring both cone resistance and local sleeve friction. This design is therefore more robust than a compression type cone. The cone support electronics package is located directly behind the transducer. The precision strain gauge amplifiers and power supply eliminate the effects of cable resistance on the measurements. A standard subtraction cone is capable of measuring simultaneously the following channels: Tip, Local friction, Pore pressure, Temperature and Inclination.

**GENERAL SPECIFICATIONS**

Cone Tip Section Area	1,500 mm <sup>2</sup>
Friction Sleeve Surface	22,500 mm <sup>2</sup>
Total Length	325 mm
Weight	4200 g
Power Supply	± 15 VDC, 100 mA.
Output	0 – 10 VDC*
Working Temperature	0 - 60°C
Storage Temperature	- 40 to + 85°C
Connector	Lemo 10 pins (others on request)

**TIP RESISTANCE**

Range	100/150* kN
Accuracy	0.25 % FS
Maximum Load	150 % of range
Cone Area Ratio	0.75

**LOCAL SLEEVE FRICTION**

Range	100/150* kN
Accuracy	0.50 % FS
Maximum Load	150 %
Sleeve Area Ratio	1.0 (EA)

**PORE PRESSURE**

Range	1/2/5/10* MPa
Accuracy	0.5 % FS
Maximum Load	150 % of range

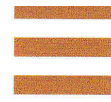
**INCLINATION**

Range	25 ° (biaxial)
Accuracy	< 2 °

All our equipment complies with the ISSMGE, ASTM, DIN and NEN Standards.

*\*Other output and voltage ranges available on request. Loadcells may be calibrated for lower ranges.*

**APPENDIX A4 – Cone Calibration Certificate**



**Eijkelkamp GeoPoint**  
SoilSolutions

Rijkstraatweg 22F  
2171 AL Sassenheim  
The Netherlands

T +31 71 301 9251  
E info@eijkelkamp-geopoint.com  
I eijkelkamp-geopoint.com

**Cone Calibration Certificate**

Certificate: **GS-2112-001**  
Instrument Type: Electric Subtraction Cone  
Model: S15-CFIIP  
Serial number: 2112  
Calibration date: 29-04-2022  
Client: Insitu  
Calibrated by: W.Volgering  
**Calibration instruments**  
Manufacturer: Hottinger Baldwin Messtechnik GmbH  
NMI certificate: 2461165.00501  
**Calibration conditions**  
Ambient temperature: 24.5 °C  
Atmospheric pressure: 1032 mBar  
**Cone specifications**  
Cone base area: 1500 mm2  
Load tip resistance (nom.): 100 kN  
Friction sleeve area: 22500 mm2  
Load tip + local friction (nom.): 100 kN  
Load friction sleeve (nom.): 22.5 kN  
Load pore pressure (nom.): 2 MPa  
Inclination (nom.): +/- 20 °  
Temperature compensation (all channels): 0...+40 °C  
Maximum overload capacity (all channels): 100 %  
Cone area ratio (a): 0.79  
Max. Inaccuracy, relative to measurement value: 1.0 %

Zero points:	Tip:		Sleeve:		Pore Pressure:		Inclinometer:		
	qc in kN	mV	fs in kN	mV	MPa	mV	Degrees	X (mV)	Y (mV)
	0	0	0	0	0	0	0	2517	2458
	5	0288	5	0298	0.4	1447	-20	0593	0468
	10	0577	10	0595	0.8	2896	20	4484	4438
	15	0864	15	0893	1.2	4333			
	20	1155	20	1191	1.6	5768			
	25	1444	25	1491	2	7203			
	30	1733	30	1789					
	35	2022	35	2086					
	40	2310	40	2387					
	45	2599	45	2686					
	50	2888	50	2984					
	75	4330	75	4477					
	100	5771	100	5968					

Max. error, abs. qc: 35 kPa  
Max. error, abs. fs: 2 kPa  
Max. error, abs. u2: 10 kPa  
Max. error, abs. I: 1 °

This calibration is compliant with Eijkelkamp GeoPoint SoilSolutions internal quality system, internal calibration procedures and meets the requirements of NEN2649, NEN-EN-ISO 22476-1, NORSOK G-001, ISSMFE and ASTM using calibration equipment traceable to (Inter-)National Standards.

Approved by: B. Kop  
Date: 29-04-2022

Eijkelkamp GeoPoint SoilSolutions  
V.A.T. NO. NL 8584.21.422.B01  
Trade Reg. Arnhem no. 70686149

IBAN NL43 RABO 0326 7904 38  
BIC: RABONL2U



## APPENDIX A5 – Symbol List

### English

a	is area ratio of the cone ( $= A_n/A_c$ )
A	is area
$A_c$	is projected area of the cone
$A_n$	is cross sectional area of load cell or shaft
$A_s$	is area of friction sleeve
$A_{sb}$	is bottom end area of friction sleeve
$A_{st}$	is top end area of friction sleeve
$B_q$	is pore pressure parameter ( $= (u_2 - u_0)/(q_t - \sigma_{v0})$ )
$C_h$	is horizontal coefficient of consolidation
$C_v$	is vertical coefficient of consolidation
D	is diameter
$D_r$	is relative density ( $= \frac{e_{max}-e}{e_{max}-e_{min}} \times 100\%$ )
e	is void ratio
$e_{max}$	is maximum void ratio
$e_{min}$	is minimum void ratio
E	is Young's modulus
$f_s$	is unit sleeve friction resistance
$f_t$	is sleeve friction corrected for pore pressure effects
$F_s$	is total force acting on friction sleeve
$F_R$	is normalized friction ratio ( $= f_s/(q_t - \sigma_{v0})$ )
FoS	is factor of safety
FC	is fines content
g	is acceleration due to gravity
$G_0$	is initial or maximum shear modulus, shear stiffness
$I_c$	is soil behavior type index
$I_r$	is rigidity index ( $= G/s_u$ )
$I_p$	is plasticity index
k	is coefficient of permeability
$k_h$	is coefficient of permeability in horizontal direction
$k_v$	is coefficient of permeability in vertical direction
$K_0$	is coefficient of earth pressure at rest ( $= \sigma'_{h0}/\sigma'_{v0}$ )
L	is length
$m_v$	is coefficient of volume change
M	is constrained deformation modulus
M7.5	is earthquake magnitude of 7.5 Richter scale
N	is number of blows of SPT
$N_{60}$	is SPT energy ratio
$N_k$	is cone factor
$N_{ke}$	is cone factor
$N_{kt}$	is cone factor
$N_{\Delta u}$	is cone factor
$p_a$	is reference stress ( $= 100 \text{ kPa}$ )
$q_c$	is measured cone resistance
$q_e$	is effective cone resistance ( $= q_t - u_2$ )
$q_n$	is net cone resistance ( $= q_t - \sigma_{v0}$ )
$q_t$	is corrected cone resistance ( $= q_c - (1 - a)u_2$ )
$Q_c$	is total force acting on the cone
$Q_t$	is normalized cone resistance ( $= q_t - \sigma_{v0}/\sigma'_{v0}$ )

$R_f$	is friction ratio ( $= (f_t/q_t) \times 100\%$ or alternatively $= (f_t/q_t) \times 100\%$ )
$s_u$	is undrained shear strength
$s_{ur}$	is remoulded undrained shear strength
$S_t$	is sensitivity
$t$	is time
$t_{50}$	is time for 50% dissipation of excess pore water pressure
$T_{50}$	is time factor at $U = 50\%$
$u$	is pore water pressure
$u_0$	is in situ pore pressure
$u_1$	is pore pressure measured on the cone
$u_2$	is pore pressure measured behind the cone
$u_3$	is pore pressure measured behind sleeve friction
$\Delta u$	is excess pore water pressure
$U$	is normalized excess pore pressure
$V_s$	is shear wave velocity
$z$	is depth

*Greek*

$\alpha$	is constant
$\alpha$	is cone roughness
$\beta$	is constant
$\beta_1$	is the angle between the vertical axis and the projection of the axis of the CPTU on a vertical plane, in degrees
$\beta_2$	is the angle between the vertical axis and the projection of the axis of the CPTU on a vertical plane that is perpendicular to the plane of angle $\beta_1$ , in degrees
$\gamma$	is unit weight of soil
$\gamma_w$	unit weight of water
$\Delta$	is change
$\Delta u$	is excess pore pressure ( $= u - u_0$ )
$\mu$	is Poisson's ratio
$\rho$	is density
$\psi$	is state parameter
$\sigma, \sigma'$	is normal stress (total, effective)
$\sigma_h, \sigma'_h$	is horizontal stress (total, effective)
$\sigma_v, \sigma'_v$	is horizontal stress (total, effective)
$\sigma_{v0}, \sigma'_{v0}$	is overburden stress (total, effective)
$T_{av}$	is average cyclic shear stress
$T_{cy}$	is cyclic shear stress
$\phi'$	is effective friction angle

## APPENDIX A6 – Abbreviations

ASTM	American Society for Testing and Materials
CPTU	Cone Penetration Test with Pore Pressure Measurement (Piezocone Test)
CRR	Cyclic Resistance Ratio
CSR	Cyclic Stress Ratio
GWT	Ground Water Table
NC	Normally Consolidated
OC	Over consolidated
OCR	Over consolidation Ratio
PL	Limit Pressure
SCPT	Seismic Cone Penetration
SDMT	Seismic Dilatometer Marchetti
SPT	Standard Penetration Test
TC	Technical Committee

## APPENDIX A7 – Glossary

### CPT

Cone Penetration Test.

### Cone

The part of the cone penetrometer on which the end bearing is developed.

### Cone Penetrometer

The assembly containing the *cone*, *friction sleeve*, any other sensors and measuring systems, as well as the connections to the *push-rods*.

### Cone resistance, $q_c$

The total force acting on the cone,  $Q_c$ , divided by the projected area of the cone,  $A_c$ .  $q_c = Q_c/A_c$

### Corrected cone resistance, $q_t$

The *cone resistance*,  $q_c$  corrected for pore water pressure effects.

### Corrected sleeve friction, $f_t$

The *sleeve friction* corrected for pore water pressure effects on the ends of the *friction sleeve*.

### Data acquisition system

The system used to measure and record the measurements made by the *cone penetrometer*.

### Dissipation Test

A test when the decay of the pore water pressure is monitored during a pause in penetration.

### Filter element

The porous element inserted into the cone penetrometer to allow transmission of the pore water pressure to the pore pressure sensor, while maintaining the correct profile of the *cone penetrometer*.

### Friction ratio, $R_f$

The ratio, expressed as a percentage of the *sleeve friction*,  $f_s$ , to the *cone resistance*,  $q_c$ , both measured at the same depth.

### Friction reducer

A local enlargement on the push-rod surface, placed at a distance above the cone penetrometer, and provided to reduce the friction on the *push-rods*.

### Friction sleeve

The section of the *cone penetrometer* upon which the *sleeve friction* is measured.

### Normalized cone resistance, $Q_c$ or $Q_t$

The *cone resistance* expressed in a non-dimensional form and taking account of stress changes *in situ*,  $Q_c = (q_c - \sigma_{v0})/\sigma'_{v0}$ , or when the *corrected cone resistance* is used  $Q_t = (q_t - \sigma_{v0})/\sigma'_{v0}$ . Where  $\sigma_{v0}$  and  $\sigma'_{v0}$  are the total and effective vertical stress respectively.

### Net cone resistance, $q_n$

The *corrected cone resistance* minus the vertical total stress.  $q_n = q_t - \sigma_{v0}$

### Normalized friction ratio, $F_r$

The *sleeve friction* normalized by the *net cone resistance*.

### Piezocone

A *cone penetrometer* containing a pore pressure sensor.



**Pore pressure,  $u$** 

The pore pressure generated during penetration and measured by a pore pressure sensor,  $u_1$  when measured on the cone,  $u_2$  when measured just behind the cone and  $u_3$  when measured just behind the friction sleeve.

**Pore pressure ratio,  $B_q$** 

The *net pore pressure* normalized with respect to the *net cone resistance*.

**Push-rods**

The thick-walled tubes or rods used for advancing the cone penetrometer.

**Rig machine**

The equipment which pushes the cone penetrometer and rods into the ground.

**Sleeve friction,  $f_s$** 

The total frictional force acting on the *friction sleeve*,  $F_s$ , divided by its *surface area*,  $A_s$ .  $f_s = F_s/A_s$

## APPENDIX A8 – Soils Description Tables

### GRANULAR SOILS (Sands and Gravels)

Description	Relative Density $D_r$ (%)	SPT N value, $N_{SPT}$
Very Loose	0 – 15	0 - 4
Loose	15 – 35	4 - 10
Medium Dense	35 – 65	10 - 30
Dense	65 – 85	30 - 50
Very Dense	>85	>50

### COHESIVE SOILS (Clays and Silts)

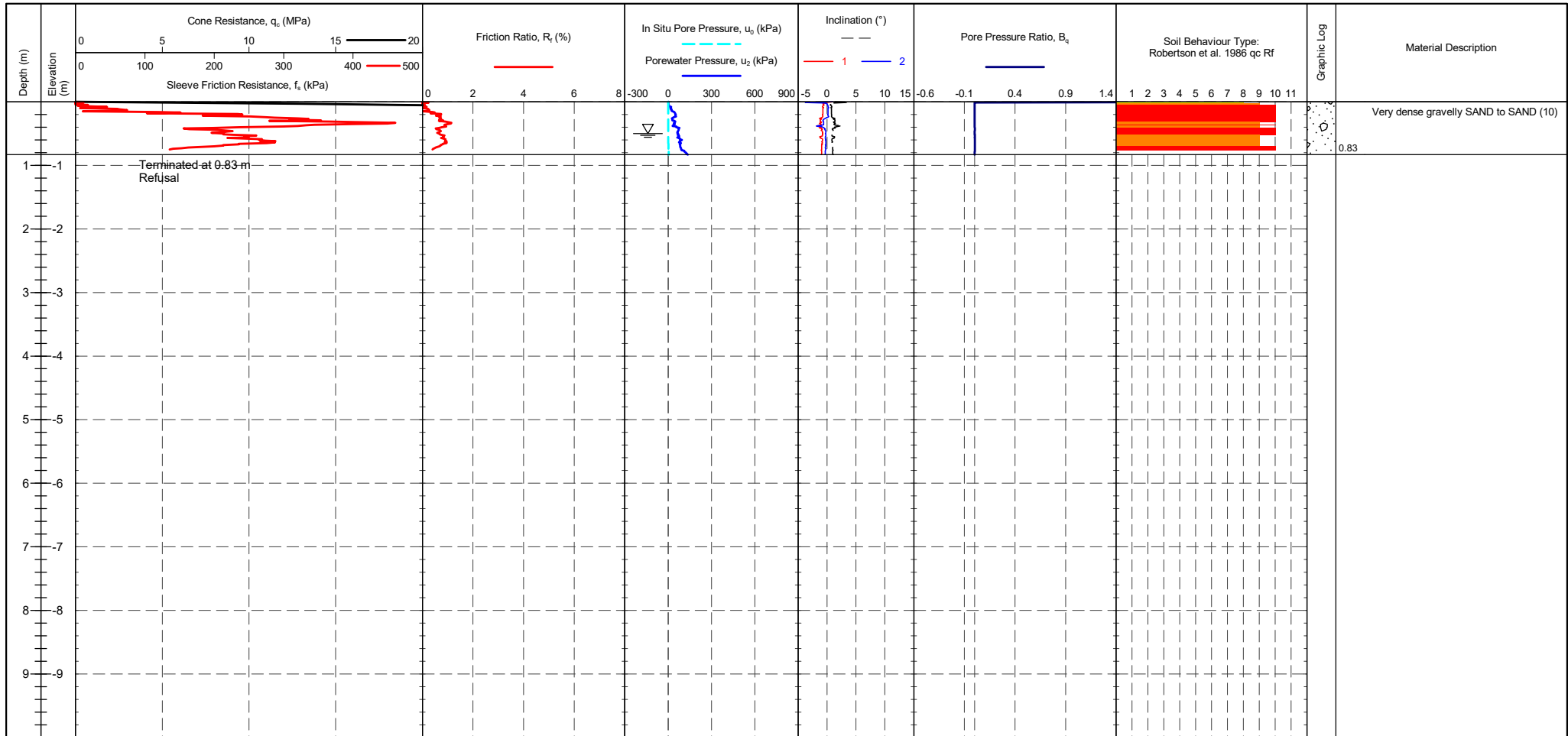
Term based on measurement	Undrained Shear Strength Classification, $s_u$ (kPa)
Extremely low	<10
Very low	10 - 20
Low	20 - 40
Medium	40 - 75
High	75 - 150
Very high	150 - 300
Extremely high	>300

## **APPENDIX B**

# **Cone Penetration Measured Parameters and Geotechnical Derived Parameters**

PointID  
**CPT01**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on total pressure.	SHEET : 1 OF 1 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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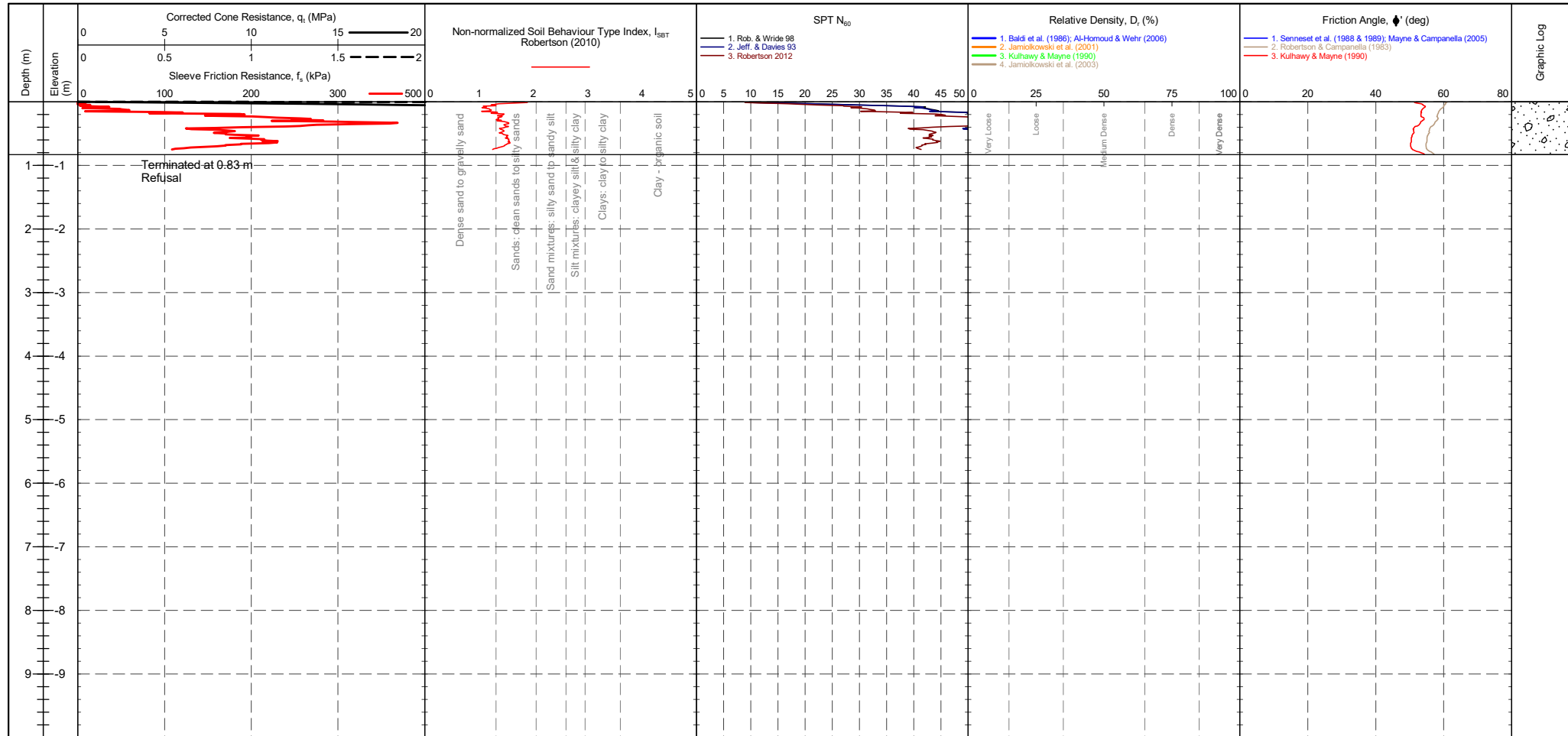


CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer Pre Post Difference Tip 261 mV 266 mV 0.058 MPa Sleeve 252 mV 254 mV 0.001 kPa Pore Pressure 2 228 mV 205 mV -0.006 kPa X-Y Inclinometer 2827 mV 2484 mV	<b>METHOD: Robertson et al. 1986 qc Rf</b> 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravelly SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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PointID  
**CPT01**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>261 mV</td> <td>266 mV</td> <td>0.058 MPa</td> </tr> <tr> <td>Sleeve</td> <td>252 mV</td> <td>254 mV</td> <td>0.001 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>228 mV</td> <td>205 mV</td> <td>-0.006 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2827 mV</td> <td>2484 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	261 mV	266 mV	0.058 MPa	Sleeve	252 mV	254 mV	0.001 kPa	Pore Pressure 2	228 mV	205 mV	-0.006 kPa	X-Y Inclinator	2827 mV	2484 mV		<b>GRANULAR SOILS (Sands &amp; Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12</b> <table border="1"> <thead> <tr> <th>Description</th> <th>SBT Index, I<sub>c</sub></th> <th>Description</th> <th>SPT N value, NSPT</th> <th>Description</th> <th>Relative Density D<sub>r</sub> (%)</th> </tr> </thead> <tbody> <tr> <td>Clays</td> <td>2.95-3.60</td> <td>Very Loose</td> <td>0 - 4</td> <td>Very Loose</td> <td>0 - 15</td> </tr> <tr> <td>Silt mixtures</td> <td>2.60-2.95</td> <td>Loose</td> <td>4 - 10</td> <td>Loose</td> <td>15 - 35</td> </tr> <tr> <td>Sand mixtures</td> <td>2.05-2.60</td> <td>Medium Dense</td> <td>10 - 30</td> <td>Medium Dense</td> <td>35 - 65</td> </tr> <tr> <td>Sands</td> <td>1.31-2.05</td> <td>Dense</td> <td>30 - 50</td> <td>Dense</td> <td>65 - 85</td> </tr> <tr> <td>Gravelly sand</td> <td>&lt;1.31</td> <td>Very Dense</td> <td>&gt;50</td> <td>Very Dense</td> <td>&gt;85</td> </tr> </tbody> </table>	Description	SBT Index, I <sub>c</sub>	Description	SPT N value, NSPT	Description	Relative Density D <sub>r</sub> (%)	Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15	Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35	Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65	Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85	Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85	Groundwater Level Dissipation Test
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PointID

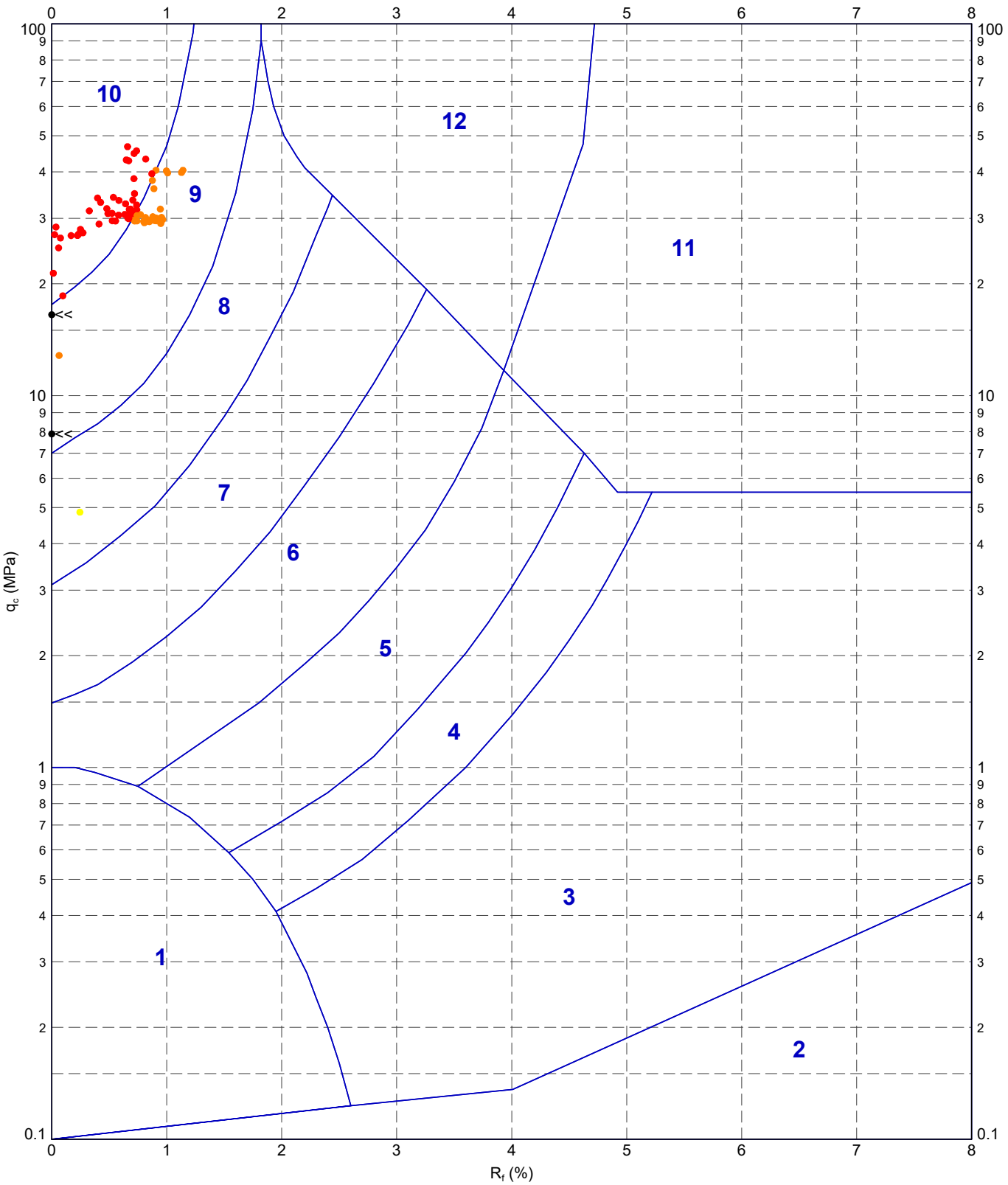
**CPT01**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>261 mV</td> <td>266 mV</td> <td>0.058 MPa</td> </tr> <tr> <td>Sleeve</td> <td>252 mV</td> <td>254 mV</td> <td>0.001 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>228 mV</td> <td>205 mV</td> <td>-0.006 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2827 mV</td> <td>2484 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	261 mV	266 mV	0.058 MPa	Sleeve	252 mV	254 mV	0.001 kPa	Pore Pressure 2	228 mV	205 mV	-0.006 kPa	X-Y Inclinator	2827 mV	2484 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr> <th>Term based on measurement</th> <th>su (kPa)</th> <th>Term based on measurement</th> <th>su (kPa)</th> </tr> <tr> <td>Extremely low strength</td> <td>&lt;10</td> <td>Medium strength</td> <td>40-75</td> </tr> <tr> <td>Very low strength</td> <td>10-20</td> <td>High strength</td> <td>75-150</td> </tr> <tr> <td>Low strength</td> <td>20-40</td> <td>Very high strength</td> <td>150-300</td> </tr> <tr> <td></td> <td></td> <td>Extremely high strength</td> <td>&gt;300</td> </tr> </table>	Term based on measurement	su (kPa)	Term based on measurement	su (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	▽ Groundwater Level ▮ Dissipation Test
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220628-ADVANCED REPORT INSTITUTE 2.02.1 LIB - CHLOE.GLB Graph: CPT ROBERTSON ET AL. 8F QC VS. RF APF 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 10:58 10.03.00.09 Datag Lab and In Situ Tool - DGD Lib: In Situ SI 2.02.0.2017-07-10 Proj: In Situ SI 2.02.0.2017-07-10



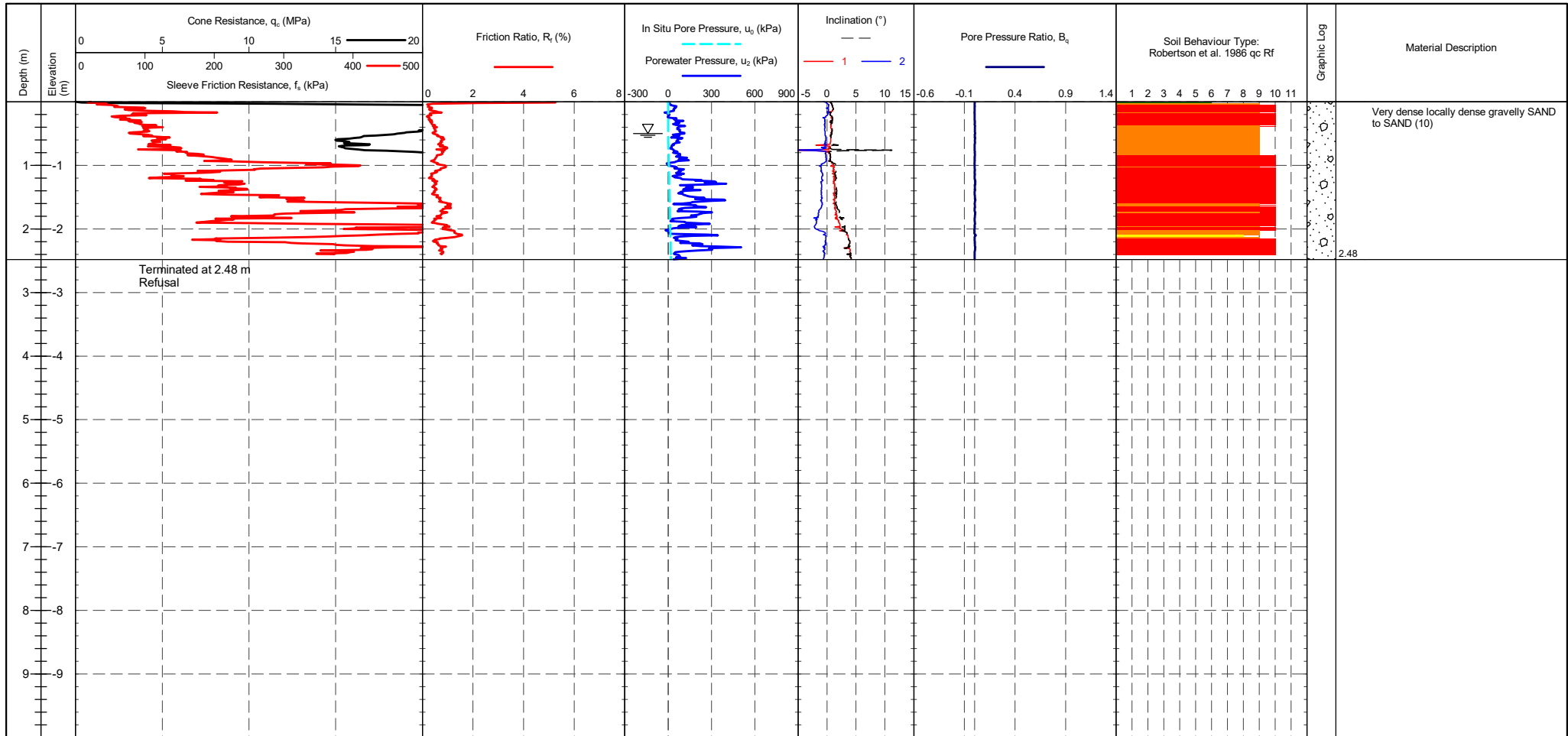
METHOD: Robertson et al. 1986  $q_c$   $R_f$

- |   |  |   |  |
|---|--|---|--|
| <span style="color: blue;">■</span> 1 - Sensitive fine grained material | <span style="color: cyan;">■</span> 4 - Silty CLAY to CLAY             | <span style="color: green;">■</span> 7 - Silty SAND to sandy SILT | <span style="color: red;">■</span> 10 - Gravelly SAND to SAND          |
| <span style="color: darkblue;">■</span> 2 - Organic material            | <span style="color: lightblue;">■</span> 5 - Clayey SILT to silty CLAY | <span style="color: yellow;">■</span> 8 - SAND to silty SAND      | <span style="color: lightgreen;">■</span> 11 - Very stiff fine grained |
| <span style="color: teal;">■</span> 3 - CLAY                            | <span style="color: darkgreen;">■</span> 6 - Sandy SILT to clayey SILT | <span style="color: orange;">■</span> 9 - SAND                    | <span style="color: yellowgreen;">■</span> 12 - SAND to clayey SAND    |

	TITLE	DRAWN	DATE
	TerraFirma (South) Canford Canford Energy Park Robertson et al. 1986 $q_c$ vs. $R_f$ - CPT01	CHECKED	DATE
		SCALE	FIGURE No
		PROJECT No 1220328	A4

PointID	<b>CPT02</b>
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<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on total pressure.	SHEET : 1 OF 1 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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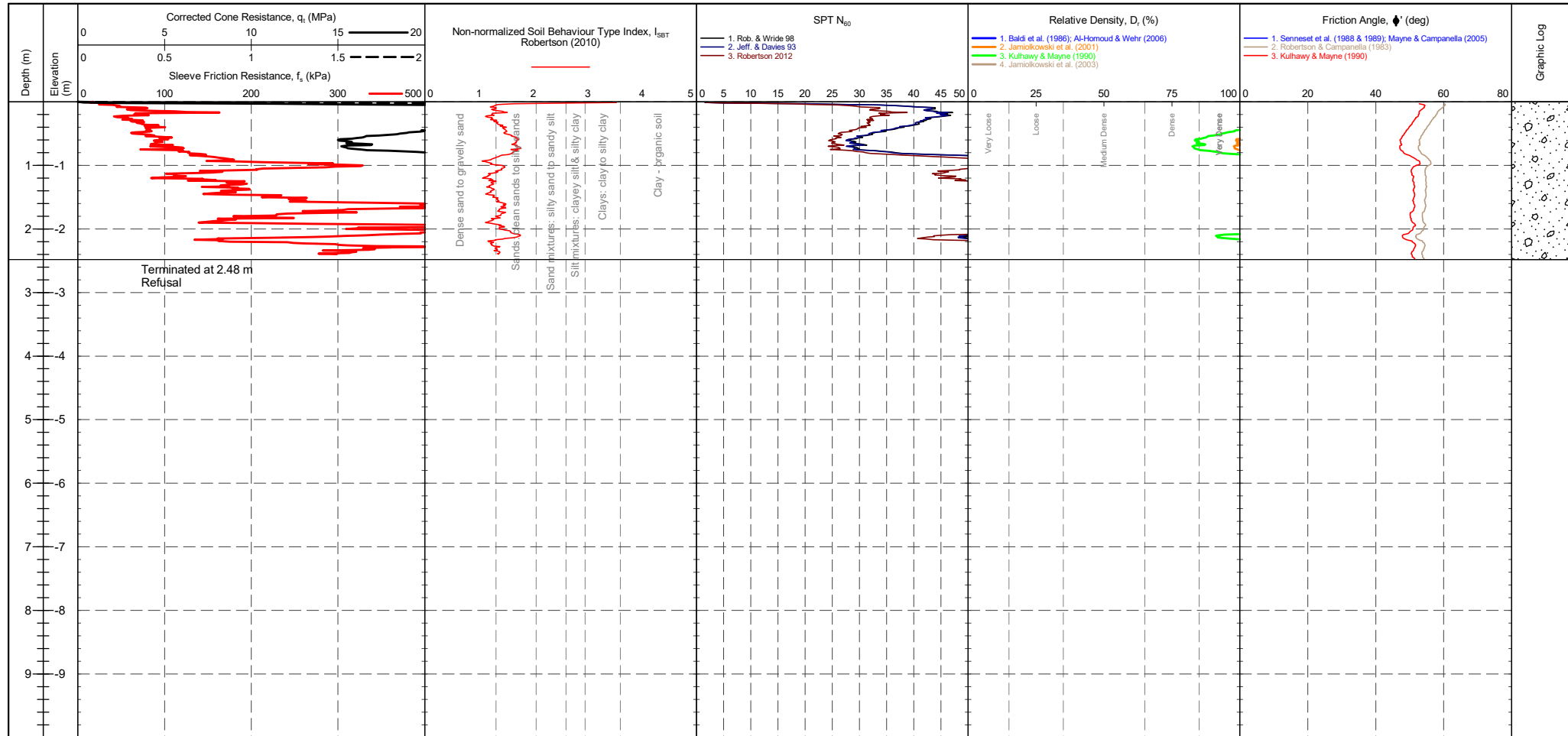


CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer Pre Post Difference Tip 266 mV 259 mV -0.081 MPa Sleeve 255 mV 253 mV -0.001 kPa Pore Pressure 2 287 mV 247 mV -0.011 kPa X-Y Inclinator 2554 mV 2678 mV	METHOD: Robertson et al. 1986 qc Rf 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravelly SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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PointID	<b>CPT02</b>
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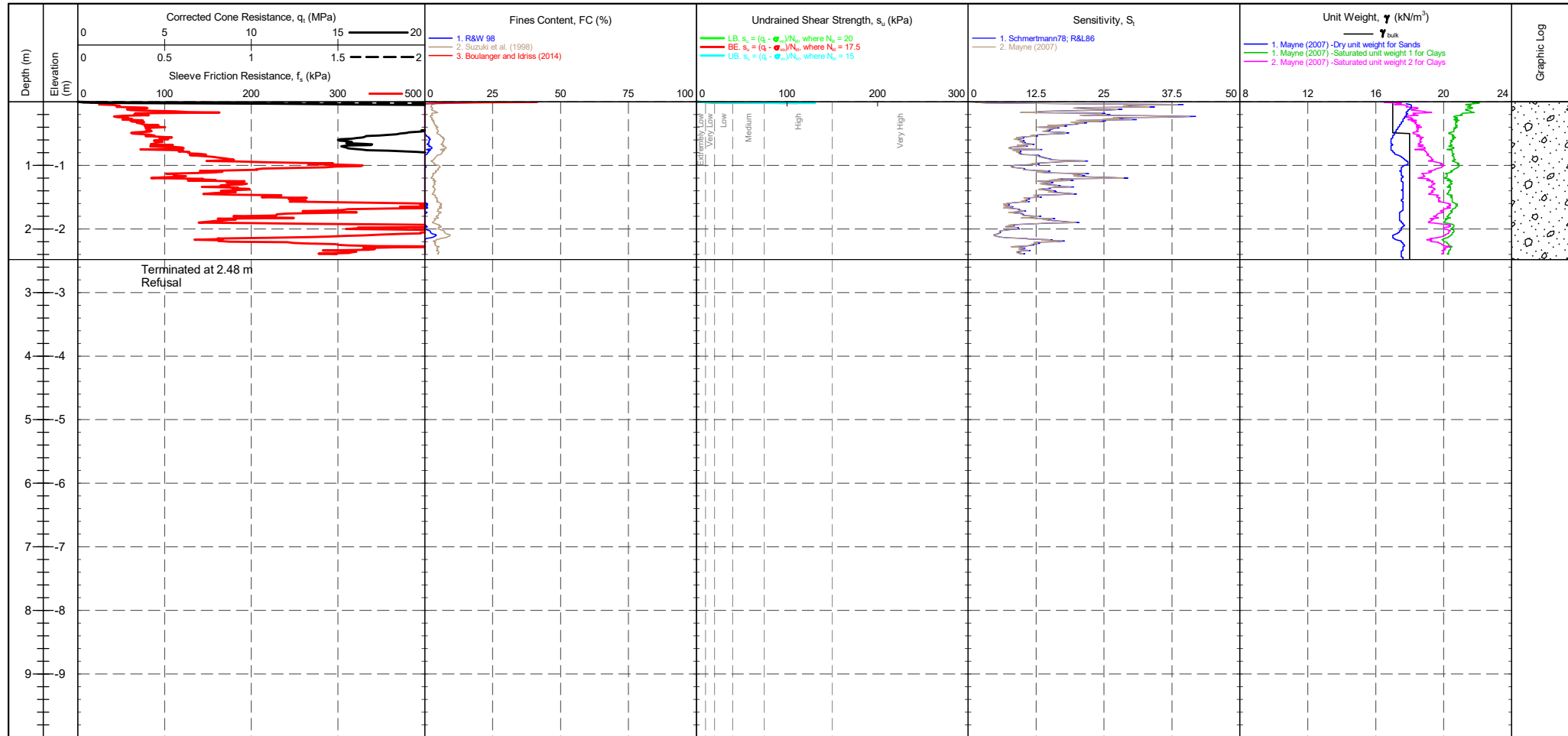
<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>266 mV</td> <td>259 mV</td> <td>-0.081 MPa</td> </tr> <tr> <td>Sleeve</td> <td>255 mV</td> <td>253 mV</td> <td>-0.001 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>287 mV</td> <td>247 mV</td> <td>-0.011 kPa</td> </tr> <tr> <td>X-Y inclinometer</td> <td>2554 mV</td> <td>2678 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	266 mV	259 mV	-0.081 MPa	Sleeve	255 mV	253 mV	-0.001 kPa	Pore Pressure 2	287 mV	247 mV	-0.011 kPa	X-Y inclinometer	2554 mV	2678 mV		<b>GRANULAR SOILS (Sands &amp; Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12</b> <table border="1"> <thead> <tr> <th>Description</th> <th>SBT Index, I<sub>c</sub></th> <th>Description</th> <th>SPT N value, NSPT</th> <th>Description</th> <th>Relative Density D<sub>r</sub> (%)</th> </tr> </thead> <tbody> <tr> <td>Clays</td> <td>2.95-3.60</td> <td>Very Loose</td> <td>0 - 4</td> <td>Very Loose</td> <td>0 - 15</td> </tr> <tr> <td>Silt mixtures</td> <td>2.60-2.95</td> <td>Loose</td> <td>4 - 10</td> <td>Loose</td> <td>15 - 35</td> </tr> <tr> <td>Sand mixtures</td> <td>2.05-2.60</td> <td>Medium Dense</td> <td>10 - 30</td> <td>Medium Dense</td> <td>35 - 65</td> </tr> <tr> <td>Sands</td> <td>1.31-2.05</td> <td>Dense</td> <td>30 - 50</td> <td>Dense</td> <td>65 - 85</td> </tr> <tr> <td>Gravelly sand</td> <td>&lt;1.31</td> <td>Very Dense</td> <td>&gt;50</td> <td>Very Dense</td> <td>&gt;85</td> </tr> </tbody> </table>	Description	SBT Index, I <sub>c</sub>	Description	SPT N value, NSPT	Description	Relative Density D <sub>r</sub> (%)	Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15	Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35	Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65	Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85	Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85	Groundwater Level Dissipation Test
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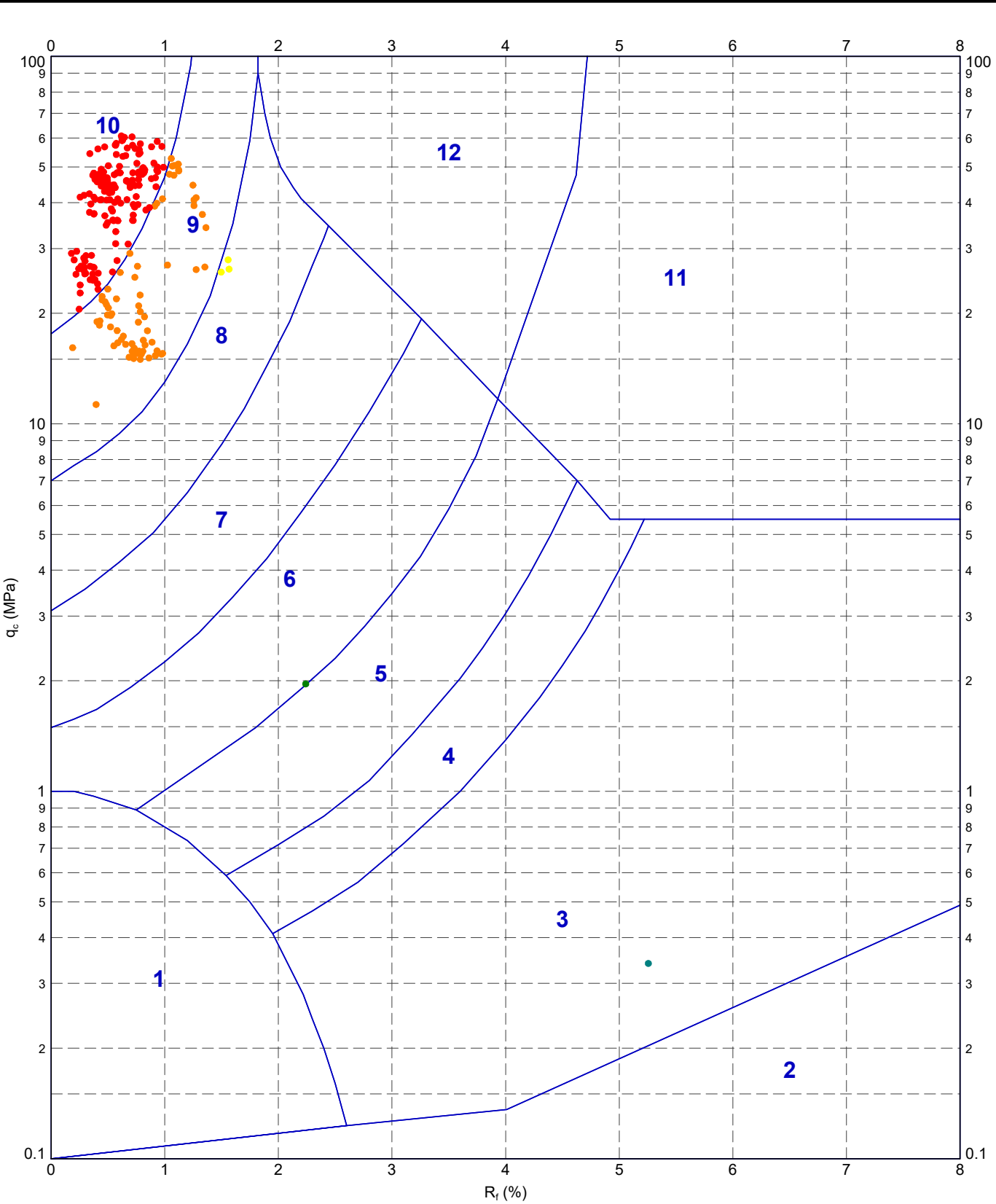
PointID  
**CPT02**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr><th>Transducer</th><th>Pre</th><th>Post</th><th>Difference</th></tr> <tr><td>Tip</td><td>266 mV</td><td>259 mV</td><td>-0.081 MPa</td></tr> <tr><td>Sleeve</td><td>255 mV</td><td>253 mV</td><td>-0.001 kPa</td></tr> <tr><td>Pore Pressure 2</td><td>287 mV</td><td>247 mV</td><td>-0.011 kPa</td></tr> <tr><td>X-Y Inclinator</td><td>2554 mV</td><td>2678 mV</td><td></td></tr> </table>	Transducer	Pre	Post	Difference	Tip	266 mV	259 mV	-0.081 MPa	Sleeve	255 mV	253 mV	-0.001 kPa	Pore Pressure 2	287 mV	247 mV	-0.011 kPa	X-Y Inclinator	2554 mV	2678 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr><th>Term based on measurement</th><th>su (kPa)</th><th>Term based on measurement</th><th>su (kPa)</th></tr> <tr><td>Extremely low strength</td><td>&lt;10</td><td>Medium strength</td><td>40-75</td></tr> <tr><td>Very low strength</td><td>10-20</td><td>High strength</td><td>75-150</td></tr> <tr><td>Low strength</td><td>20-40</td><td>Very high strength</td><td>150-300</td></tr> <tr><td></td><td></td><td>Extremely high strength</td><td>&gt;300</td></tr> </table>	Term based on measurement	su (kPa)	Term based on measurement	su (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	▽ Groundwater Level  ▮ Dissipation Test
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220628-ADVANCED REPORT INSTITUTE 2.02.1 LIB - CHLOE.GLB Graph: CPT ROBERTSON ET AL. 8F QC VS. RF APF 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 10:59 10.03.00.09 Datag Lab and In Situ Tool - DGD Lib: In Situ SI 2.02.0207-07-10 Proj: In Situ SI 2.02.0 2007-07-10



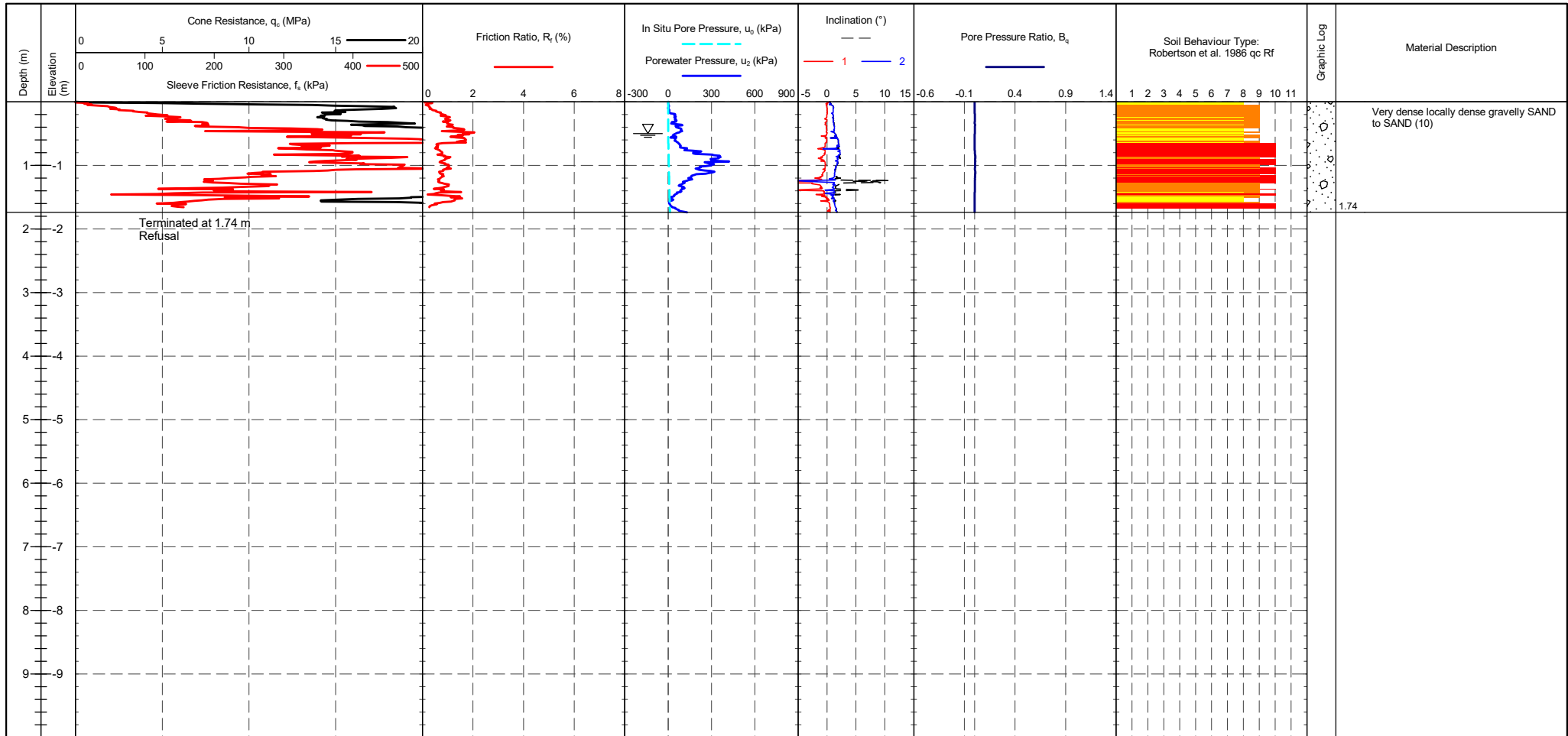
METHOD: Robertson et al. 1986  $q_c$   $R_f$

- 1 - Sensitive fine grained material
- 4 - Silty CLAY to CLAY
- 7 - Silty SAND to sandy SILT
- 10 - Gravelly SAND to SAND
- 2 - Organic material
- 5 - Clayey SILT to silty CLAY
- 8 - SAND to silty SAND
- 11 - Very stiff fine grained
- 3 - CLAY
- 6 - Sandy SILT to clayey SILT
- 9 - SAND
- 12 - SAND to clayey SAND

	TITLE	DRAWN	DATE
	TerraFirma (South) Canford Canford Energy Park Robertson et al. 1986 $q_c$ vs. $R_f$ - CPT02	CHECKED	DATE
	SCALE	Not To Scale	
	PROJECT No 1220328	FIGURE No A4	

PointID  
**CPT03**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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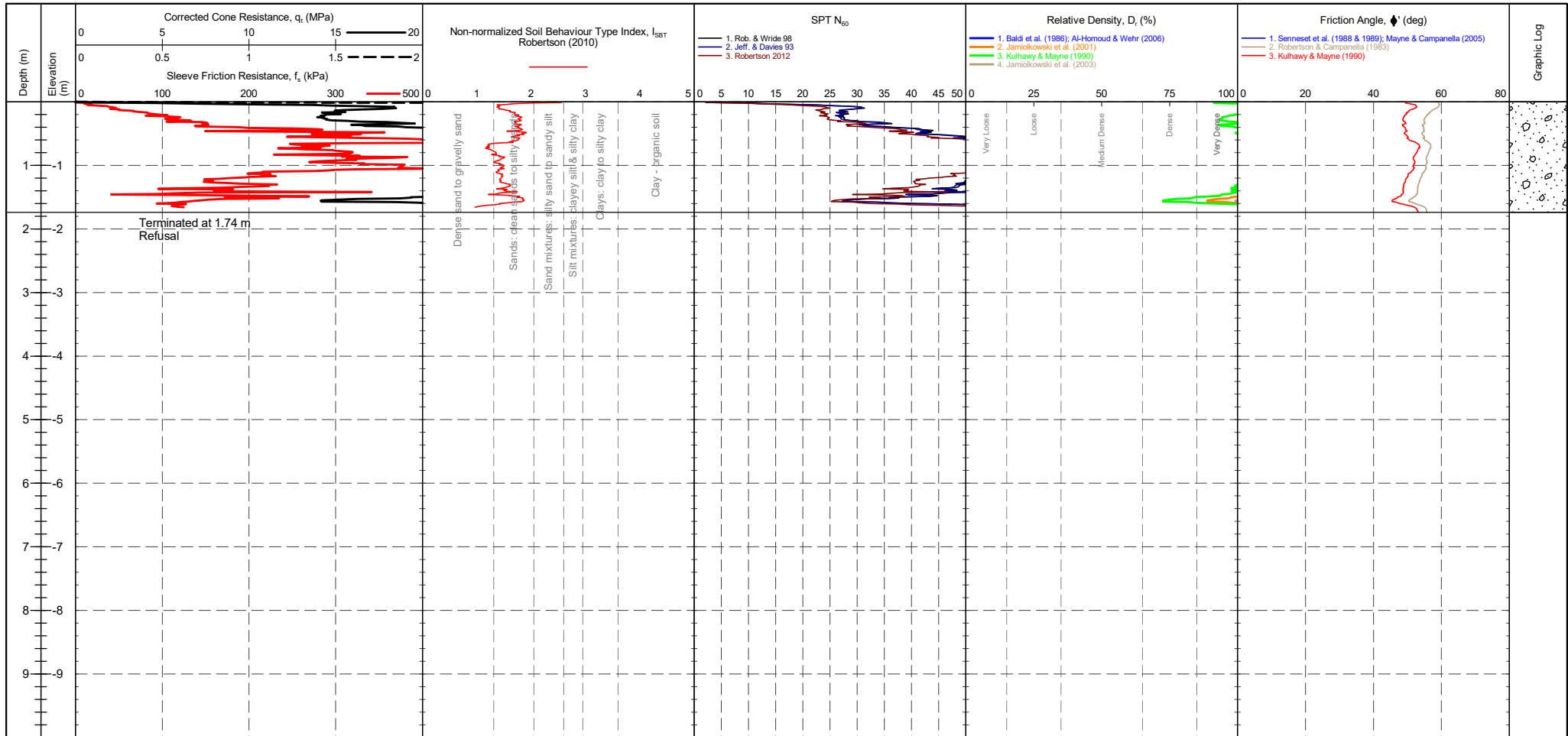


<b>CONE ID</b> : S15-CFIP.2112 <b>CALIBRATION DATE</b> : 29/04/2022 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild <b>GROUNDWATER DEPTH</b> : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer Pre Post Difference Tip 260 mV 269 mV 0.104 MPa Sleeve 254 mV 259 mV 0.004 kPa Pore Pressure 2 287 mV 234 mV -0.015 kPa X-Y Inclinator 2570 mV 2527 mV	<b>METHOD</b> : Robertson et al. 1986 qc Rf 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravelly SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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PointID  
**CPT03**

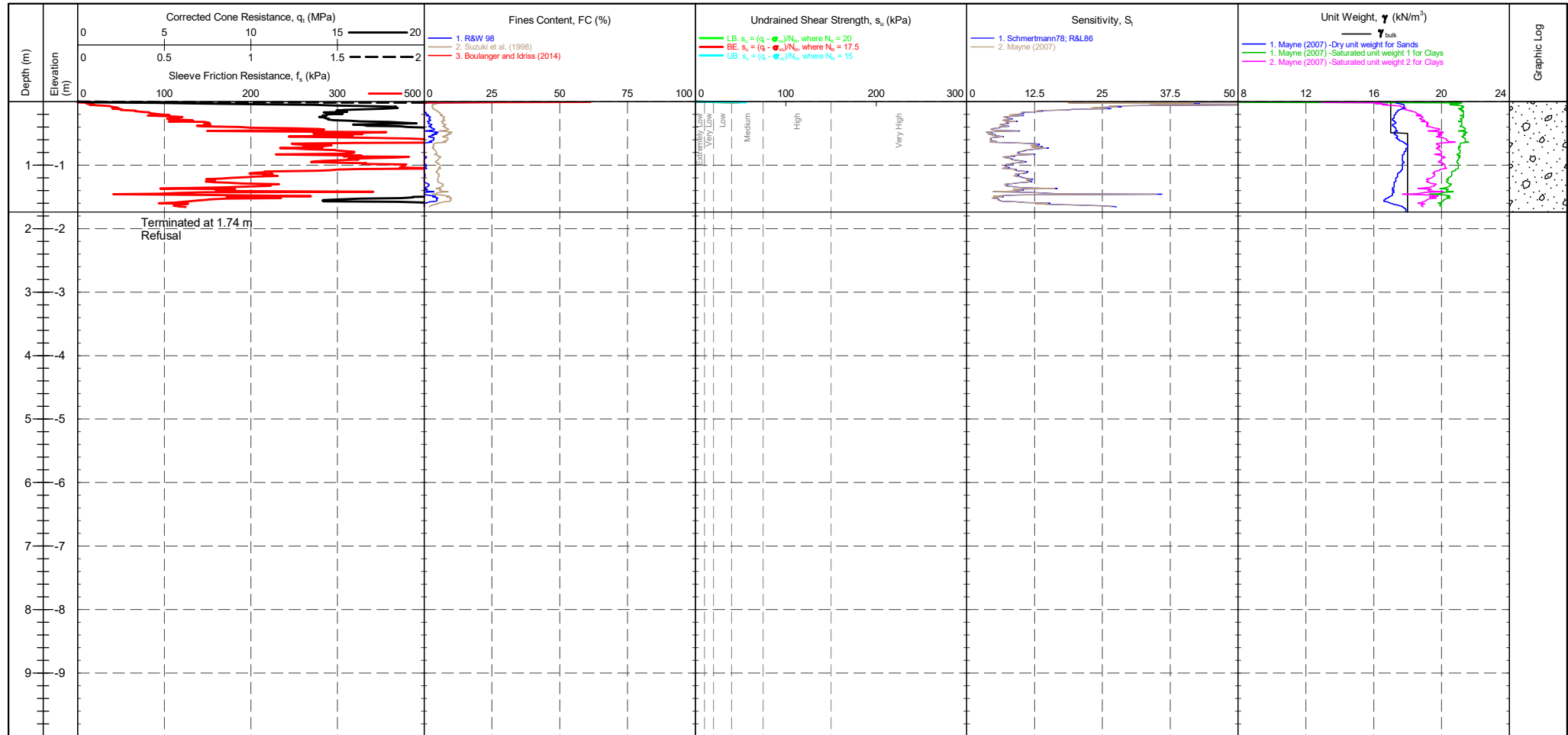
<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>260 mV</td> <td>269 mV</td> <td>0.104 MPa</td> </tr> <tr> <td>Sleeve</td> <td>254 mV</td> <td>259 mV</td> <td>0.004 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>287 mV</td> <td>234 mV</td> <td>-0.015 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2570 mV</td> <td>2527 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	269 mV	0.104 MPa	Sleeve	254 mV	259 mV	0.004 kPa	Pore Pressure 2	287 mV	234 mV	-0.015 kPa	X-Y Inclinator	2570 mV	2527 mV		<b>GRANULAR SOILS (Sands &amp; Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12</b> <table border="1"> <thead> <tr> <th>Description</th> <th>SBT Index, <math>I_c</math></th> <th>Description</th> <th>SPT N value, NSPT</th> <th>Description</th> <th>Relative Density <math>D_r</math> (%)</th> </tr> </thead> <tbody> <tr> <td>Clays</td> <td>2.95-3.60</td> <td>Very Loose</td> <td>0 - 4</td> <td>Very Loose</td> <td>0 - 15</td> </tr> <tr> <td>Silt mixtures</td> <td>2.60-2.95</td> <td>Loose</td> <td>4 - 10</td> <td>Loose</td> <td>15 - 35</td> </tr> <tr> <td>Sand mixtures</td> <td>2.05-2.60</td> <td>Medium Dense</td> <td>10 - 30</td> <td>Medium Dense</td> <td>35 - 65</td> </tr> <tr> <td>Sands</td> <td>1.31-2.05</td> <td>Dense</td> <td>30 - 50</td> <td>Dense</td> <td>65 - 85</td> </tr> <tr> <td>Gravelly sand</td> <td>&lt;1.31</td> <td>Very Dense</td> <td>&gt;50</td> <td>Very Dense</td> <td>&gt;85</td> </tr> </tbody> </table>	Description	SBT Index, $I_c$	Description	SPT N value, NSPT	Description	Relative Density $D_r$ (%)	Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15	Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35	Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65	Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85	Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85	Groundwater Level Dissipation Test
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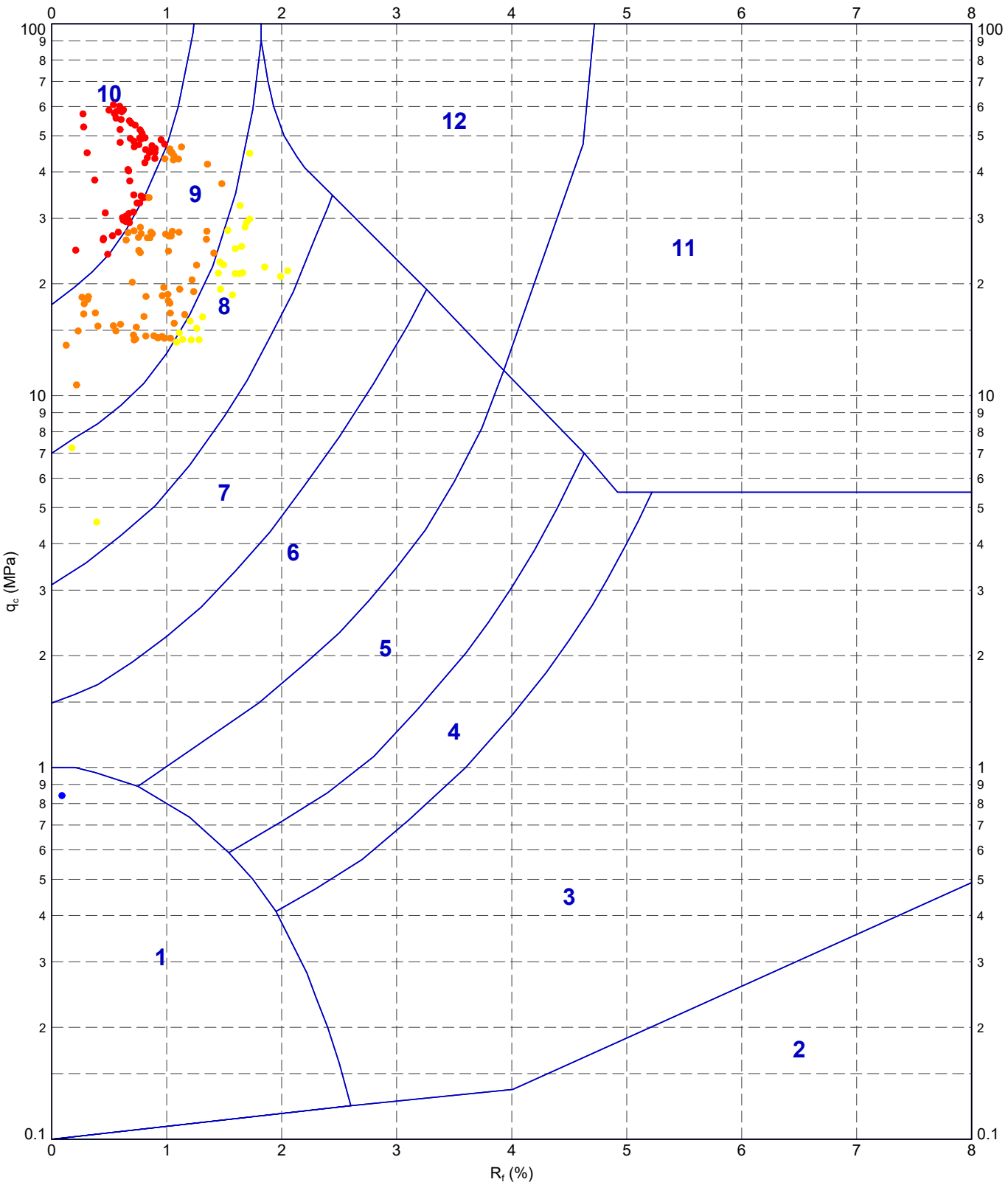
PointID  
**CPT03**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>Transducer</b> Tip: 260 mV / 269 mV / 0.104 MPa Sleeve: 254 mV / 259 mV / 0.004 kPa Pore Pressure 2: 287 mV / 234 mV / -0.015 kPa X-Y Inclinator: 2570 mV / 2527 mV	<b>CPTU ZERO VALUES</b> Pre Post Difference Tip: 260 mV 269 mV 0.104 MPa Sleeve: 254 mV 259 mV 0.004 kPa Pore Pressure 2: 287 mV 234 mV -0.015 kPa X-Y Inclinator: 2570 mV 2527 mV	<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> Term based on measurement su (kPa) Term based on measurement su (kPa) Extremely low strength <10 Medium strength 40-75 Very low strength 10-20 High strength 75-150 Low strength 20-40 Very high strength 150-300 Extremely high strength >300	▽ Groundwater Level ▮ Dissipation Test
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220628-ADVANCED REPORT INSTITUTE 2.02.1 LIB - CHLOE.GLB Graph: CPT ROBERTSON ET AL. 8F QC VS. RF APF 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 11:00 10.03.00.09 Datagel Lab and In Situ Tool - DGD [Lib: In Situ SI 2.02.0 2017-07-10 Proj: In Situ SI 2.02.0 2017-07-10]



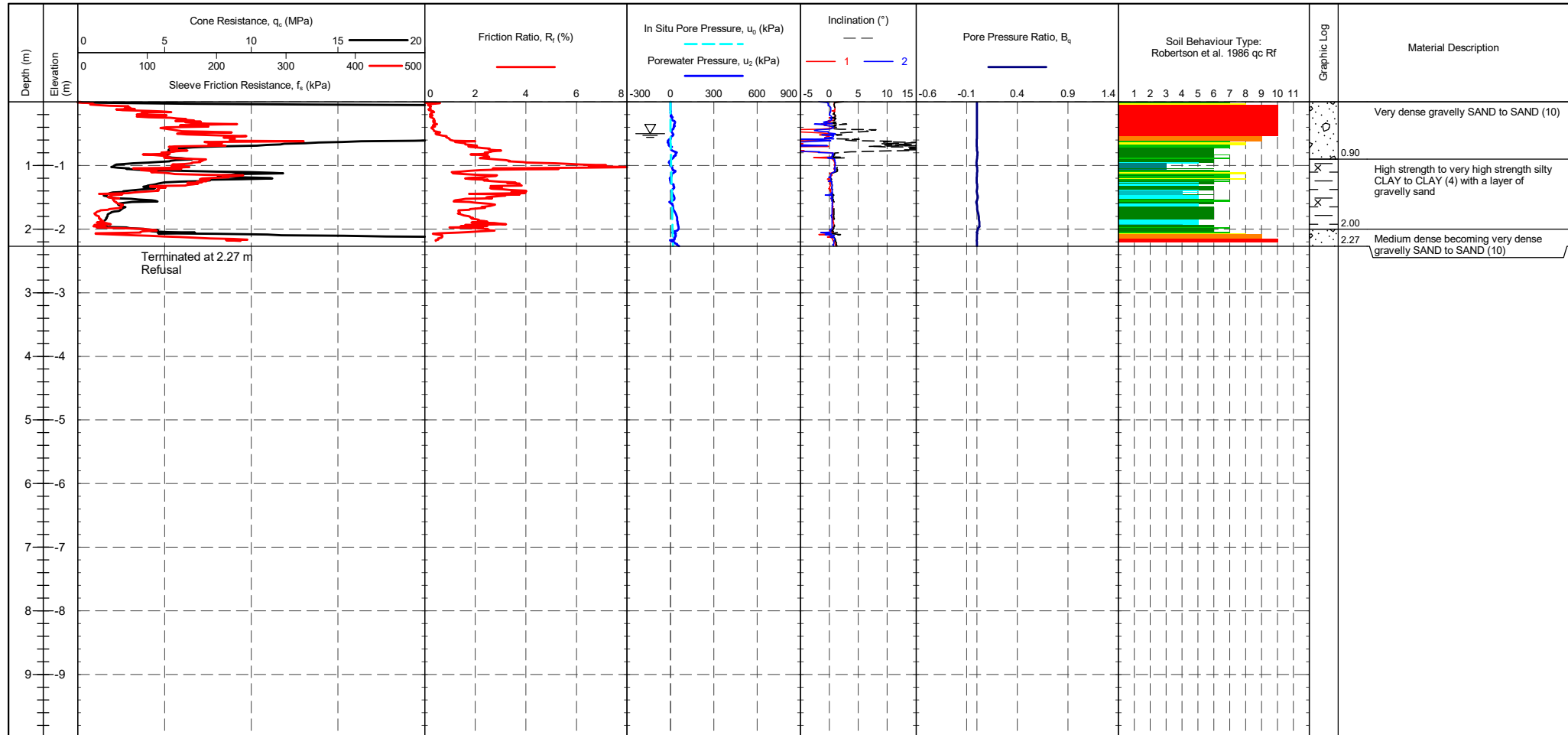
METHOD: Robertson et al. 1986 q<sub>c</sub> R<sub>f</sub>

- 1 - Sensitive fine grained material
- 4 - Silty CLAY to CLAY
- 7 - Silty SAND to sandy SILT
- 10 - Gravelly SAND to SAND
- 2 - Organic material
- 5 - Clayey SILT to silty CLAY
- 8 - SAND to silty SAND
- 11 - Very stiff fine grained
- 3 - CLAY
- 6 - Sandy SILT to clayey SILT
- 9 - SAND
- 12 - SAND to clayey SAND

	TITLE	DRAWN	DATE
	TerraFirma (South) Canford Canford Energy Park Robertson et al. 1986 q <sub>c</sub> vs. R <sub>f</sub> - CPT03	CHECKED	DATE
	SCALE	Not To Scale	
	PROJECT No 1220328	FIGURE No A4	

PointID	<b>CPT04</b>
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<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on total pressure.	SHEET : 1 OF 1 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer : Pre Post Difference Tip : 262 mV 266 mV 0.046 MPa Sleeve : 255 mV 257 mV 0.001 kPa Pore Pressure 2 : 280 mV 262 mV -0.005 kPa X-Y Inclinator : 2685 mV 2616 mV	METHOD: Robertson et al. 1986 qc Rf 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravelly SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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PointID

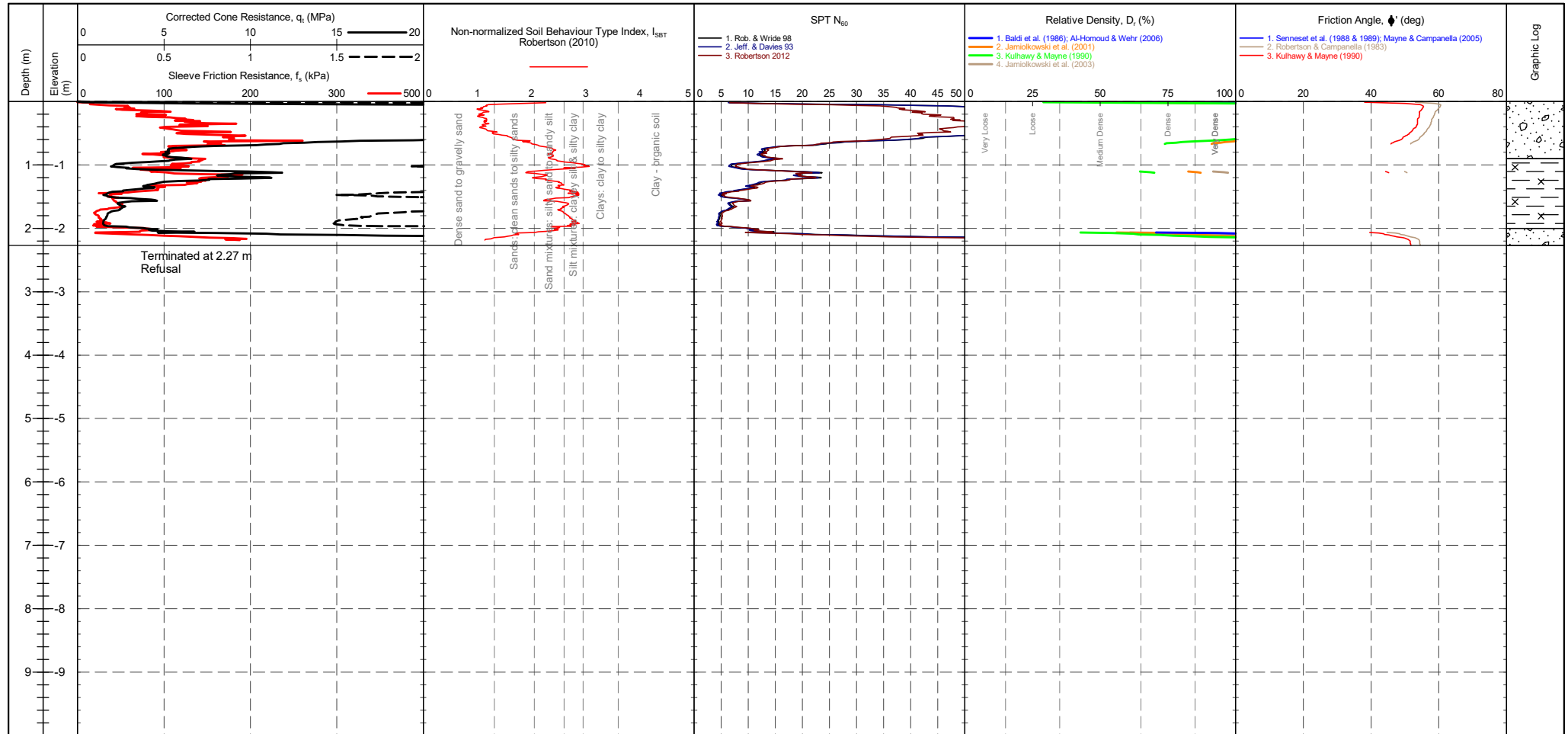
**CPT04**

CLIENT : Terrafirma (South)  
 PROJECT : Canford Energy Park  
 LOCATION : Canford  
 PROJECT No. : 1220328

EASTING : 0.000 m  
 NORTHING : 0.000 m  
 ELEVATION : 0.000 m OD  
 CHECKED BY : LD  
 TERMINATION REASON : Refusal

Remark:  
 Test refused on total pressure.

SHEET : 1 OF 1  
 STATUS : Final  
 TEST DATE : 04/07/2022  
 PLOT DATE : 12/07/2022  
 METHOD : ISO 22476-1:2012

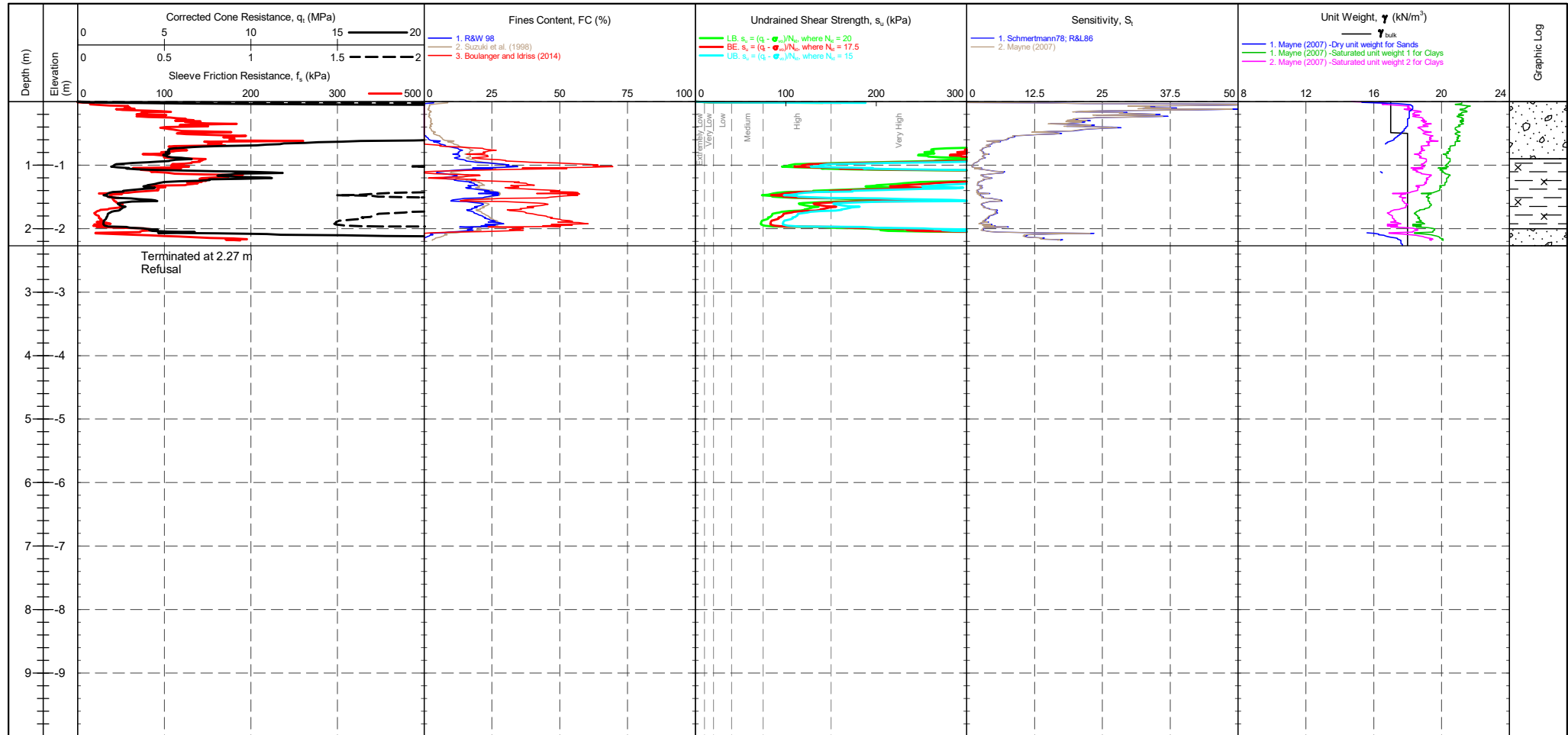


CONE ID : S15-CFIP.2112 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild	CPTU ZERO VALUES			GRANULAR SOILS (Sands & Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12				Groundwater Level  Dissipation Test
		Transducer Tip Sleeve Pore Pressure 2 X-Y Inclinator	Pre 262 mV 255 mV 280 mV 2685 mV	Post 266 mV 257 mV 262 mV 2616 mV	Difference 0.046 MPa 0.001 kPa -0.005 kPa	Description Clays Silt mixtures Sand mixtures Sands Gravelly sand	SBT Index, I <sub>c</sub> 2.95-3.60 2.60-2.95 2.05-2.60 1.31-2.05 <1.31	Description Very Loose Loose Medium Dense Dense Very Dense	

PointID

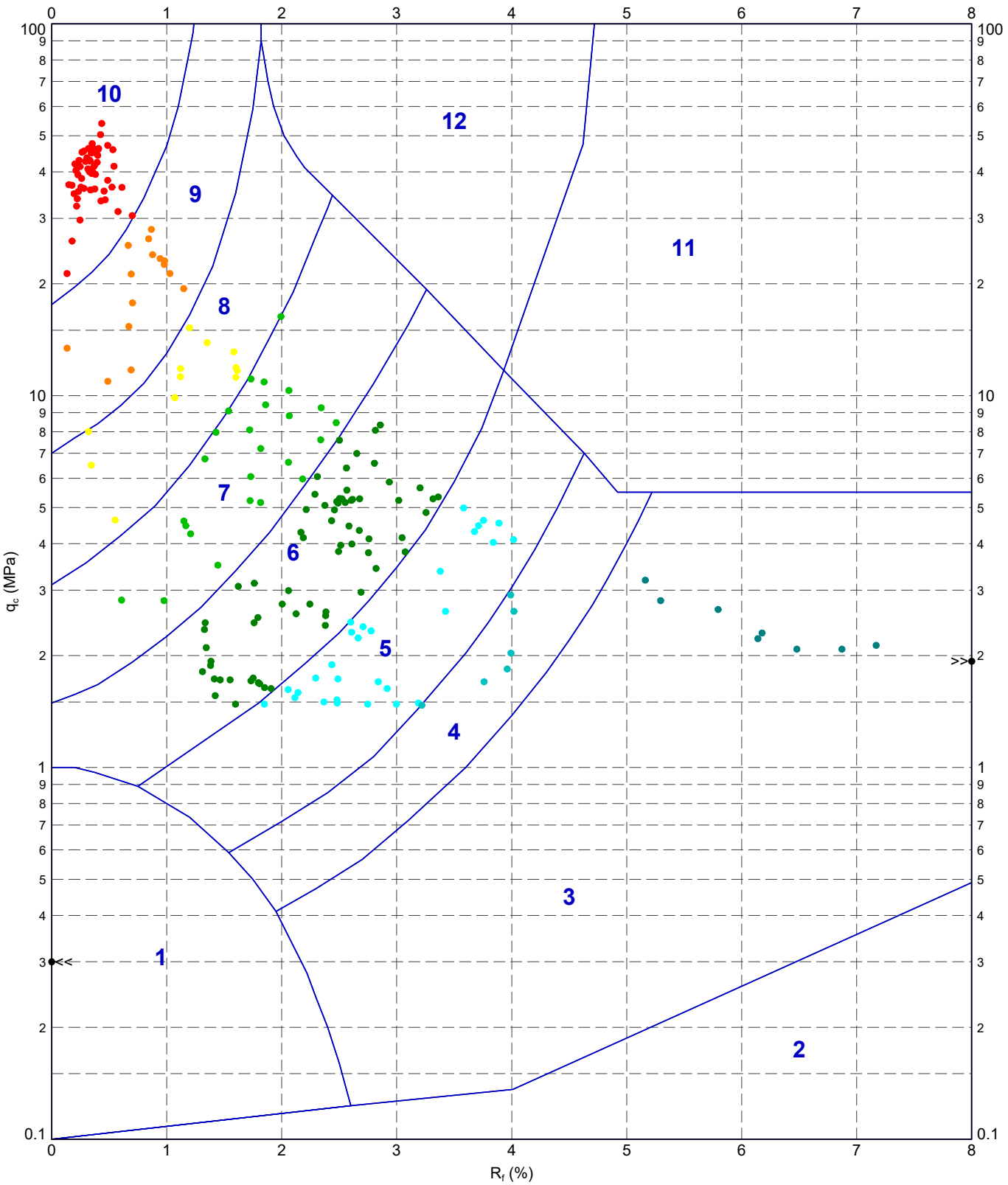
**CPT04**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>Transducer</b> Tip 262 mV 266 mV 0.046 MPa Sleeve 255 mV 257 mV 0.001 kPa Pore Pressure 2 280 mV 262 mV -0.005 kPa X-Y Inclinator 2685 mV 2616 mV	<b>CPTU ZERO VALUES</b> Pre Post Difference Tip 262 mV 266 mV 0.046 MPa Sleeve 255 mV 257 mV 0.001 kPa Pore Pressure 2 280 mV 262 mV -0.005 kPa X-Y Inclinator 2685 mV 2616 mV	<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> Term based on measurement su (kPa) Term based on measurement su (kPa) Extremely low strength <10 Medium strength 40-75 Very low strength 10-20 High strength 75-150 Low strength 20-40 Very high strength 150-300 Extremely high strength >300	▽ Groundwater Level ▬ Dissipation Test
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220628-ADVANCED REPORT INSTITUTE 2.02.1 LIB - CHLOE.GLB Graph: CPT ROBERTSON ET AL. 8F QC VS. RF APF 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 11:01 10.03.00.09 Datag Lab and In Situ Tool - DGD Lib: In Situ SI 2.02.0.2017-07-10 Proj: In Situ SI 2.02.0.2017-07-10



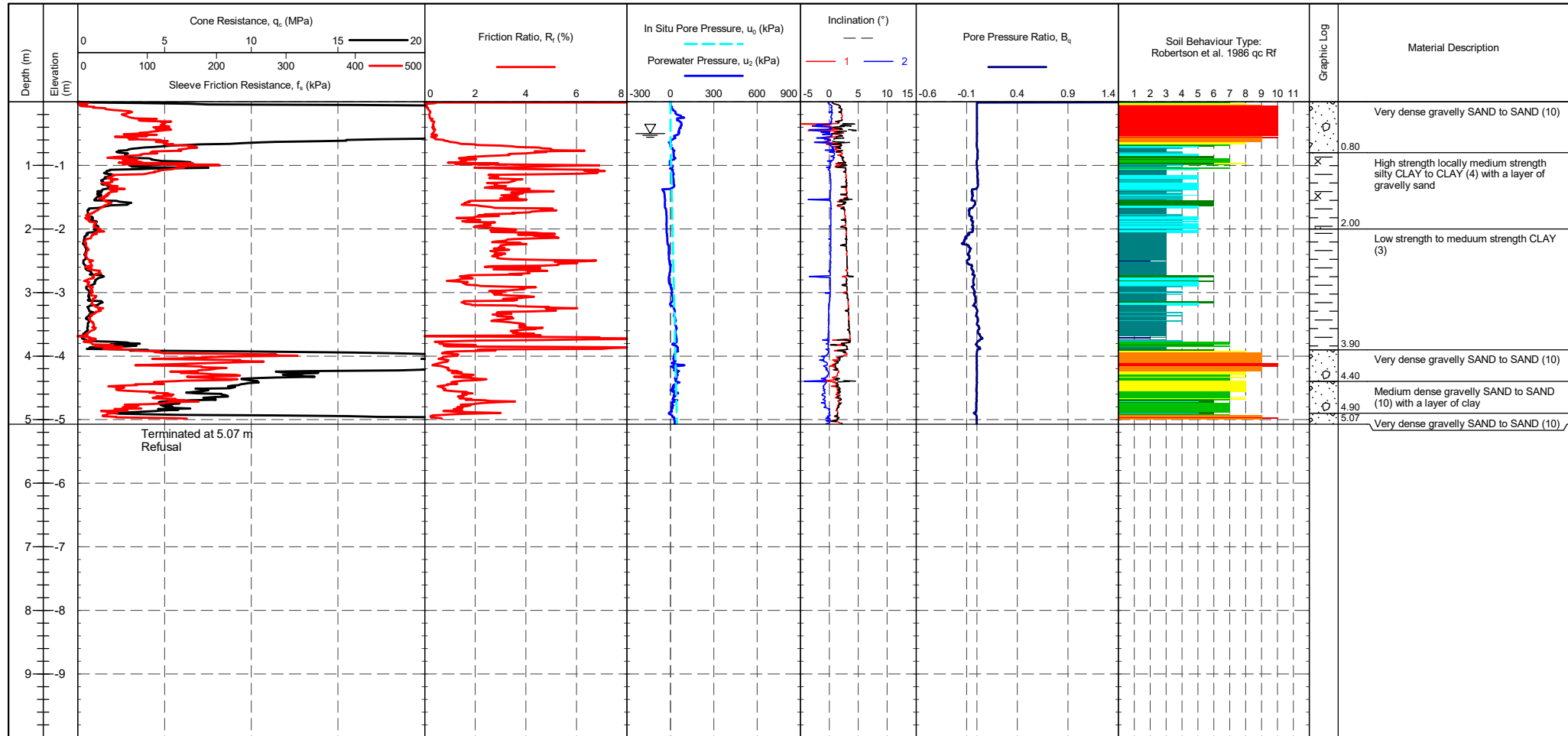
METHOD: Robertson et al. 1986 qc Rf

- 1 - Sensitive fine grained material
- 4 - Silty CLAY to CLAY
- 7 - Silty SAND to sandy SILT
- 10 - Gravelly SAND to SAND
- 2 - Organic material
- 5 - Clayey SILT to silty CLAY
- 8 - SAND to silty SAND
- 11 - Very stiff fine grained
- 3 - CLAY
- 6 - Sandy SILT to clayey SILT
- 9 - SAND
- 12 - SAND to clayey SAND

	TITLE	DRAWN	DATE
	Terra Firma (South) Canford Canford Energy Park Robertson et al. 1986 qc vs. Rf - CPT04	CHECKED	DATE
		SCALE	FIGURE No
		PROJECT No	FIGURE No
		1220328	A4

PointID	<b>CPT05</b>
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<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on total pressure.	SHEET : 1 OF 1 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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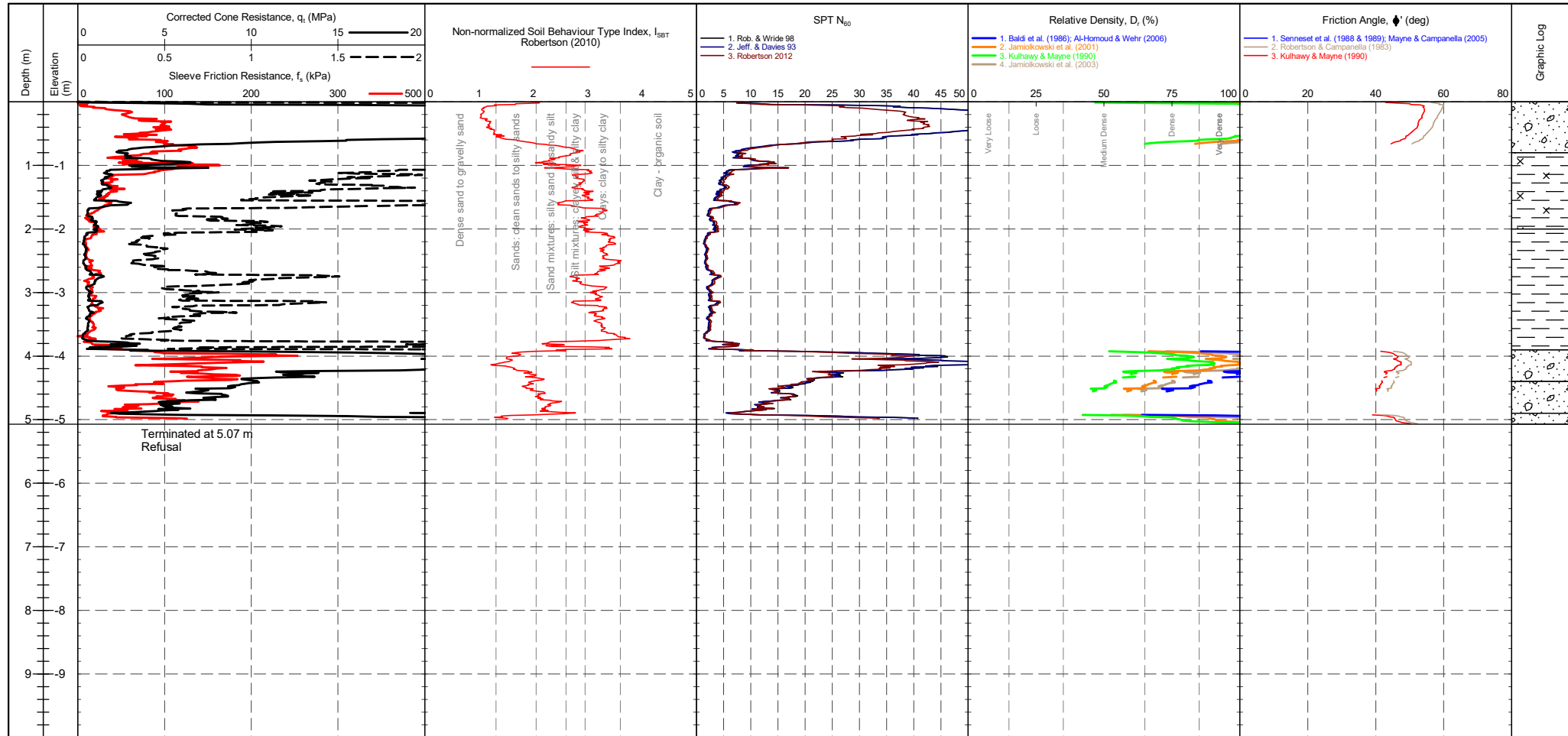


CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer Tip : 264 mV / 260 mV / -0.046 MPa Sleeve : 257 mV / 256 mV / -0.001 kPa Pore Pressure 2 : 262 mV / 295 mV / 0.009 kPa X-Y Inclinator : 2489 mV / 2594 mV	<b>METHOD: Robertson et al. 1986 qc Rf</b> 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravelly SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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PointID  
**CPT05**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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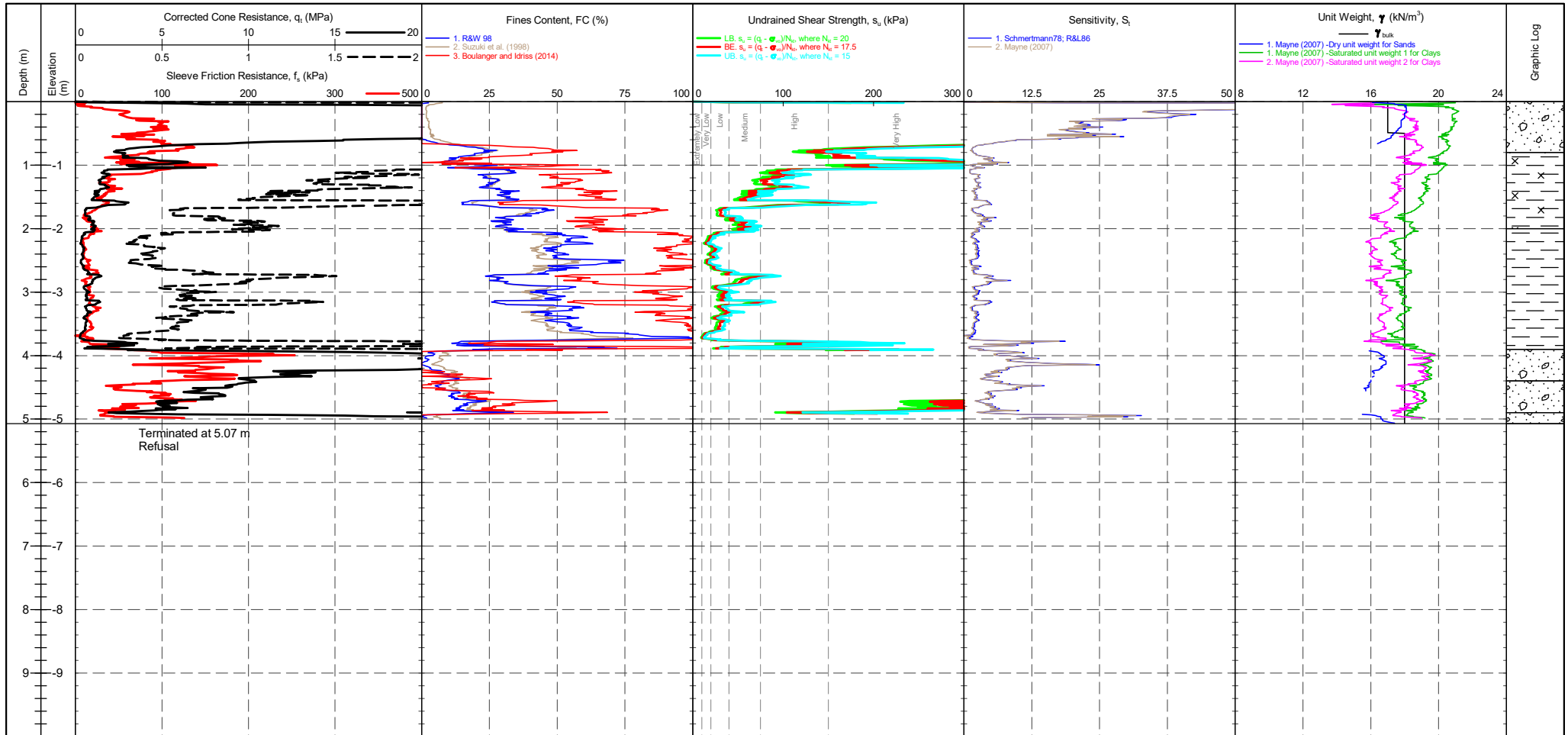


<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr><th>Transducer</th><th>Pre</th><th>Post</th><th>Difference</th></tr> <tr><td>Tip</td><td>264 mV</td><td>260 mV</td><td>-0.046 MPa</td></tr> <tr><td>Sleeve</td><td>257 mV</td><td>256 mV</td><td>-0.001 kPa</td></tr> <tr><td>Pore Pressure 2</td><td>262 mV</td><td>295 mV</td><td>0.009 kPa</td></tr> <tr><td>X-Y Inclinator</td><td>2489 mV</td><td>2594 mV</td><td></td></tr> </table>	Transducer	Pre	Post	Difference	Tip	264 mV	260 mV	-0.046 MPa	Sleeve	257 mV	256 mV	-0.001 kPa	Pore Pressure 2	262 mV	295 mV	0.009 kPa	X-Y Inclinator	2489 mV	2594 mV		<b>GRANULAR SOILS (Sands &amp; Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12</b> <table border="1"> <thead> <tr> <th>Description</th> <th>SBT Index, I_c</th> <th>Description</th> <th>SPT N value, NSPT</th> <th>Description</th> <th>Relative Density Dr (%)</th> </tr> </thead> <tbody> <tr> <td>Clays</td> <td>2.95-3.60</td> <td>Very Loose</td> <td>0 - 4</td> <td>Very Loose</td> <td>0 - 15</td> </tr> <tr> <td>Silt mixtures</td> <td>2.60-2.95</td> <td>Loose</td> <td>4 - 10</td> <td>Loose</td> <td>15 - 35</td> </tr> <tr> <td>Sand mixtures</td> <td>2.05-2.60</td> <td>Medium Dense</td> <td>10 - 30</td> <td>Medium Dense</td> <td>35 - 65</td> </tr> <tr> <td>Sands</td> <td>1.31-2.05</td> <td>Dense</td> <td>30 - 50</td> <td>Dense</td> <td>65 - 85</td> </tr> <tr> <td>Gravelly sand</td> <td>&lt;1.31</td> <td>Very Dense</td> <td>&gt;50</td> <td>Very Dense</td> <td>&gt;85</td> </tr> </tbody> </table>	Description	SBT Index, I_c	Description	SPT N value, NSPT	Description	Relative Density Dr (%)	Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15	Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35	Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65	Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85	Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85	Groundwater Level Dissipation Test
Transducer	Pre	Post	Difference																																																									
Tip	264 mV	260 mV	-0.046 MPa																																																									
Sleeve	257 mV	256 mV	-0.001 kPa																																																									
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Description	SBT Index, I_c	Description	SPT N value, NSPT	Description	Relative Density Dr (%)																																																							
Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15																																																							
Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35																																																							
Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65																																																							
Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85																																																							
Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85																																																							

PointID

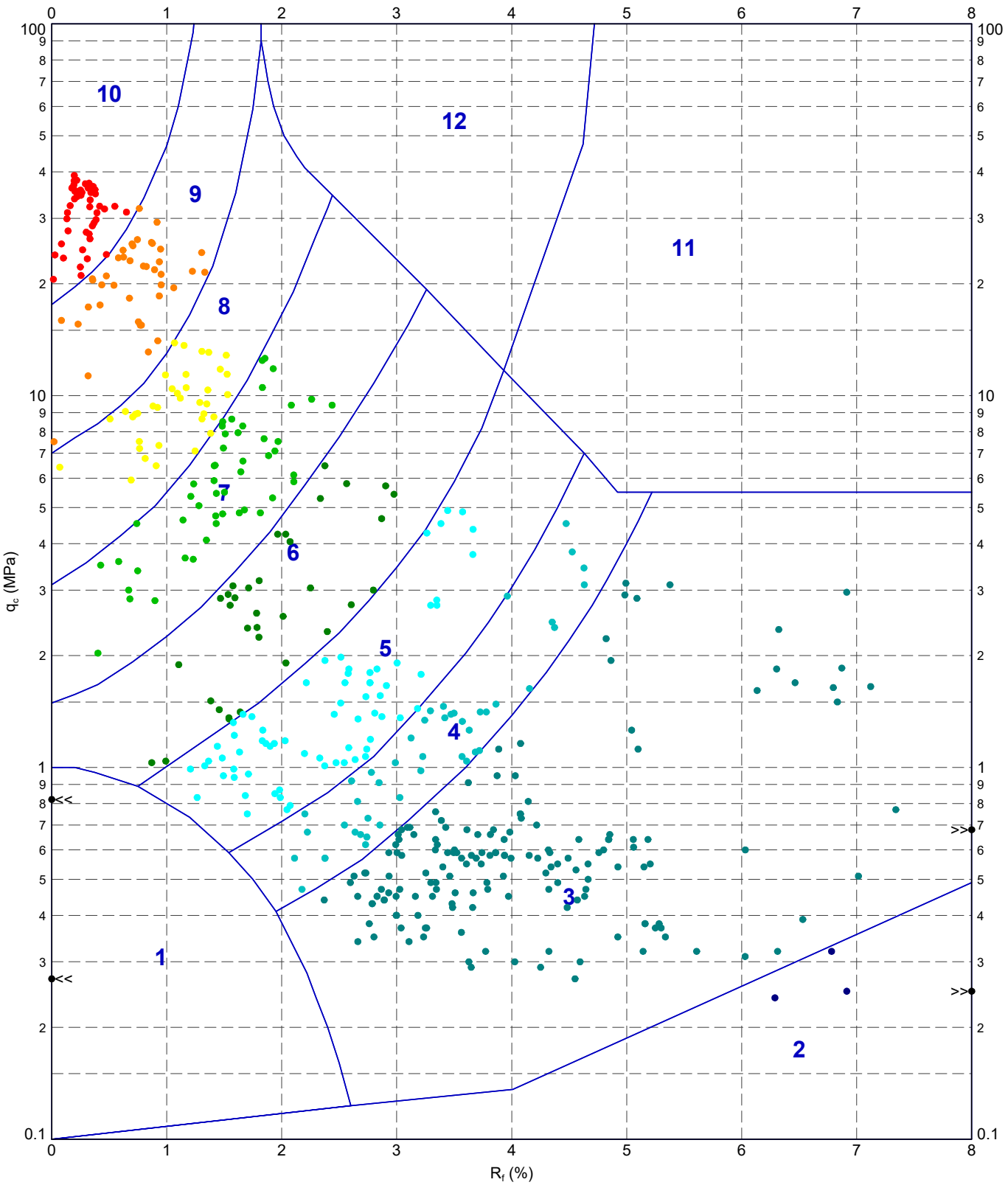
**CPT05**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>Transducer</b> Tip: 264 mV Sleeve: 257 mV Pore Pressure 2: 262 mV X-Y Inclinator: 2489 mV	<b>CPTU ZERO VALUES</b> Post: 260 mV Difference: -0.046 MPa 256 mV -0.001 kPa 295 mV 0.009 kPa 2594 mV	<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> Term based on measurement su (kPa) Extremely low strength <10 Very low strength 10-20 Low strength 20-40	Term based on measurement su (kPa) Medium strength 40-75 High strength 75-150 Very high strength 150-300 Extremely high strength >300	Groundwater Level Dissipation Test
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220628-ADVANCED REPORT INSTIUSI 2.02.1 LIB - CHLOE.GLB Graph: CPT ROBERTSON ET AL. 8F QC VS. RF APF 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 11:02 10.03.00.09 Datag Lab and In Situ Tool - DGD Lib: In Situ SI 2.02.0207-07-10 Proj: In Situ SI 2.02.0 2007-07-10



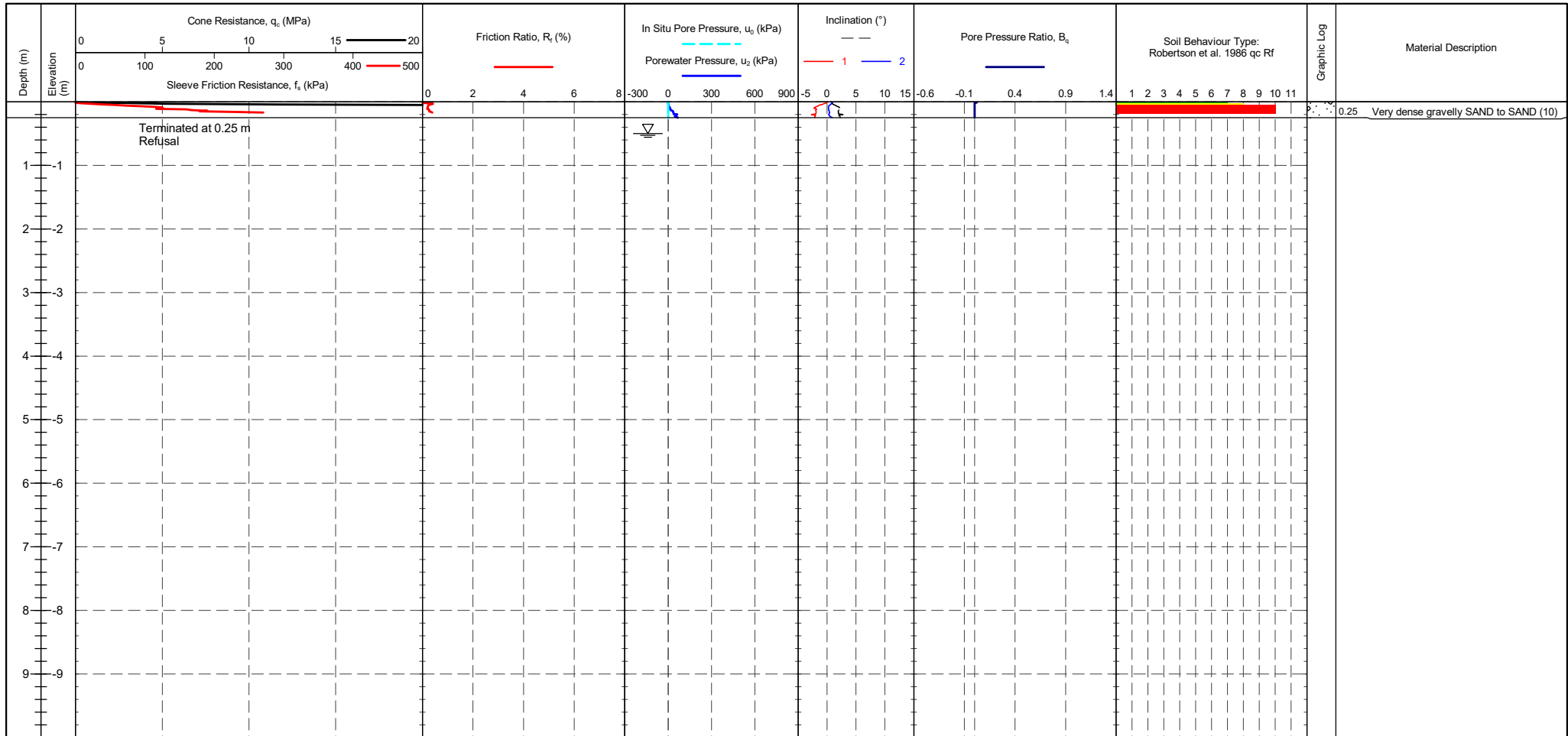
METHOD: Robertson et al. 1986 qc Rf

- 1 - Sensitive fine grained material
- 4 - Silty CLAY to CLAY
- 7 - Silty SAND to sandy SILT
- 10 - Gravelly SAND to SAND
- 2 - Organic material
- 5 - Clayey SILT to silty CLAY
- 8 - SAND to silty SAND
- 11 - Very stiff fine grained
- 3 - CLAY
- 6 - Sandy SILT to clayey SILT
- 9 - SAND
- 12 - SAND to clayey SAND

	TITLE	DRAWN	DATE
	Terra Firma (South) Canford Canford Energy Park Robertson et al. 1986 qc vs. Rf - CPT05		12/07/2022
		CHECKED	DATE
			12/07/2022
		SCALE	Not To Scale
		PROJECT No	1220328
		FIGURE No	A4

PointID  
**CPT06**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on total pressure.	SHEET : 1 OF 1 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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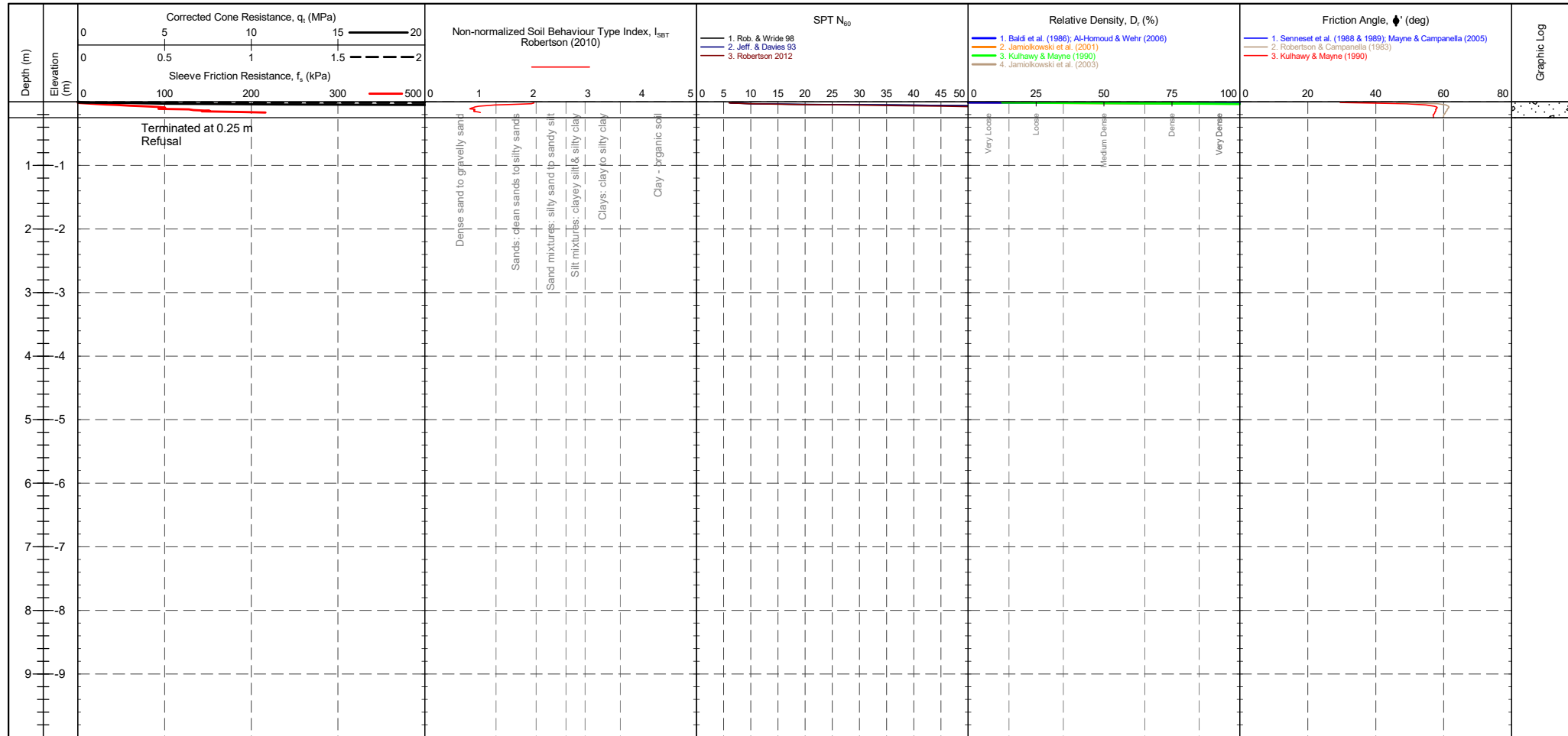


CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer Pre Post Difference Tip 262 mV 267 mV 0.058 MPa Sleeve 255 mV 256 mV 0.001 kPa Pore Pressure 2 241 mV 247 mV 0.002 kPa X-Y Inclinometer 2511 mV 2519 mV	<b>METHOD: Robertson et al. 1986 qc Rf</b> 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravely SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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PointID  
**CPT06**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>Transducer</b> Tip: 262 mV / 267 mV / 0.058 MPa Sleeve: 255 mV / 256 mV / 0.001 kPa Pore Pressure 2: 241 mV / 247 mV / 0.002 kPa X-Y Inclinator: 2511 mV / 2519 mV	<b>CPTU ZERO VALUES</b> Pre: 262 mV, Post: 267 mV, Difference: 0.058 MPa Pre: 255 mV, Post: 256 mV, Difference: 0.001 kPa Pre: 241 mV, Post: 247 mV, Difference: 0.002 kPa Pre: 2511 mV, Post: 2519 mV	<b>GRANULAR SOILS (Sands &amp; Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12</b> <table border="1"> <thead> <tr> <th>Description</th> <th>SBT Index, I<sub>c</sub></th> <th>Description</th> <th>SPT N value, NSPT</th> <th>Description</th> <th>Relative Density Dr (%)</th> </tr> </thead> <tbody> <tr> <td>Clays</td> <td>2.95-3.60</td> <td>Very Loose</td> <td>0 - 4</td> <td>Very Loose</td> <td>0 - 15</td> </tr> <tr> <td>Silt mixtures</td> <td>2.60-2.95</td> <td>Loose</td> <td>4 - 10</td> <td>Loose</td> <td>15 - 35</td> </tr> <tr> <td>Sand mixtures</td> <td>2.05-2.60</td> <td>Medium Dense</td> <td>10 - 30</td> <td>Medium Dense</td> <td>35 - 65</td> </tr> <tr> <td>Sands</td> <td>1.31-2.05</td> <td>Dense</td> <td>30 - 50</td> <td>Dense</td> <td>65 - 85</td> </tr> <tr> <td>Gravelly sand</td> <td>&lt;1.31</td> <td>Very Dense</td> <td>&gt;50</td> <td>Very Dense</td> <td>&gt;85</td> </tr> </tbody> </table>	Description	SBT Index, I <sub>c</sub>	Description	SPT N value, NSPT	Description	Relative Density Dr (%)	Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15	Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35	Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65	Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85	Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85	Groundwater Level Dissipation Test
Description	SBT Index, I <sub>c</sub>	Description	SPT N value, NSPT	Description	Relative Density Dr (%)																																				
Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15																																				
Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35																																				
Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65																																				
Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85																																				
Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85																																				

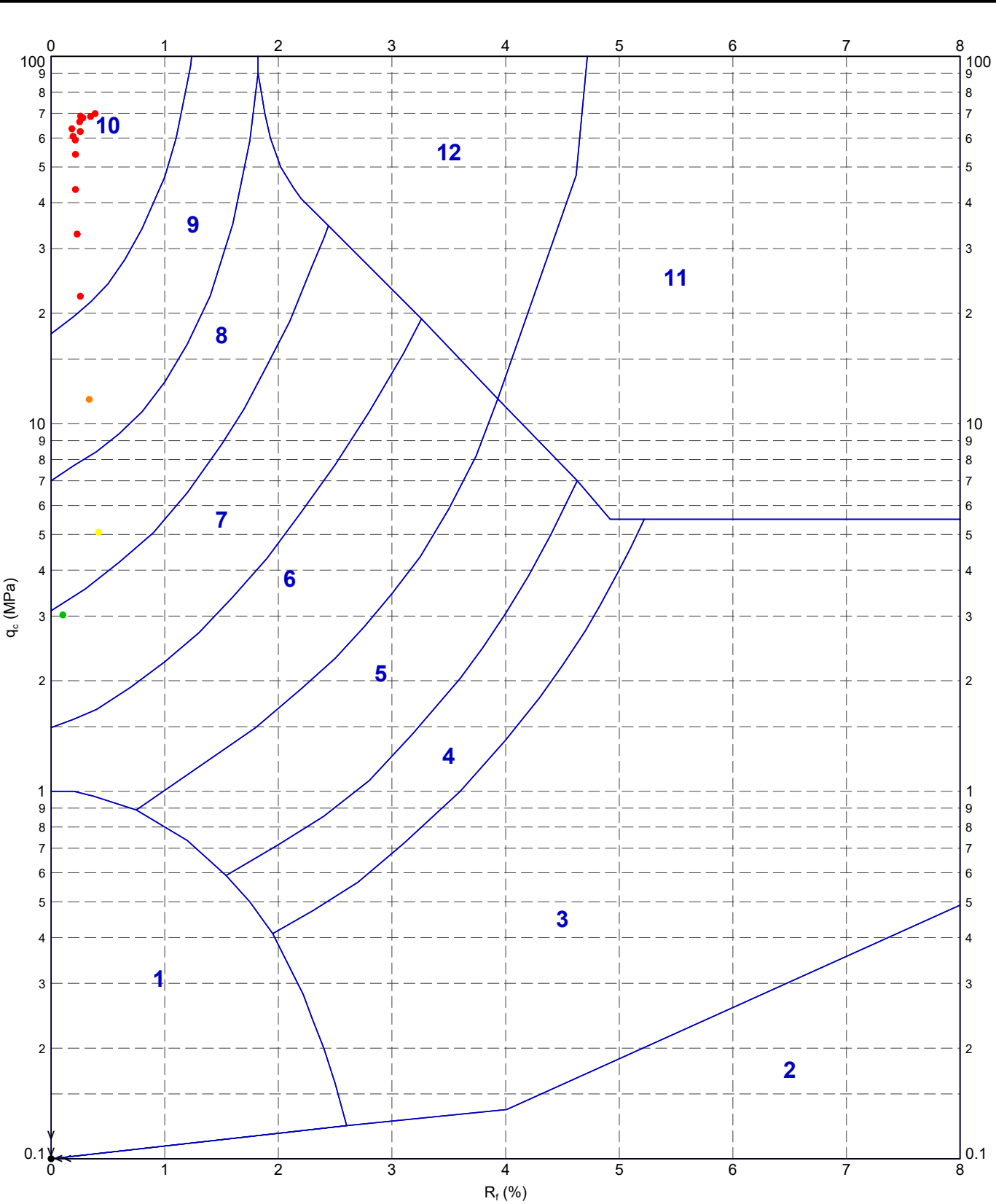
PointID  
**CPT06**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 1 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr><th>Transducer</th><th>Pre</th><th>Post</th><th>Difference</th></tr> <tr><td>Tip</td><td>262 mV</td><td>267 mV</td><td>0.058 MPa</td></tr> <tr><td>Sleeve</td><td>255 mV</td><td>256 mV</td><td>0.001 kPa</td></tr> <tr><td>Pore Pressure 2</td><td>241 mV</td><td>247 mV</td><td>0.002 kPa</td></tr> <tr><td>X-Y Inclinator</td><td>2511 mV</td><td>2519 mV</td><td></td></tr> </table>	Transducer	Pre	Post	Difference	Tip	262 mV	267 mV	0.058 MPa	Sleeve	255 mV	256 mV	0.001 kPa	Pore Pressure 2	241 mV	247 mV	0.002 kPa	X-Y Inclinator	2511 mV	2519 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr><th>Term based on measurement</th><th>su (kPa)</th><th>Term based on measurement</th><th>su (kPa)</th></tr> <tr><td>Extremely low strength</td><td>&lt;10</td><td>Medium strength</td><td>40-75</td></tr> <tr><td>Very low strength</td><td>10-20</td><td>High strength</td><td>75-150</td></tr> <tr><td>Low strength</td><td>20-40</td><td>Very high strength</td><td>150-300</td></tr> <tr><td></td><td></td><td>Extremely high strength</td><td>&gt;300</td></tr> </table>	Term based on measurement	su (kPa)	Term based on measurement	su (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	Groundwater Level Dissipation Test
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220628-ADVANCED REPORT INSTITUTE 2.02.1 LIB - CHLOE.GLB Graph: CPT ROBERTSON ET AL. 8F QC VS. RF APF 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 11:03 10.03.00.09 Datagel Lab and In Situ Tool - DGD [Lib: In Situ SI 2.02.0.2017-07-10 Proj: In Situ SI 2.02.0.2017-07-10



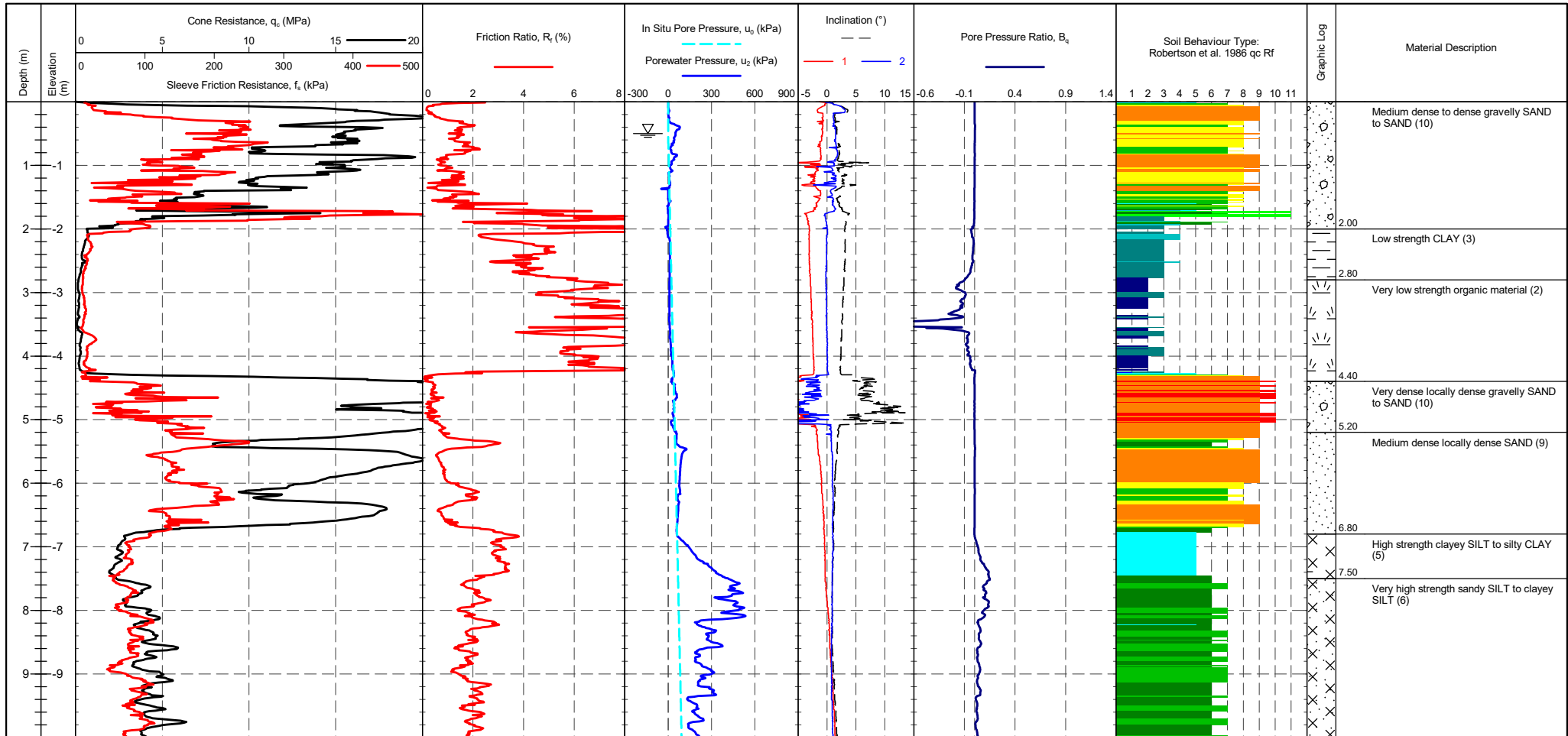
METHOD: Robertson et al. 1986 q<sub>c</sub> R<sub>f</sub>

- 1 - Sensitive fine grained material
- 4 - Silty CLAY to CLAY
- 7 - Silty SAND to sandy SILT
- 10 - Gravelly SAND to SAND
- 2 - Organic material
- 5 - Clayey SILT to silty CLAY
- 8 - SAND to silty SAND
- 11 - Very stiff fine grained
- 3 - CLAY
- 6 - Sandy SILT to clayey SILT
- 9 - SAND
- 12 - SAND to clayey SAND

	TITLE	DRAWN	DATE
	TerraFirma (South) Canford Canford Energy Park Robertson et al. 1986 q <sub>c</sub> vs. R <sub>f</sub> - CPT06	CHECKED	DATE
	SCALE	Not To Scale	
	PROJECT No 1220328	FIGURE No A4	

PointID	<b>CPT07</b>
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<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on total pressure.	SHEET : 1 OF 3 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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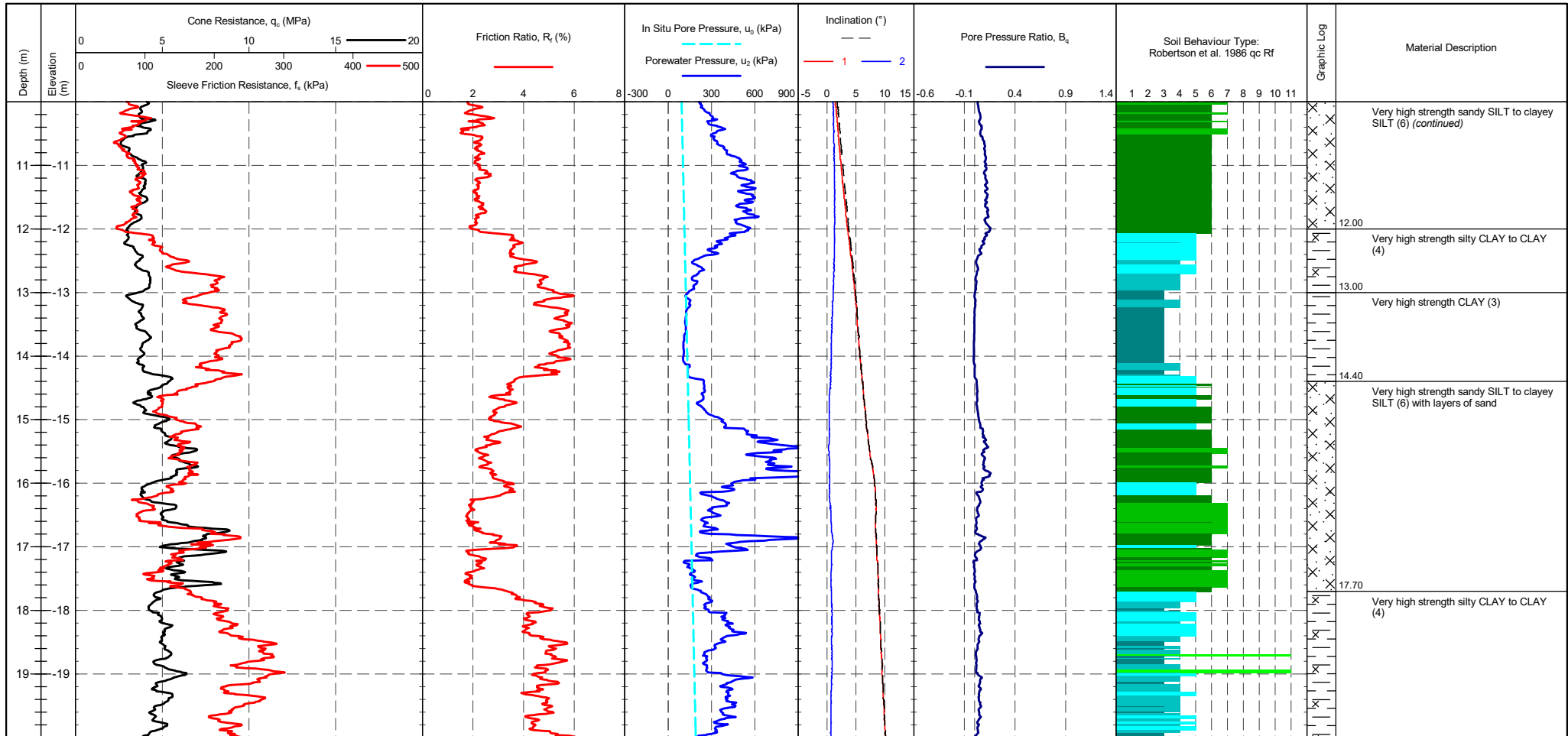


CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer : Pre Post Difference Tip : 260 mV 258 mV -0.023 MPa Sleeve : 254 mV 250 mV -0.003 kPa Pore Pressure 2 : 243 mV 361 mV 0.033 kPa X-Y Inclinator : 2565 mV 2516 mV	METHOD: Robertson et al. 1986 qc Rf 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravelly SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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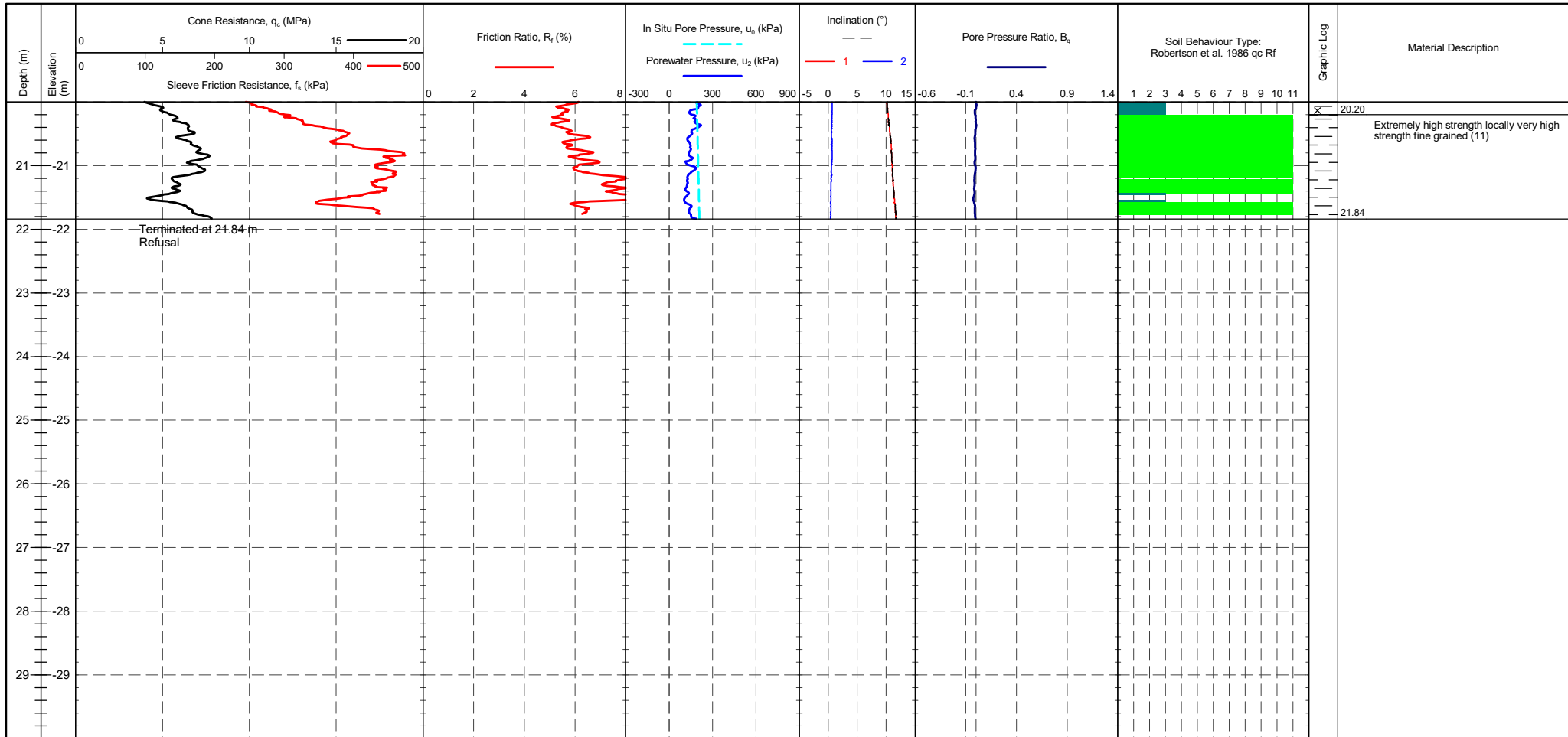
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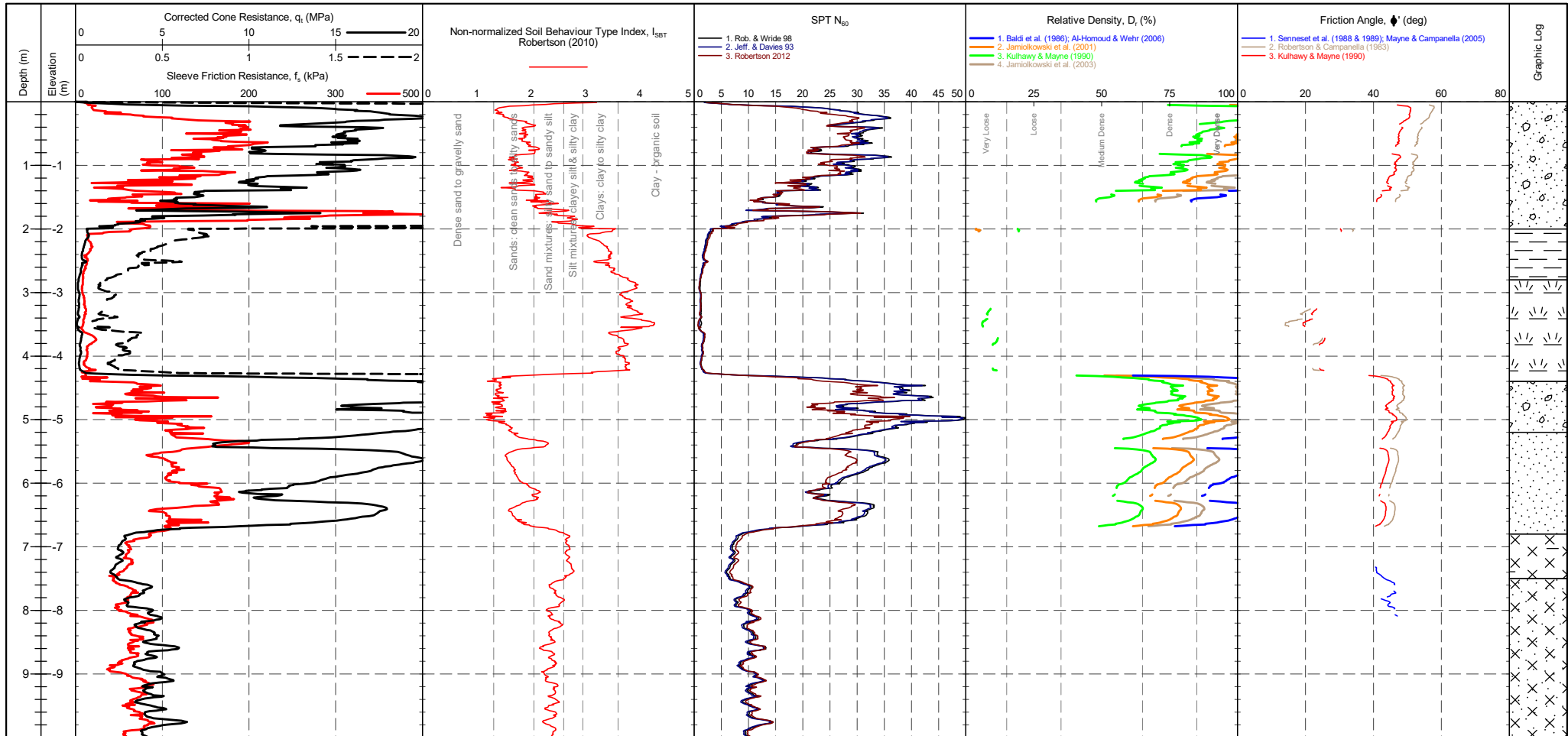
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PointID  
**CPT07**

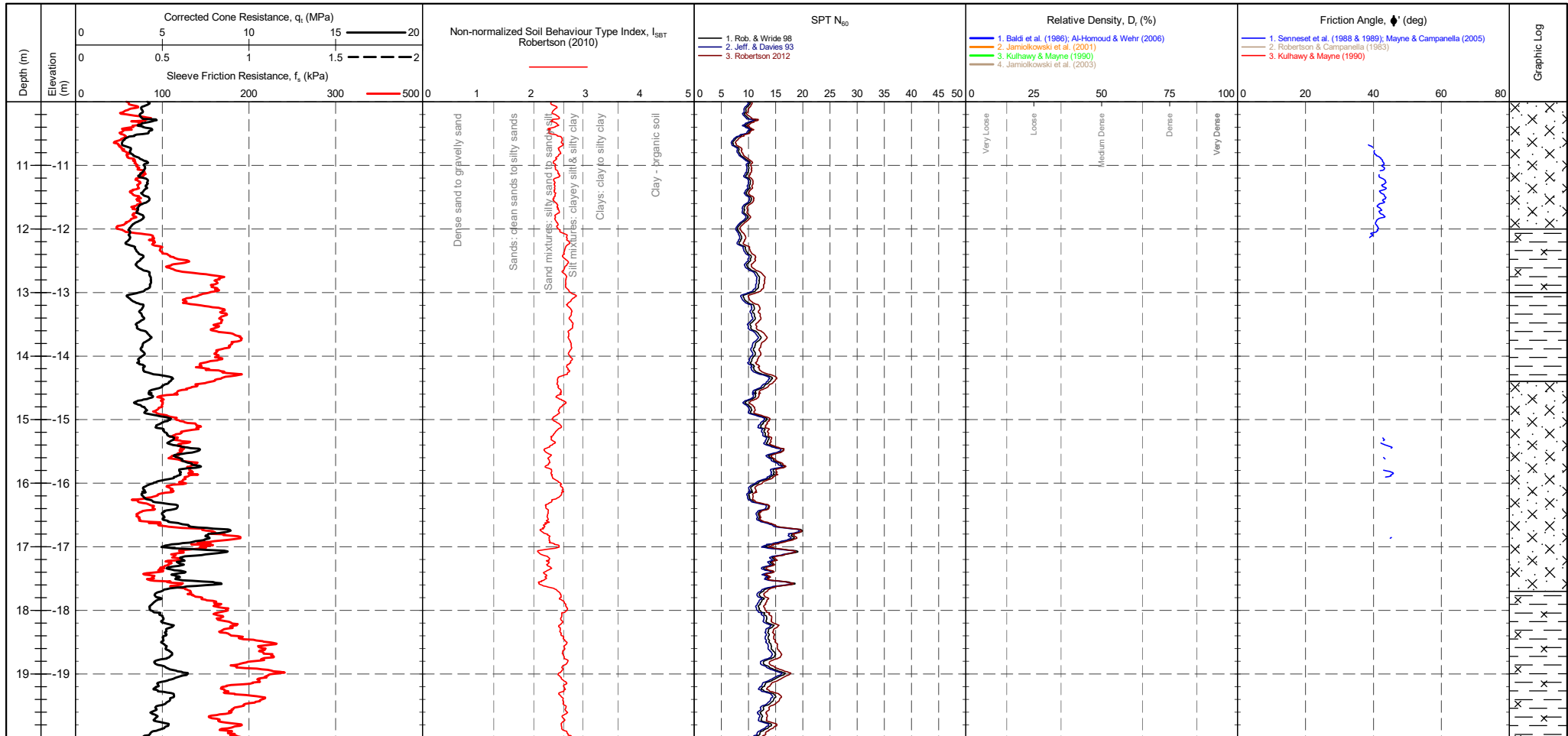
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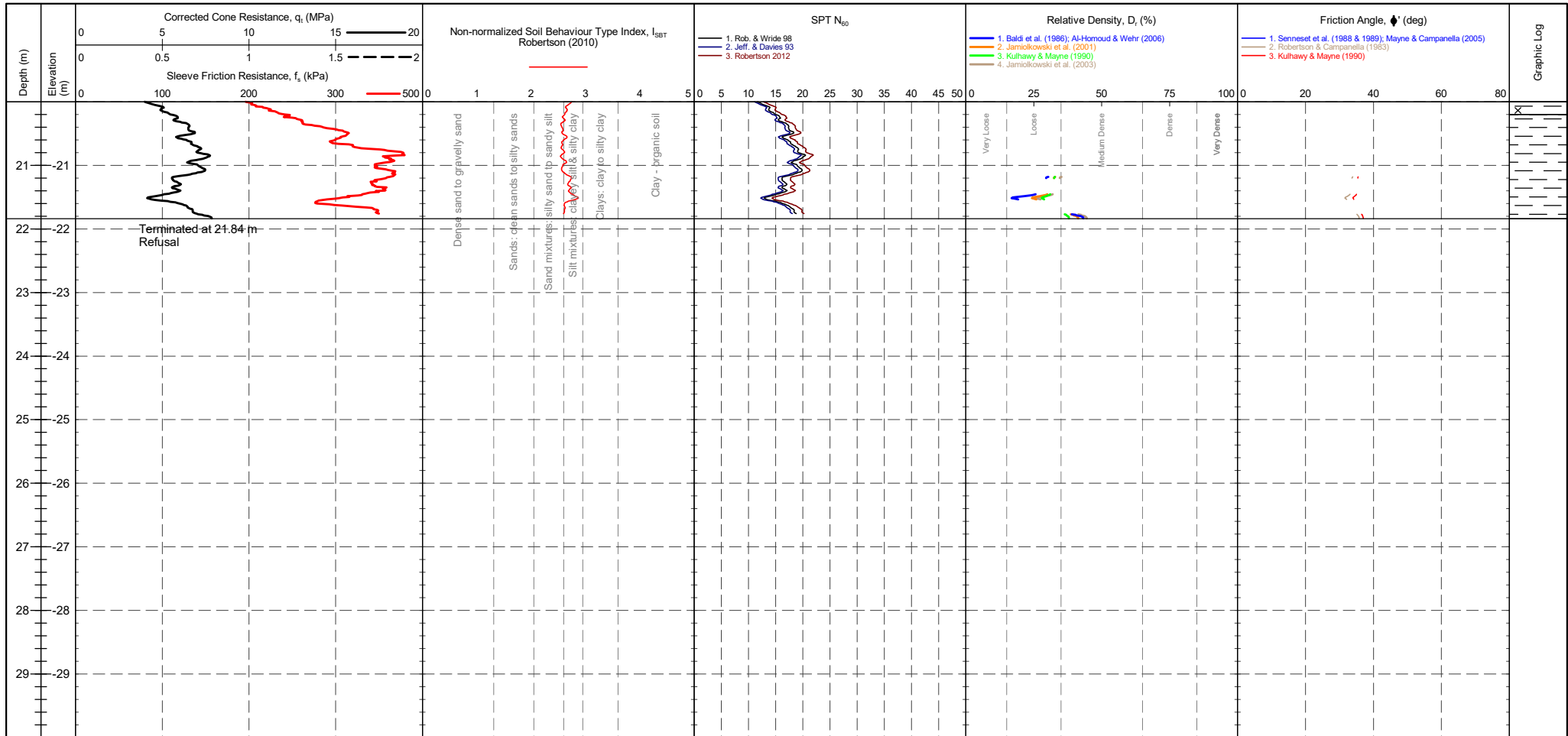


<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>260 mV</td> <td>258 mV</td> <td>-0.023 MPa</td> </tr> <tr> <td>Sleeve</td> <td>254 mV</td> <td>250 mV</td> <td>-0.003 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>243 mV</td> <td>361 mV</td> <td>0.033 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2565 mV</td> <td>2516 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	258 mV	-0.023 MPa	Sleeve	254 mV	250 mV	-0.003 kPa	Pore Pressure 2	243 mV	361 mV	0.033 kPa	X-Y Inclinator	2565 mV	2516 mV		<b>GRANULAR SOILS (Sands &amp; Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12</b> <table border="1"> <thead> <tr> <th>Description</th> <th>SBT Index, I_c</th> <th>Description</th> <th>SPT N value, NSPT</th> <th>Description</th> <th>Relative Density Dr (%)</th> </tr> </thead> <tbody> <tr> <td>Clays</td> <td>2.95-3.60</td> <td>Very Loose</td> <td>0 - 4</td> <td>Very Loose</td> <td>0 - 15</td> </tr> <tr> <td>Silt mixtures</td> <td>2.60-2.95</td> <td>Loose</td> <td>4 - 10</td> <td>Loose</td> <td>15 - 35</td> </tr> <tr> <td>Sand mixtures</td> <td>2.05-2.60</td> <td>Medium Dense</td> <td>10 - 30</td> <td>Medium Dense</td> <td>35 - 65</td> </tr> <tr> <td>Sands</td> <td>1.31-2.05</td> <td>Dense</td> <td>30 - 50</td> <td>Dense</td> <td>65 - 85</td> </tr> <tr> <td>Gravelly sand</td> <td>&lt;1.31</td> <td>Very Dense</td> <td>&gt;50</td> <td>Very Dense</td> <td>&gt;85</td> </tr> </tbody> </table>	Description	SBT Index, I_c	Description	SPT N value, NSPT	Description	Relative Density Dr (%)	Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15	Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35	Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65	Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85	Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85	Groundwater Level Dissipation Test
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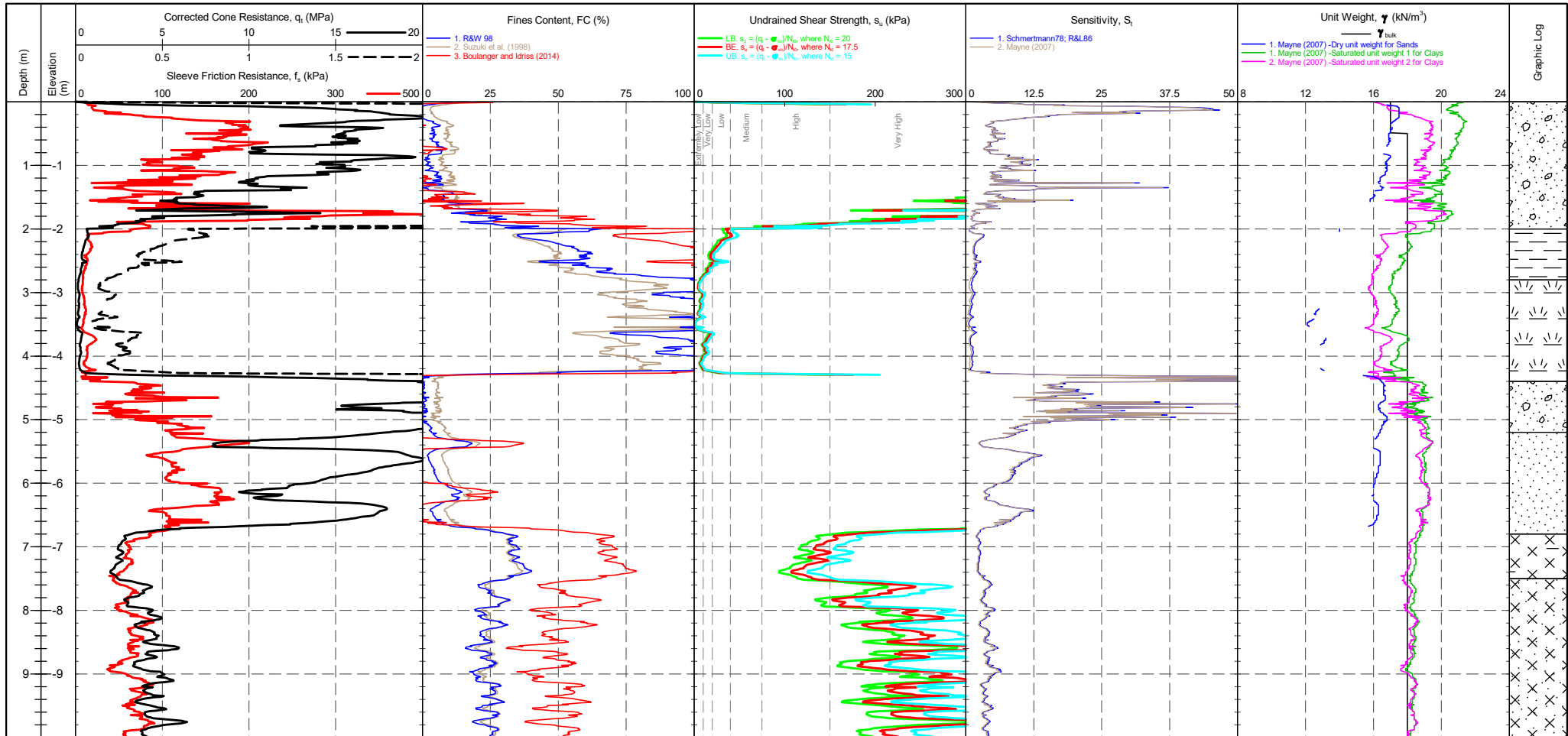


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Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85																																																							

PointID

**CPT07**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 1 OF 3 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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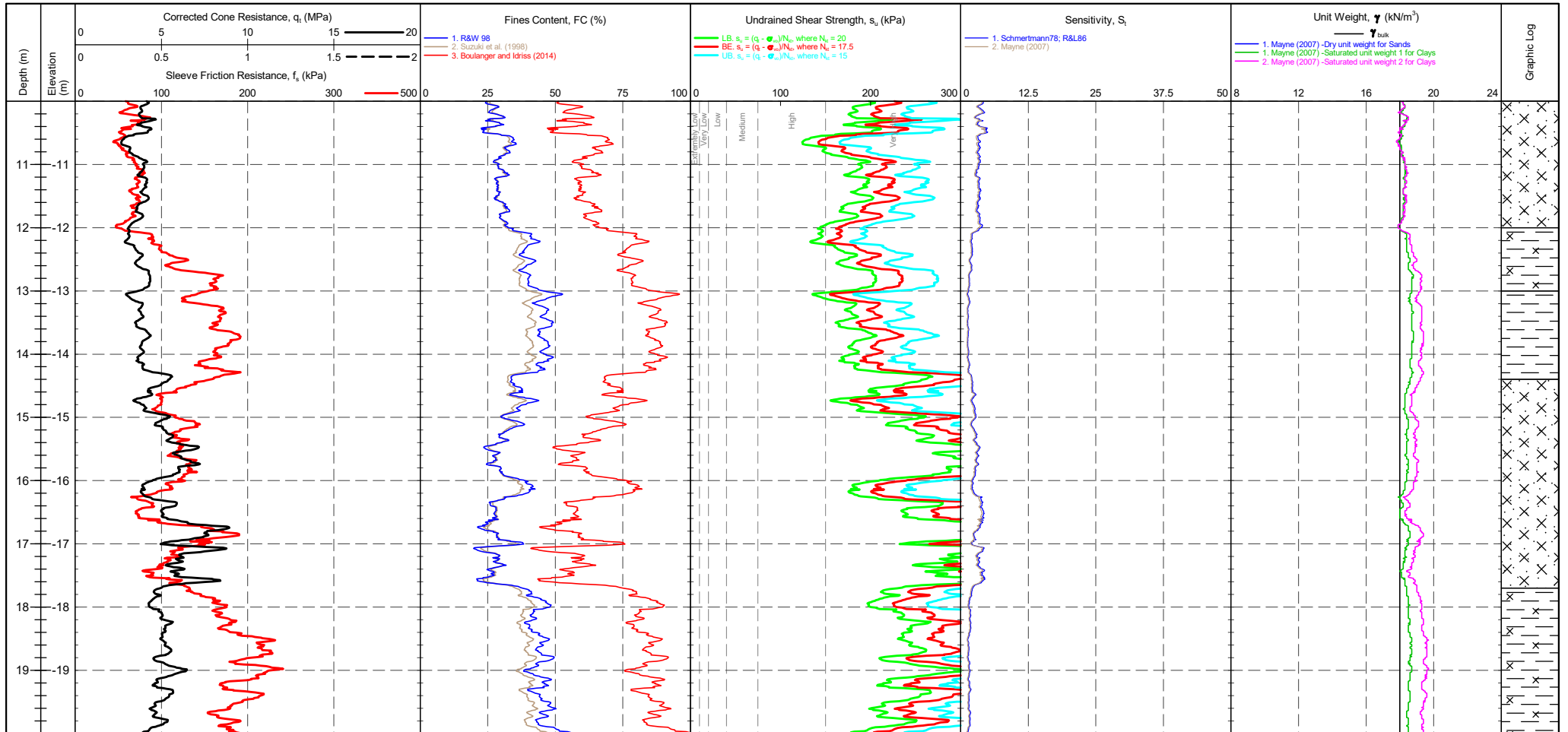


<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>260 mV</td> <td>258 mV</td> <td>-0.023 MPa</td> </tr> <tr> <td>Sleeve</td> <td>254 mV</td> <td>250 mV</td> <td>-0.003 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>243 mV</td> <td>361 mV</td> <td>0.033 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2565 mV</td> <td>2516 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	258 mV	-0.023 MPa	Sleeve	254 mV	250 mV	-0.003 kPa	Pore Pressure 2	243 mV	361 mV	0.033 kPa	X-Y Inclinator	2565 mV	2516 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr> <th>Term based on measurement</th> <th><math>s_u</math> (kPa)</th> <th>Term based on measurement</th> <th><math>s_u</math> (kPa)</th> </tr> <tr> <td>Extremely low strength</td> <td>&lt;10</td> <td>Medium strength</td> <td>40-75</td> </tr> <tr> <td>Very low strength</td> <td>10-20</td> <td>High strength</td> <td>75-150</td> </tr> <tr> <td>Low strength</td> <td>20-40</td> <td>Very high strength</td> <td>150-300</td> </tr> <tr> <td></td> <td></td> <td>Extremely high strength</td> <td>&gt;300</td> </tr> </table>	Term based on measurement	$s_u$ (kPa)	Term based on measurement	$s_u$ (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	<b>Groundwater Level</b>  <b>Dissipation Test</b> 
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PointID

**CPT07**

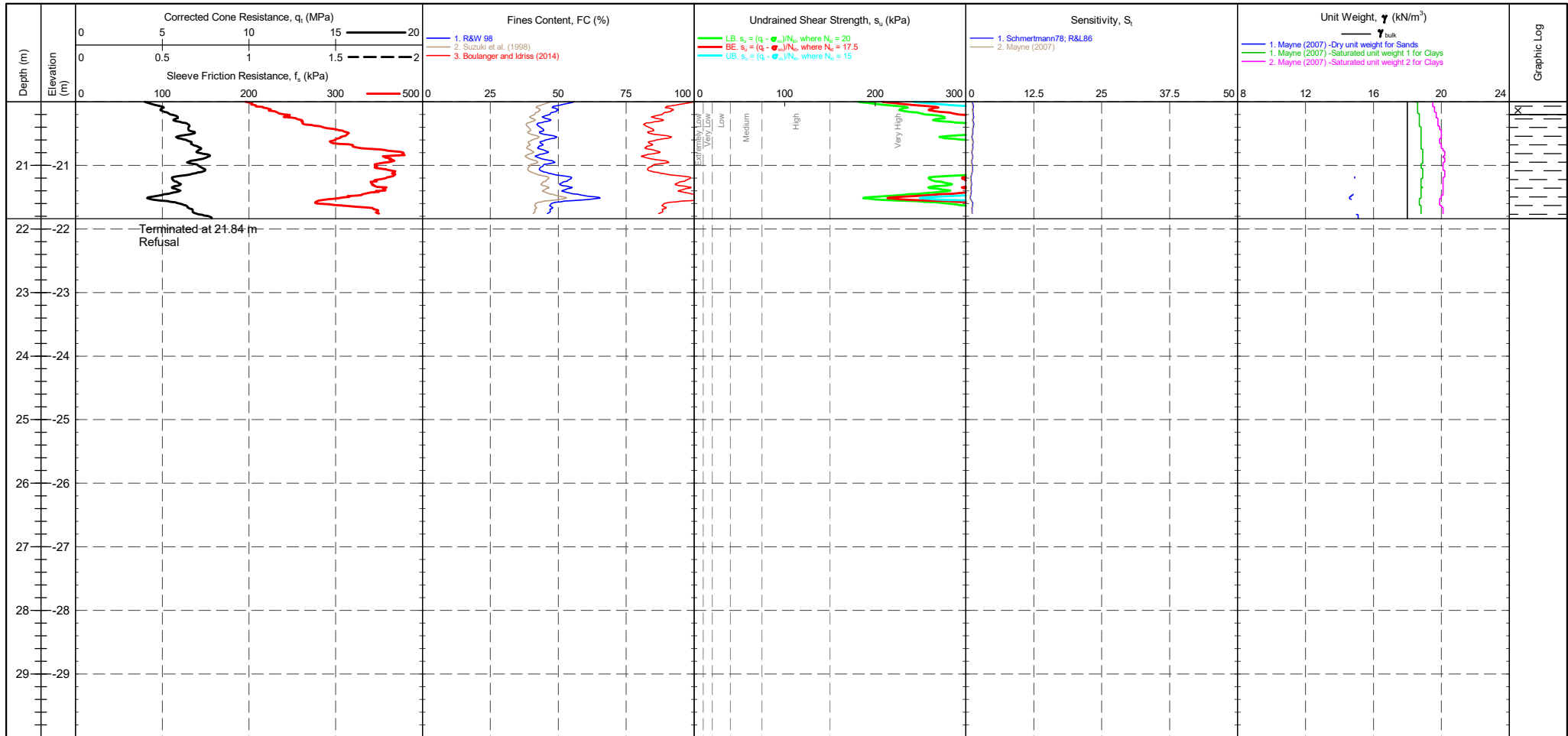
<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 2 OF 3 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr><th>Transducer</th><th>Pre</th><th>Post</th><th>Difference</th></tr> <tr><td>Tip</td><td>260 mV</td><td>258 mV</td><td>-0.023 MPa</td></tr> <tr><td>Sleeve</td><td>254 mV</td><td>250 mV</td><td>-0.003 kPa</td></tr> <tr><td>Pore Pressure 2</td><td>243 mV</td><td>361 mV</td><td>0.033 kPa</td></tr> <tr><td>X-Y Inclinator</td><td>2565 mV</td><td>2516 mV</td><td></td></tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	258 mV	-0.023 MPa	Sleeve	254 mV	250 mV	-0.003 kPa	Pore Pressure 2	243 mV	361 mV	0.033 kPa	X-Y Inclinator	2565 mV	2516 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr><th>Term based on measurement</th><th>su (kPa)</th><th>Term based on measurement</th><th>su (kPa)</th></tr> <tr><td>Extremely low strength</td><td>&lt;10</td><td>Medium strength</td><td>40-75</td></tr> <tr><td>Very low strength</td><td>10-20</td><td>High strength</td><td>75-150</td></tr> <tr><td>Low strength</td><td>20-40</td><td>Very high strength</td><td>150-300</td></tr> <tr><td></td><td></td><td>Extremely high strength</td><td>&gt;300</td></tr> </table>	Term based on measurement	su (kPa)	Term based on measurement	su (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	Groundwater Level Dissipation Test
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**CPT07**

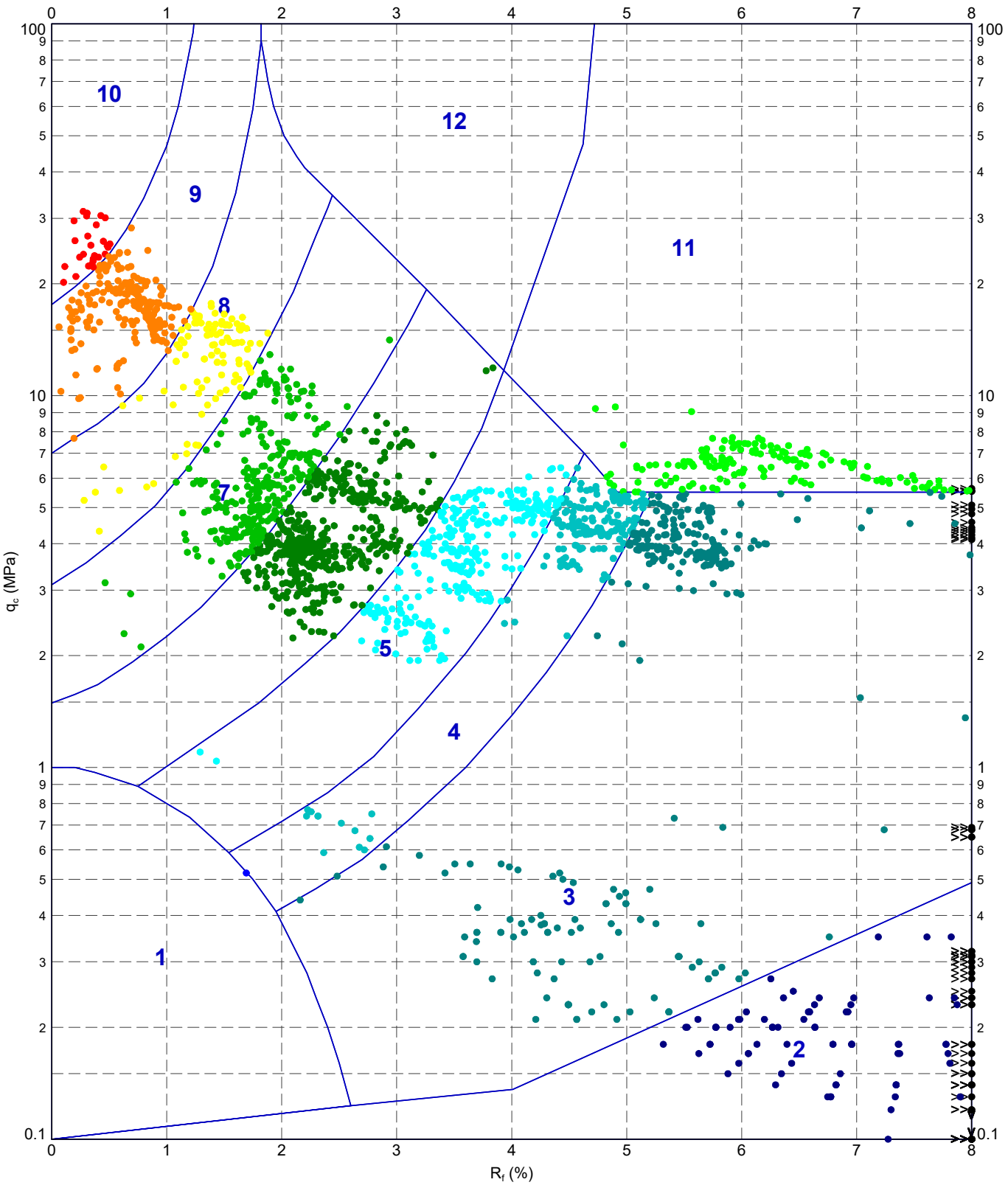
<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on total pressure.	<b>SHEET</b> : 3 OF 3 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr><th>Transducer</th><th>Pre</th><th>Post</th><th>Difference</th></tr> <tr><td>Tip</td><td>260 mV</td><td>258 mV</td><td>-0.023 MPa</td></tr> <tr><td>Sleeve</td><td>254 mV</td><td>250 mV</td><td>-0.003 kPa</td></tr> <tr><td>Pore Pressure 2</td><td>243 mV</td><td>361 mV</td><td>0.033 kPa</td></tr> <tr><td>X-Y Inclinator</td><td>2565 mV</td><td>2516 mV</td><td></td></tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	258 mV	-0.023 MPa	Sleeve	254 mV	250 mV	-0.003 kPa	Pore Pressure 2	243 mV	361 mV	0.033 kPa	X-Y Inclinator	2565 mV	2516 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr><th>Term based on measurement</th><th>su (kPa)</th><th>Term based on measurement</th><th>su (kPa)</th></tr> <tr><td>Extremely low strength</td><td>&lt;10</td><td>Medium strength</td><td>40-75</td></tr> <tr><td>Very low strength</td><td>10-20</td><td>High strength</td><td>75-150</td></tr> <tr><td>Low strength</td><td>20-40</td><td>Very high strength</td><td>150-300</td></tr> <tr><td></td><td></td><td>Extremely high strength</td><td>&gt;300</td></tr> </table>	Term based on measurement	su (kPa)	Term based on measurement	su (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	Groundwater Level Dissipation Test
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220628-ADVANCED REPORT INSTIUSI 2.02.1 LIB - CHLOE.GLB Graph CPT ROBERTSON ET AL. 8F QC VS. RF APF 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 11:06 10.03.00.09 Datagel Lab and In Situ Tool - DGD Lib: In Situ SI 2.02.0.2017-07-10 Proj: In Situ SI 2.02.0.2017-07-10



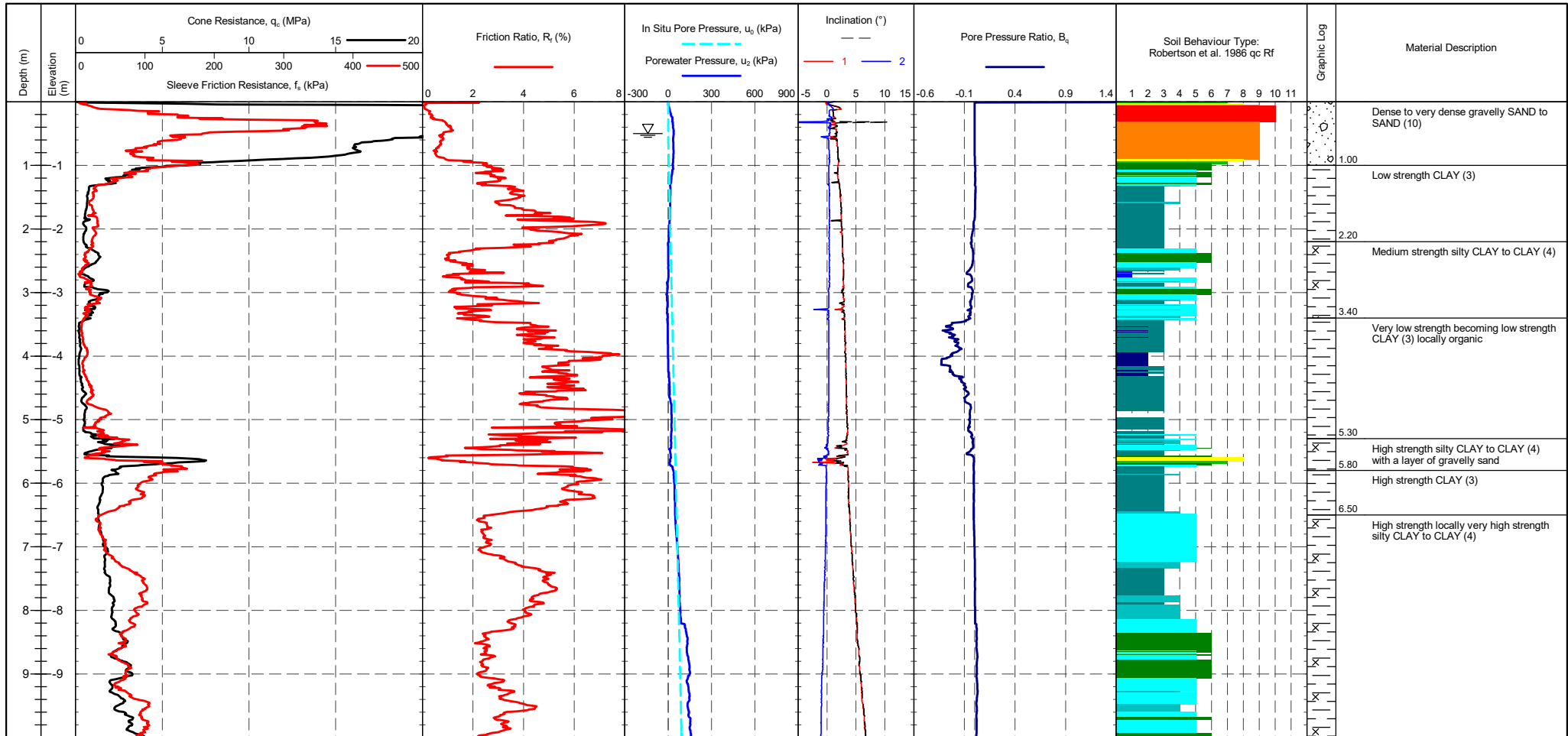
METHOD: Robertson et al. 1986 qc Rf

- 1 - Sensitive fine grained material
- 4 - Silty CLAY to CLAY
- 7 - Silty SAND to sandy SILT
- 10 - Gravelly SAND to SAND
- 2 - Organic material
- 5 - Clayey SILT to silty CLAY
- 8 - SAND to silty SAND
- 11 - Very stiff fine grained
- 3 - CLAY
- 6 - Sandy SILT to clayey SILT
- 9 - SAND
- 12 - SAND to clayey SAND

	TITLE	DRAWN	DATE
	TerraFirma (South) Canford Canford Energy Park Robertson et al. 1986 qc vs. Rf - CPT07	CHECKED	DATE
	SCALE	Not To Scale	
	PROJECT No 1220328	FIGURE No A4	

PointID	<b>CPT08</b>
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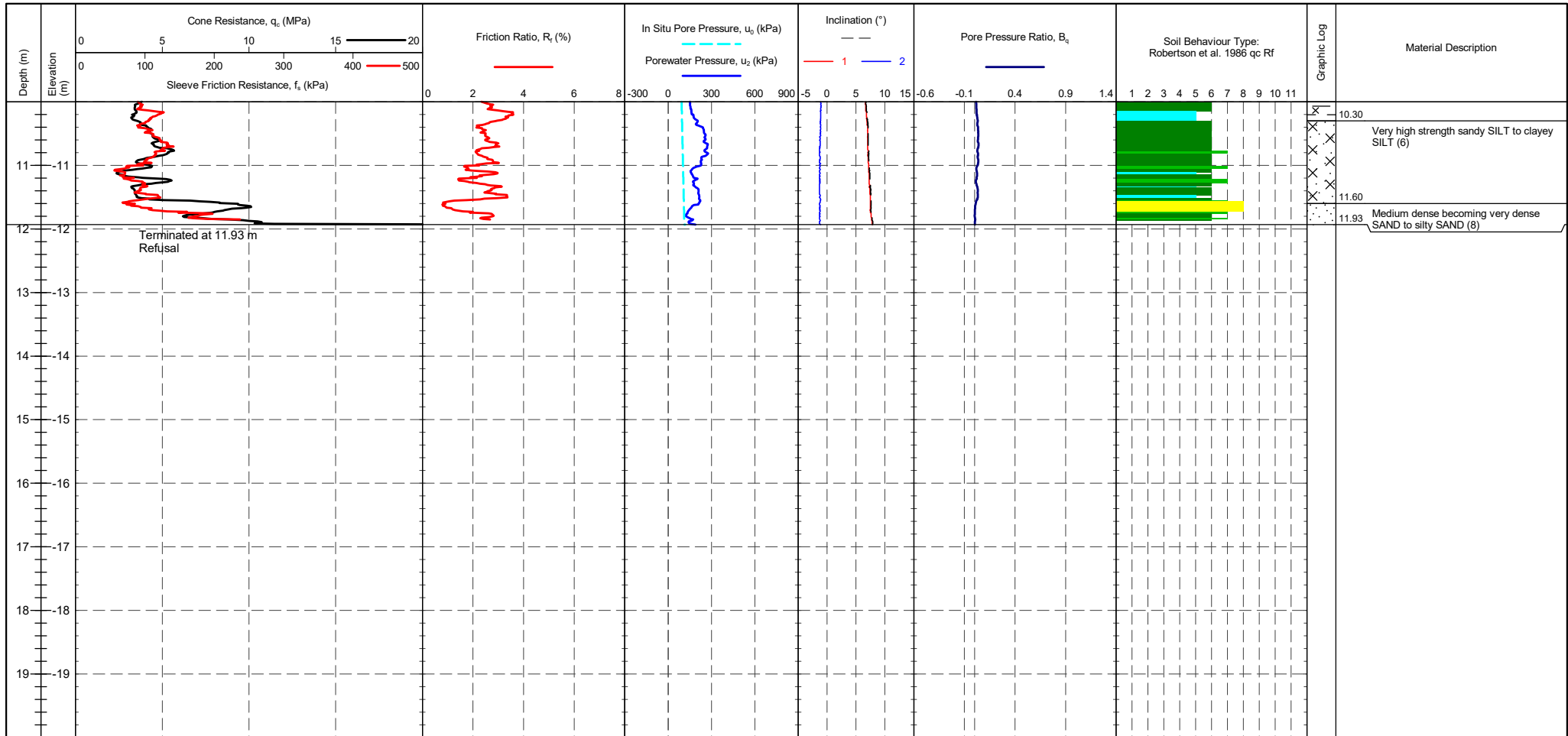
<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on tip resistance.	SHEET : 1 OF 2 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer Tip : Pre 260 mV, Post 264 mV, Difference 0.046 MPa Sleeve : Pre 253 mV, Post 257 mV, Difference 0.003 kPa Pore Pressure 2 : Pre 287 mV, Post 332 mV, Difference 0.012 kPa X-Y Inclinometer : Pre 2464 mV, Post 2488 mV	METHOD: Robertson et al. 1986 qc Rf 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravely SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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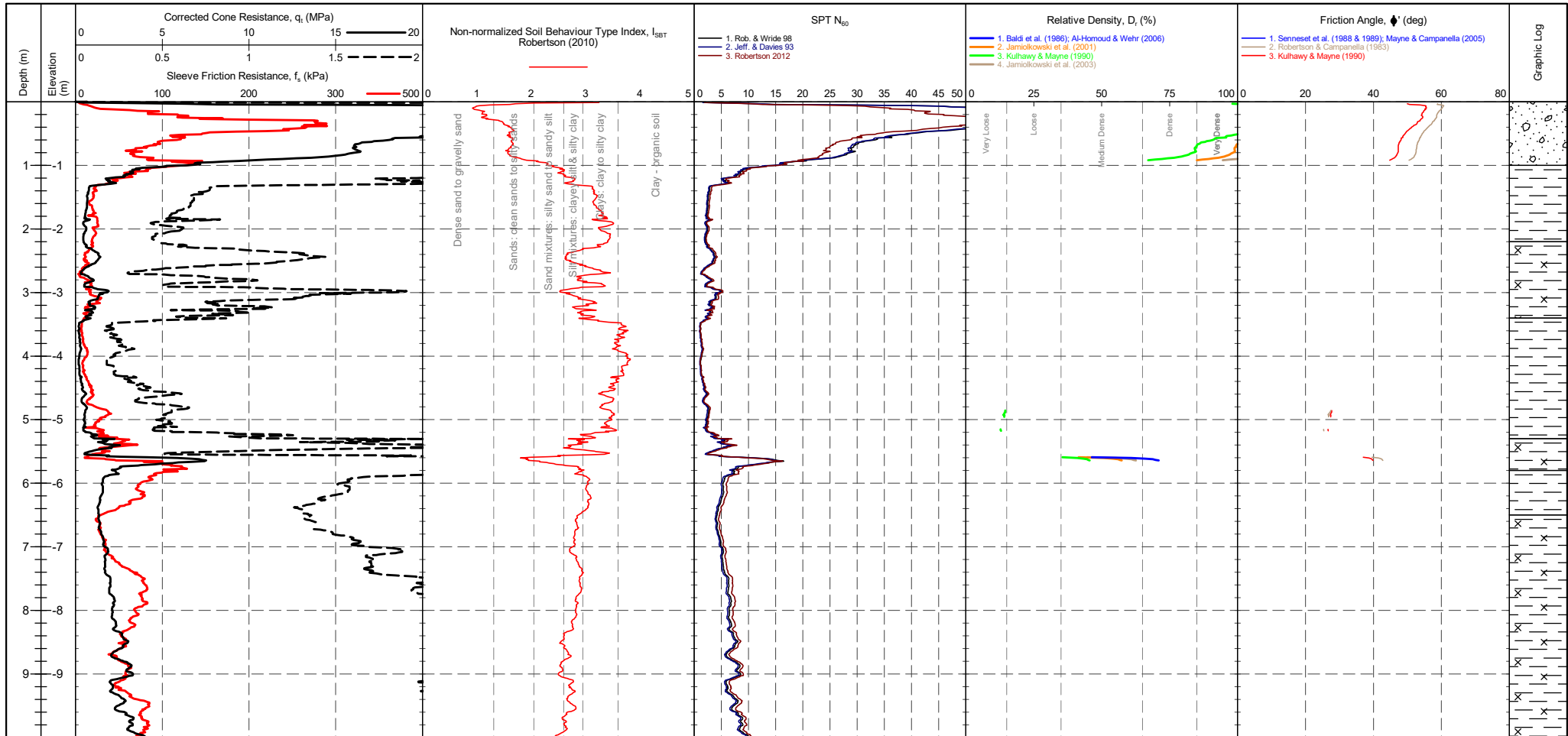
<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on tip resistance.	SHEET : 2 OF 2 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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CONE ID : S15-CFIP.2112 CALIBRATION DATE : 29/04/2022 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild GROUNDWATER DEPTH : Assumed for calculation purposes	<b>CPTU ZERO VALUES</b> Transducer Pre Post Difference Tip 260 mV 264 mV 0.046 MPa Sleeve 253 mV 257 mV 0.003 kPa Pore Pressure 2 287 mV 332 mV 0.012 kPa X-Y Inclinator 2464 mV 2488 mV	<b>METHOD: Robertson et al. 1986 qc Rf</b> 1 - Sensitive fine grained material 2 - Organic material 3 - CLAY 4 - Silty CLAY to CLAY 5 - Clayey SILT to silty CLAY 6 - Sandy SILT to clayey SILT 7 - Silty SAND to sandy SILT 8 - SAND to silty SAND 9 - SAND 10 - Gravely SAND to SAND 11 - Very stiff fine grained 12 - SAND to clayey SAND	Groundwater Level Dissipation Test
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PointID	<b>CPT08</b>
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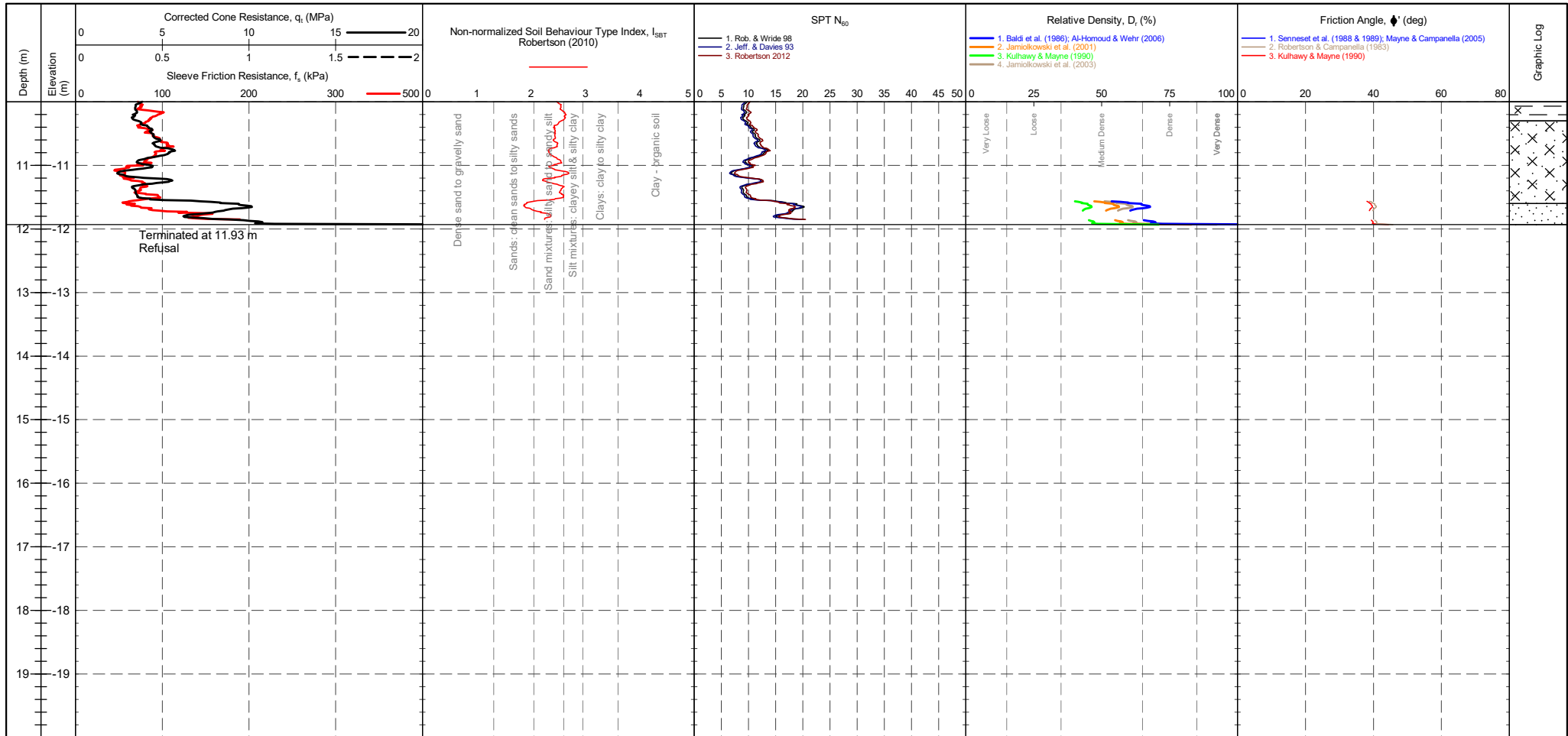


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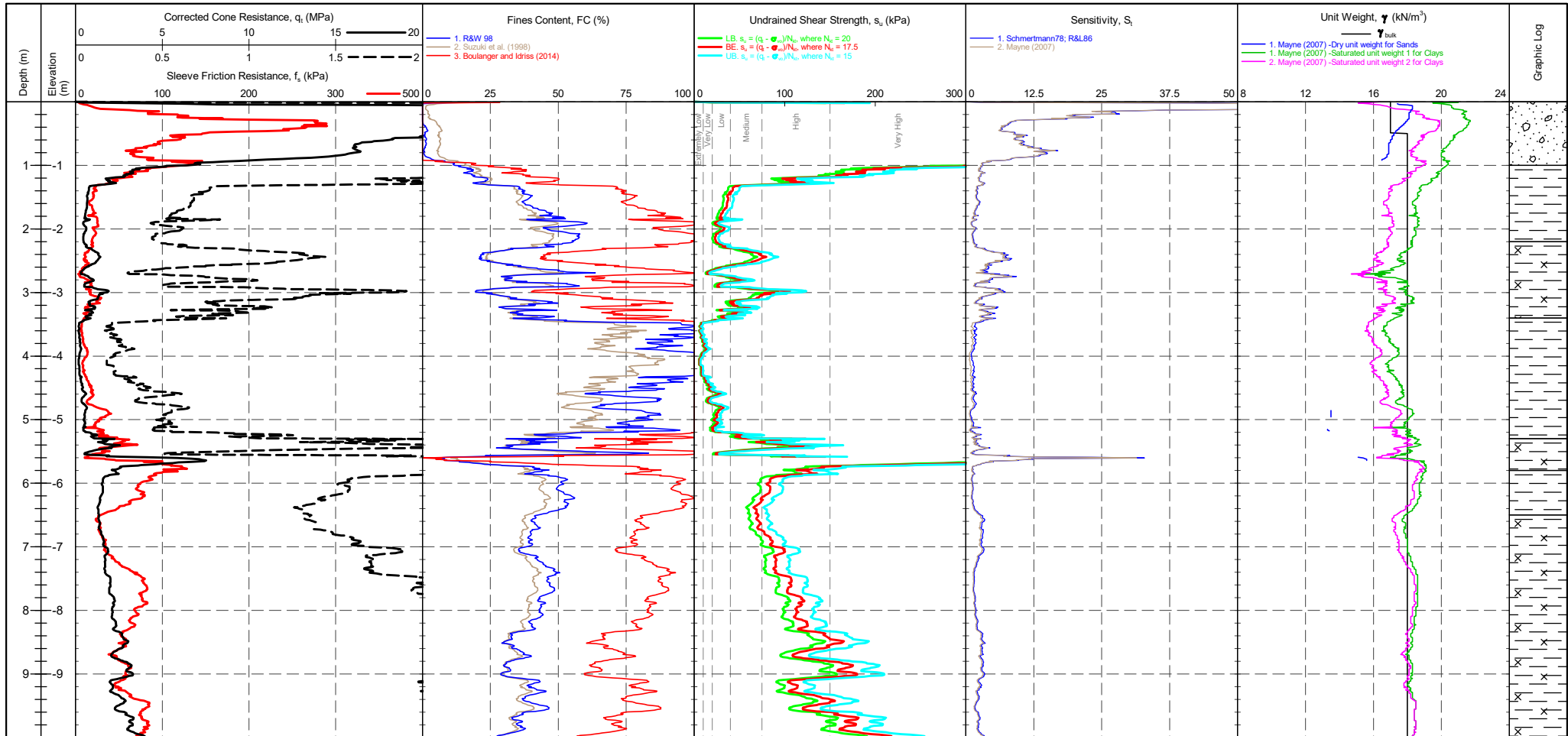
<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on tip resistance.	<b>SHEET</b> : 2 OF 2 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>260 mV</td> <td>264 mV</td> <td>0.046 MPa</td> </tr> <tr> <td>Sleeve</td> <td>253 mV</td> <td>257 mV</td> <td>0.003 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>287 mV</td> <td>332 mV</td> <td>0.012 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2464 mV</td> <td>2488 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	264 mV	0.046 MPa	Sleeve	253 mV	257 mV	0.003 kPa	Pore Pressure 2	287 mV	332 mV	0.012 kPa	X-Y Inclinator	2464 mV	2488 mV		<b>GRANULAR SOILS (Sands &amp; Gravels) Robertson et al. 1986 Zones 7-10 and Zone 12</b> <table border="1"> <thead> <tr> <th>Description</th> <th>SBT Index, I<sub>c</sub></th> <th>Description</th> <th>SPT N value, NSPT</th> <th>Description</th> <th>Relative Density D<sub>r</sub> (%)</th> </tr> </thead> <tbody> <tr> <td>Clays</td> <td>2.95-3.60</td> <td>Very Loose</td> <td>0 - 4</td> <td>Very Loose</td> <td>0 - 15</td> </tr> <tr> <td>Silt mixtures</td> <td>2.60-2.95</td> <td>Loose</td> <td>4 - 10</td> <td>Loose</td> <td>15 - 35</td> </tr> <tr> <td>Sand mixtures</td> <td>2.05-2.60</td> <td>Medium Dense</td> <td>10 - 30</td> <td>Medium Dense</td> <td>35 - 65</td> </tr> <tr> <td>Sands</td> <td>1.31-2.05</td> <td>Dense</td> <td>30 - 50</td> <td>Dense</td> <td>65 - 85</td> </tr> <tr> <td>Gravelly sand</td> <td>&lt;1.31</td> <td>Very Dense</td> <td>&gt;50</td> <td>Very Dense</td> <td>&gt;85</td> </tr> </tbody> </table>	Description	SBT Index, I <sub>c</sub>	Description	SPT N value, NSPT	Description	Relative Density D <sub>r</sub> (%)	Clays	2.95-3.60	Very Loose	0 - 4	Very Loose	0 - 15	Silt mixtures	2.60-2.95	Loose	4 - 10	Loose	15 - 35	Sand mixtures	2.05-2.60	Medium Dense	10 - 30	Medium Dense	35 - 65	Sands	1.31-2.05	Dense	30 - 50	Dense	65 - 85	Gravelly sand	<1.31	Very Dense	>50	Very Dense	>85	Groundwater Level Dissipation Test
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PointID	<b>CPT08</b>
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<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park LOCATION : Canford PROJECT No. : 1220328	EASTING : 0.000 m NORTHING : 0.000 m ELEVATION : 0.000 m OD CHECKED BY : LD TERMINATION REASON : Refusal	Remark: Test refused on tip resistance.	SHEET : 1 OF 2 STATUS : Final TEST DATE : 04/07/2022 PLOT DATE : 12/07/2022 METHOD : ISO 22476-1:2012
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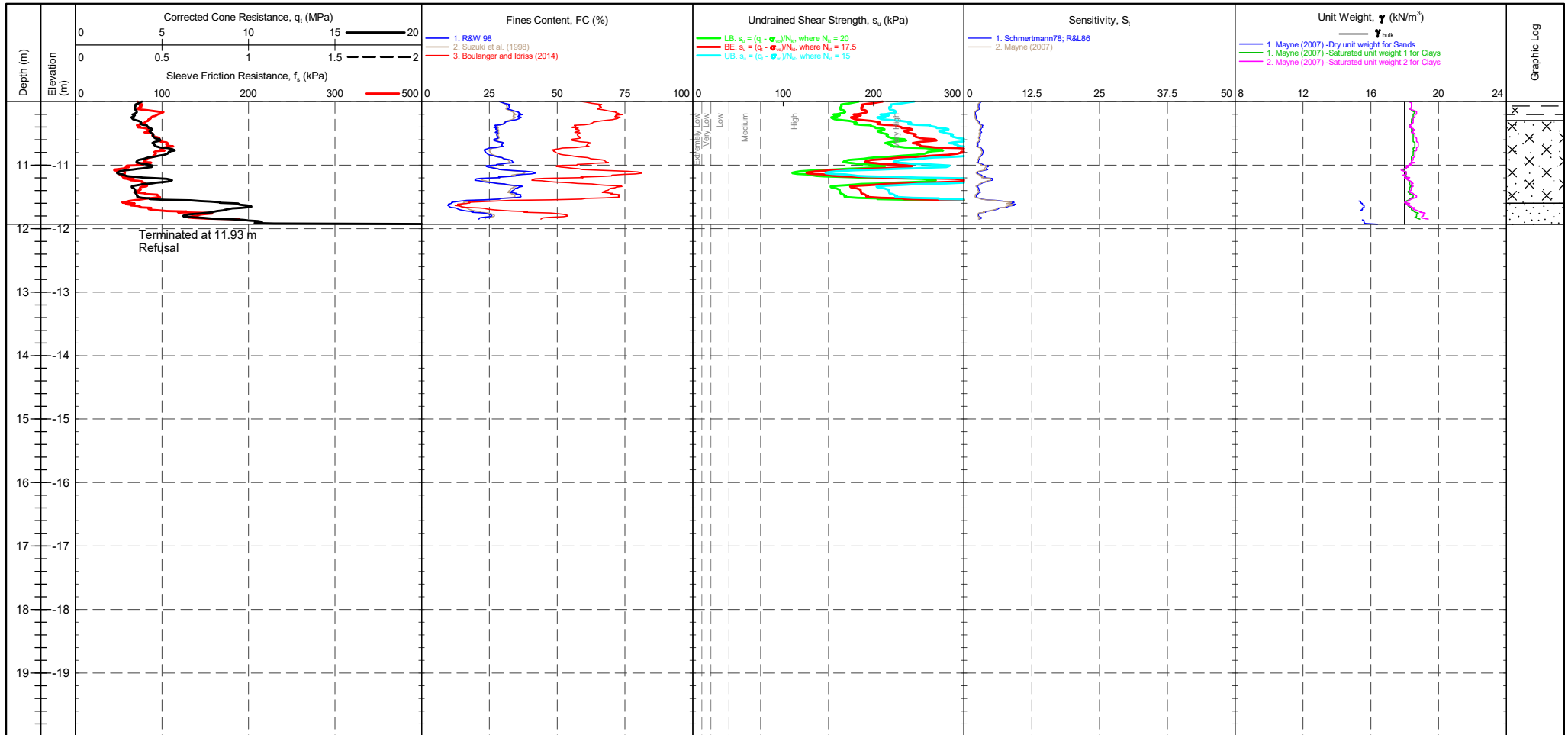


CONE ID : S15-CFIP.2112 CONE MODEL : Subtraction CONE AREA : 15cm <sup>2</sup> CONE AREA RATIO : 0.79 FILTER POSITION : u2 FILTER TYPE : HDPE	TEST TYPE : TE2 APPLICATION CLASS : 2 RIG : CPT 021 - Gary OPERATOR : DG FRICTION REDUCER : None WEATHER : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>260 mV</td> <td>264 mV</td> <td>0.046 MPa</td> </tr> <tr> <td>Sleeve</td> <td>253 mV</td> <td>257 mV</td> <td>0.003 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>287 mV</td> <td>332 mV</td> <td>0.012 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2464 mV</td> <td>2488 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	264 mV	0.046 MPa	Sleeve	253 mV	257 mV	0.003 kPa	Pore Pressure 2	287 mV	332 mV	0.012 kPa	X-Y Inclinator	2464 mV	2488 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr> <th>Term based on measurement</th> <th>su (kPa)</th> <th>Term based on measurement</th> <th>su (kPa)</th> </tr> <tr> <td>Extremely low strength</td> <td>&lt;10</td> <td>Medium strength</td> <td>40-75</td> </tr> <tr> <td>Very low strength</td> <td>10-20</td> <td>High strength</td> <td>75-150</td> </tr> <tr> <td>Low strength</td> <td>20-40</td> <td>Very high strength</td> <td>150-300</td> </tr> <tr> <td></td> <td></td> <td>Extremely high strength</td> <td>&gt;300</td> </tr> </table>	Term based on measurement	su (kPa)	Term based on measurement	su (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	Groundwater Level Dissipation Test
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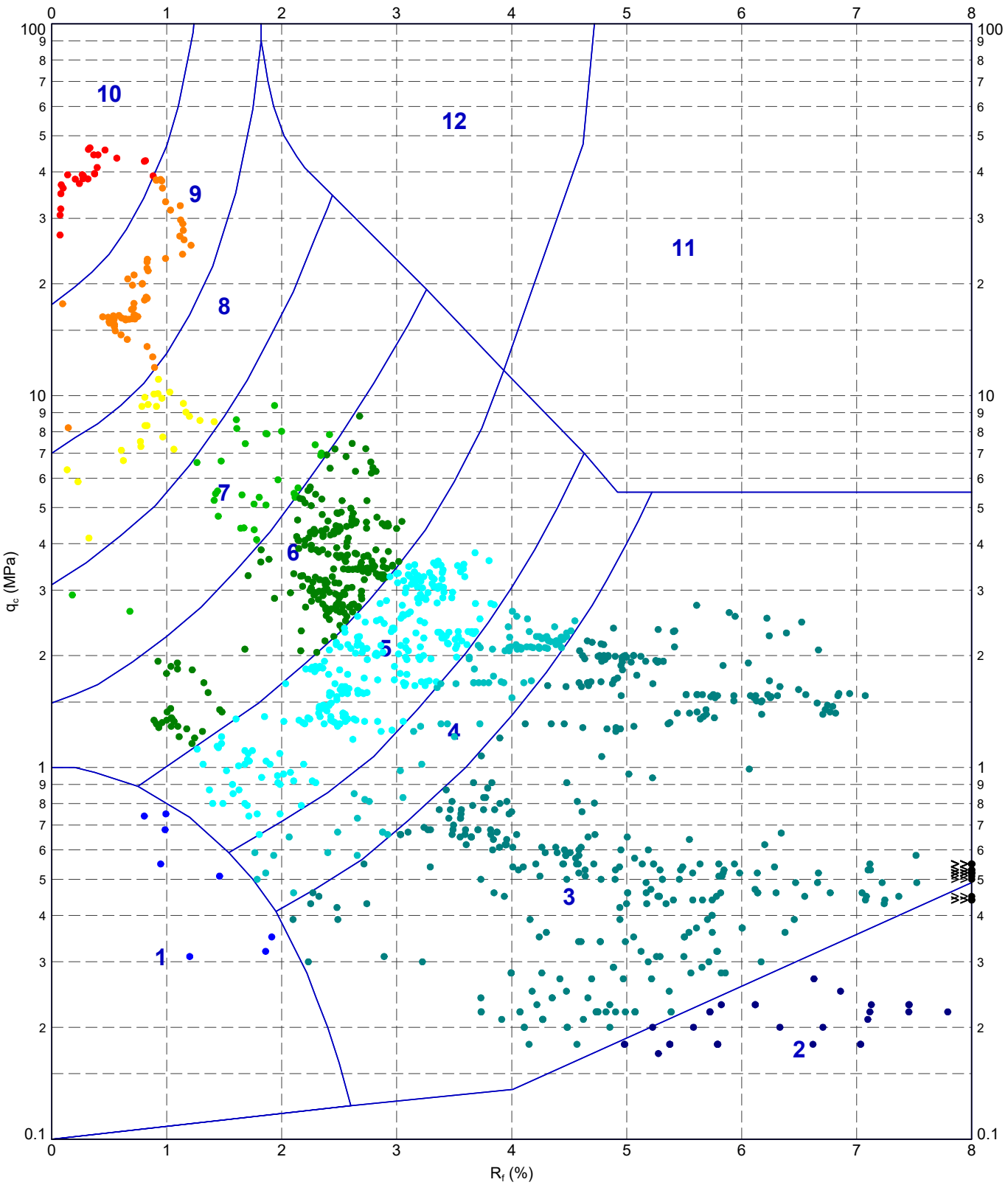
**CPT08**

<b>CLIENT</b> : Terrafirma (South) <b>PROJECT</b> : Canford Energy Park <b>LOCATION</b> : Canford <b>PROJECT No.</b> : 1220328	<b>EASTING</b> : 0.000 m <b>NORTHING</b> : 0.000 m <b>ELEVATION</b> : 0.000 m OD <b>CHECKED BY</b> : LD <b>TERMINATION REASON</b> : Refusal	<b>Remark:</b> Test refused on tip resistance.	<b>SHEET</b> : 2 OF 2 <b>STATUS</b> : Final <b>TEST DATE</b> : 04/07/2022 <b>PLOT DATE</b> : 12/07/2022 <b>METHOD</b> : ISO 22476-1:2012
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<b>CONE ID</b> : S15-CFIP.2112 <b>CONE MODEL</b> : Subtraction <b>CONE AREA</b> : 15cm <sup>2</sup> <b>CONE AREA RATIO</b> : 0.79 <b>FILTER POSITION</b> : u2 <b>FILTER TYPE</b> : HDPE	<b>TEST TYPE</b> : TE2 <b>APPLICATION CLASS</b> : 2 <b>RIG</b> : CPT 021 - Gary <b>OPERATOR</b> : DG <b>FRICITION REDUCER</b> : None <b>WEATHER</b> : Sunny & Mild	<b>CPTU ZERO VALUES</b> <table border="1"> <tr> <th>Transducer</th> <th>Pre</th> <th>Post</th> <th>Difference</th> </tr> <tr> <td>Tip</td> <td>260 mV</td> <td>264 mV</td> <td>0.046 MPa</td> </tr> <tr> <td>Sleeve</td> <td>253 mV</td> <td>257 mV</td> <td>0.003 kPa</td> </tr> <tr> <td>Pore Pressure 2</td> <td>287 mV</td> <td>332 mV</td> <td>0.012 kPa</td> </tr> <tr> <td>X-Y Inclinator</td> <td>2464 mV</td> <td>2488 mV</td> <td></td> </tr> </table>	Transducer	Pre	Post	Difference	Tip	260 mV	264 mV	0.046 MPa	Sleeve	253 mV	257 mV	0.003 kPa	Pore Pressure 2	287 mV	332 mV	0.012 kPa	X-Y Inclinator	2464 mV	2488 mV		<b>COHESIVE SOILS (Clays &amp; Silts) Robertson et al. 1986 Zones 1-6 and Zone 11</b> <table border="1"> <tr> <th>Term based on measurement</th> <th>su (kPa)</th> <th>Term based on measurement</th> <th>su (kPa)</th> </tr> <tr> <td>Extremely low strength</td> <td>&lt;10</td> <td>Medium strength</td> <td>40-75</td> </tr> <tr> <td>Very low strength</td> <td>10-20</td> <td>High strength</td> <td>75-150</td> </tr> <tr> <td>Low strength</td> <td>20-40</td> <td>Very high strength</td> <td>150-300</td> </tr> <tr> <td></td> <td></td> <td>Extremely high strength</td> <td>&gt;300</td> </tr> </table>	Term based on measurement	su (kPa)	Term based on measurement	su (kPa)	Extremely low strength	<10	Medium strength	40-75	Very low strength	10-20	High strength	75-150	Low strength	20-40	Very high strength	150-300			Extremely high strength	>300	▽ Groundwater Level  ▮ Dissipation Test
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220628-ADVANCED REPORT INSTITUTE 2.02.1 LIB - CHLOE.GLB Graph: CPT ROBERTSON ET AL. 8F QC VS. RF MAP 1220328 CANFORD ENERGY PARK TERRA FIRMA SOUTH.GPJ <<DrawingFile>> 12/07/2022 11:08 10.03.00.09 Date: Lab and In Situ Tool - DGD Lib: In Situ SI 2.02.0.2017-07-10 Proj: In Situ SI 2.02.0.2017-07-10



METHOD: Robertson et al. 1986 qc Rf

- 1 - Sensitive fine grained material
- 4 - Silty CLAY to CLAY
- 7 - Silty SAND to sandy SILT
- 10 - Gravelly SAND to SAND
- 2 - Organic material
- 5 - Clayey SILT to silty CLAY
- 8 - SAND to silty SAND
- 11 - Very stiff fine grained
- 3 - CLAY
- 6 - Sandy SILT to clayey SILT
- 9 - SAND
- 12 - SAND to clayey SAND

	TITLE	DRAWN	DATE
	Terra Firma (South) Canford Canford Energy Park Robertson et al. 1986 qc vs. Rf - CPT08	CHECKED	DATE
	SCALE	Not To Scale	
	PROJECT No 1220328	FIGURE No A4	





*IN SITU SITE INVESTIGATION*

Unit 23 Hastings Innovation  
Centre,  
Highfield Drive  
St. Leonards on Sea, East Sussex,  
TN38 9UH, U.K.

Company No.: 6339499  
VAT No.: 922 3561 41

**Annex B: Exploratory Hole Logs**

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 23/06/2022 to 28/06/2022		<b>Hole Type</b> RC	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403489.80 N: 96725.67 L: 42.85	<b>Water Strike Details</b>			<b>Logged By</b> WS/KT
<b>Contractor</b> ADS Drilling			<b>Plant Used</b> Comacchio GEO 405	Depth Strike	Time Elapsed	Rose To
<b>Approved By</b> TC						
<b>Scale</b> 1:50						

Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth							
					(1.50)		NO RECOVERY		
50 (20,5/50 for 330mm)	SPTLS SPT(S)	1.50 1.50			1.50	41.35	MADE GROUND: Very Dense multicoloured slightly silty sandy angular to subangular fine to coarse GRAVEL of brick and flint. Sand is fine to coarse. Occasional porcelain fragments.		
					(0.45)				
					1.95	40.90	NO RECOVERY		
					(1.05)				
N=10 (1,1/1,2,1,6)	SPTLS SPT(S)	3.00 3.00			3.00	39.85	MADE GROUND: Firm multicoloured slightly silty slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse flint. Occasional brick fragments.		
					(0.45)				
					3.45	39.40	NO RECOVERY		
					(1.05)				
50 (25 for 10mm/50 for 15mm)	SPT(S)	4.50			(2.55)				
N=14 (2,2/2,3,4,5)	SPTLS SPT(S)	6.00 6.00			6.00	36.85	Stiff bluish grey slightly sandy silty CLAY. Sand is fine.		
					(0.45)				
	C	6.70 - 7.00			6.45	36.40	NO RECOVERY		
					(1.05)				
N=12 (2,2/3,3,3,3)	SPTLS SPT(S)	7.50 7.50			7.50	35.35	Stiff bluish grey slightly sandy silty CLAY. Sand is fine.		
					(0.45)				
	C	8.20 - 8.50			7.95	34.90	NO RECOVERY		
					(1.05)				
N=30 (2,4/7,6,8,9)	SPTLS SPT(S)	9.00 9.00			9.00	33.85	Stiff bluish grey silty CLAY.		
	C	9.70 - 10.00							

<b>Remarks</b> Borehole collapsing during standpipe installation.	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

Project Name				Project No.		Date		Hole Type			
Canford Energy Park				EX-21-001		23/06/2022 to 28/06/2022		RC			
Client				Co-ords		Water Strike Details			Logged By		
Canford Renewable Energy				E: 403489.80		Depth Strike	Time Elapsed	Rose To	WS/KT		
Contractor			Plant Used			N: 96725.67		Approved By			
ADS Drilling			Comacchio GEO 405			L: 42.85		TC			
								Scale 1:50			
Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description		Legend	Well	
Results	Type	Depth									
N=48 (2,3/5,24,15,4)	SPTLS	10.50									
	SPT(S)	10.50									
	C	11.20 - 11.50			11	(6.00)					
N=29 (3,5/5,6,8,10)	SPTLS	12.00			12	(6.00)					
	SPT(S)	12.00									
	C	12.70 - 13.00			13						
N=31 (5,5/6,8,8,9)	SPTLS	13.50			14						
	SPT(S)	13.50									
	C	14.20 - 14.50			15						
N=36 (8,8/7,9,10,10)	SPTLS	15.00			15		27.85				
	SPT(S)	15.00									
	C	16.00 - 16.30			16						
N=46 (6,7/7,10,14,15)	SPT(S)	16.30			17						
	C	17.50 - 17.80			18						
N=54 (8,10/11,12,15,16)	SPT(S)	17.90			18						
	SPTLS	18.00									
	C	19.00 - 19.40			19		23.95				
					20		22.85				
<p>10.70 to 10.80m - Becoming gravelly</p> <p>10.85 to 10.95m - Whiteish grey claystone</p> <p>13.50 to 15.00m - Becoming sandy. Sand is fine.</p> <p>16.50 to 18.90m - Becoming very stiff</p>											

Remarks	Borehole Diameter	
	Base Depth	Diameter
Borehole collapsing during standpipe installation.		



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 23/06/2022 to 28/06/2022		<b>Hole Type</b> RC	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403489.80 N: 96725.67 L: 42.85	<b>Water Strike Details</b>			<b>Logged By</b> WS/KT
<b>Contractor</b> ADS Drilling			<b>Plant Used</b> Comacchio GEO 405	Depth Strike	Time Elapsed	Rose To
<b>Approved By</b> TC						
<b>Scale</b> 1:50						

Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth							
50 (11,13/50 for 195mm)	SPT(S)	20.00			(0.45)		Stiff light grey mottled brownish orange slightly silty CLAY. Occasional red mottling/specks.		
	C	20.50 - 20.80			20.45	22.40	Stiff greyish brown slightly sandy CLAY.		
					21				
					(1.45)				
50 (10,14/50 for 180mm)	SPTLS SPT(S)	21.50 21.50			21.90	20.95	Firm greyish brown sandy CLAY.		
					22				
					(2.10)				
N=50 (7,8/50 for 230mm)	SPTLS SPT(S) C	23.00 23.00 23.20 - 23.50			24.00	18.85	Dense grey slightly clayey silty fine to medium SAND.		
					24				
					(2.00)				
50 (7,10/50 for 220mm)	SPTLS SPT(S) C	24.50 24.50 24.70 - 25.00			26.00	16.85	Dense grey slightly clayey SAND.		
					26				
					(1.00)				
50 (25 for 90mm/50 for 115mm)	SPTLS SPT(S)	26.00 26.00			27.00	15.85	End of Borehole at 27.00m		
					27				
					28				
					29				

<b>Remarks</b> Borehole collapsing during standpipe installation.	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 20/06/2022 to 21/06/2022		<b>Hole Type</b> RC	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403388.50 N: 96669.99 L: 44.14	<b>Water Strike Details</b>			<b>Logged By</b> WS/KT
<b>Contractor</b> ADS Drilling			<b>Plant Used</b> Comacchio GEO 405	Depth Strike	Time Elapsed	Rose To
<b>Approved By</b> TC						
<b>Scale</b> 1:50						

Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth							
					(1.50)		NO RECOVERY		
N=8 (3,2/2,2,2,2)	SPTLS SPT(S)	1.50 1.50			1.50 (0.10) 1.60 (0.35) 1.95	42.64 42.54 42.19	MADE GROUND: Soft orangish brown CLAY. MADE GROUND: Soft black slightly sandy gravelly CLAY. Sand is predominantly coarse. Gravel is subangular predominantly fine of mixed lithologies.		
N=12 (11,3/2,2,3,5)	SPT (C)	3.00			(2.55)		NO RECOVERY		
N=4 (1,1/1,1,1,1)	SPTLS SPT(S)	4.50 4.50			4.50 (0.45) 4.95	39.64 39.19	MADE GROUND: Soft orangish brown slightly gravelly clayey SAND. Gravel is subangular medium flint.		
N=29 (2,4/4,5,9,11)	SPTLS SPT(S)	6.00 6.00			(1.05) 6.00 (0.45) 6.45	38.14 37.69	Medium dense orange mottled light grey silty fine to medium SAND.		
50 (5,7/50 for 160mm)	SPTLS SPT(S)	7.50 7.50			(1.05) 7.50 (0.45) 7.95	36.64 36.19	Dense orangish brown slightly silty SAND.		
N=33 (6,6/7,7,9,10)	SPTLS SPT(S)	9.00 9.00			(1.05) 9.00 (0.45) 9.45	35.14 34.69	Firm bluish grey silty CLAY with thin lenses of light grey fine SAND.		
					(1.05)		NO RECOVERY		

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 20/06/2022 to 21/06/2022		<b>Hole Type</b> RC	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403388.50 N: 96669.99 L: 44.14	<b>Water Strike Details</b>			<b>Logged By</b> WS/KT
<b>Contractor</b> ADS Drilling			<b>Plant Used</b> Comacchio GEO 405	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth							
N=32 (5,6/6,8,8,10)	C SPTLS SPT(S)	10.50 10.50 - 10.70 10.50			10.50 (0.50)	33.64	NO RECOVERY		
					11.00 (1.00)	33.14	Stiff brownish grey slightly sandy silty CLAY. Sand is fine to medium.		
					12.00 (1.30)	32.14	Firm dark grey slightly sandy silty CLAY. Sand is fine to medium.		
N=37 (4,8/8,7,11,11)	C SPT(S)	12.00 - 12.30 12.00			12.00 (1.30)	32.14	Soft dark grey slightly silty slightly sandy CLAY.		
					13.00 (1.40)	30.84	Firm dark grey slightly sandy silty CLAY. Sand is fine to medium.		
N=48 (8,8/10,12,13,13)	C SPT(S)	13.00 - 13.80 13.50			13.30 (1.80)	29.44	Soft brownish grey slightly sandy silty CLAY. Sand is fine to medium.		
					14.70 (1.50)	27.64	NO RECOVERY		
N=49 (4,9/11,11,14,13)	C SPT(S)	15.00 - 15.20 15.00			16.50 (2.80)	26.14	Soft dark grey slightly sandy silty CLAY. Sand is fine to medium.		
					18.00				
N=49 (9,10/12,12,12,13)	SPT(S)	16.50			18.00				
					19.00 - 19.50				
N=43 (7,10/12,11,11,9)	C SPT(S)	19.50 - 19.70 19.50			19.50				

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.





<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 30/06/2022 to 01/07/2022		<b>Hole Type</b> RC	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403441.50 N: 96751.56 L: 43.13	<b>Water Strike Details</b>			<b>Logged By</b> WS/KT
<b>Contractor</b> ADS Drilling			<b>Plant Used</b> Comacchio GEO 405	Depth Strike	Time Elapsed	Rose To
			5.40	20	5.40	<b>Approved By</b> TC
			16.00	20	8.10	Scale 1:50

Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth							
					1		MADE GROUND: Rotary open holed. Flush returns comprised generic fill comprising clay and gravel with brick, concrete and flint.		
					2				
					3	(5.60)			
					4				
					5				
N=22 (3,5/5,5,6,6)	SPTLS SPT(S)	5.60 5.60			5.60	37.53	Stiff bluish grey slightly sandy silty CLAY. Sand is fine.		
					6				
					7	(1.60)			
N=22 (5,5/5,4,6,7)	SPTLS SPT(S)	7.00 7.00			7.20	35.93	NO RECOVERY		
					8	(0.80)			
					8	8.00	35.13	Stiff bluish grey slightly sandy silty CLAY. Sand is fine.	
					9	(0.60)			
N=28 (7,7/7,7,8,6)	SPTLS SPT(S)	8.50 8.50			8.60	34.53	NO RECOVERY		
					9	(0.50)			
					9	9.10	34.03	Stiff bluish grey sandy CLAY.	
N=34 (6,7/7,9,9,9)	SPTLS	10.00							

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 30/06/2022 to 01/07/2022		<b>Hole Type</b> RC	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403441.50 N: 96751.56 L: 43.13	<b>Water Strike Details</b>			<b>Logged By</b> WS/KT
<b>Contractor</b> ADS Drilling			<b>Plant Used</b> Comacchio GEO 405	Depth Strike	Time Elapsed	Rose To
			5.40	20	5.40	<b>Approved By</b> TC
			16.00	20	8.10	Scale 1:50

Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth							
	SPT(S)	10.00					Stiff bluish grey sandy CLAY.		
	C	10.50 - 10.80							
N=37 (6,7/8,8,10,11)	SPTLS SPT(S) C	11.50 11.50 11.60 - 12.00							
					(6.70)				
N=46 (9,10/10,11,11,14)	SPTLS SPT(S) C	13.00 13.00 13.10 - 13.50							
N=40 (1,4/8,10,11,11)	SPT(S) C	14.50 14.80 - 15.00							
N=52 (7,9/12,11,14,15)	SPTLS SPT(S) C	16.00 16.00 16.30 - 16.50				15.80 27.33	Firm bluish grey silty sandy CLAY. Sand is fine.		
50 (25 for 75mm/50 for 225mm)	SPT (C) C	17.50 17.80 - 18.00							
50 (25 for 80mm/50 for 165mm)	SPTLS SPT(S) C	19.00 19.00 19.30				18.50 24.63	Stiff brownish orange slightly sandy silty CLAY.		
	C	20.00 - 20.30							

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 30/06/2022 to 01/07/2022		<b>Hole Type</b> RC	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403441.50 N: 96751.56 L: 43.13	<b>Water Strike Details</b>			<b>Logged By</b> WS/KT
<b>Contractor</b> ADS Drilling			<b>Plant Used</b> Comacchio GEO 405	Depth Strike	Time Elapsed	Rose To
			5.40	20	5.40	<b>Approved By</b> TC
			16.00	20	8.10	Scale 1:50

Samples and Results			TCR SCR RQD	FI	Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth							
50 (10,14/50 for 105mm)	SPT(S)	20.50			20.20	22.93	Stiff brownish orange slightly sandy silty CLAY. Stiff greyish brown slightly sandy silty CLAY.		
	C	20.70 - 21.00							
	C	21.20 - 21.50			21				
					(3.00)				
50 (25 for 75mm/50 for 80mm)	SPT(S)	22.00			22		Firm greyish brown sandy CLAY.		
	C	22.80 - 23.00							
					23				
					23.20	19.93			
					(1.00)				
					24				
50 (7, 10/50 for 150mm)	SPT (C)	25.00			24.20	18.93	Dense grey slightly clayey silty fine to medium SAND.		
	C	24.50 - 24.80							
					25				
					(2.50)				
					26				
					26.70	16.43	Dense grey slightly clayey SAND.		
					(0.90)				
					27				
50 (25 for 40mm/50 for 85mm)	SPT (C)	28.00			27.60	15.53	Soft grey slightly sandy CLAY.		
	C	25.70 - 26.00							
					28				
					(2.40)				
					29				
50 (25 for 75mm/50 for 80mm)	SPT (C)	29.50							
					30.00	13.13			

End of Borehole at 30.00m

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 14/07/2022 to 18/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403445.70 N: 96723.07 L: 43.31	<b>Water Strike Details</b>			<b>Logged By</b> WS
<b>Contractor</b> BH Drilling Solutions			<b>Plant Used</b> Dando D2000	Depth Strike 8.00	Time Elapsed 20	Rose To 4.80
<b>Approved By</b> TC						
<b>Scale</b> 1:50						

Samples and Results					Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth	Casing	Water					
					(0.20) 0.20	43.11	Roadstone		
50 (15,10/50 for 225mm)	D SPT(C)	1.20 - 1.65 1.20	1.20	Dry			MADE GROUND: Loose multicoloured very sandy subangular to subrounded fine to coarse GRAVEL of brick and concrete. Sand is fine to coarse. Occasional rebar, ash, tiles, granite and concrete cobbles. (MADE GROUND)		
N=17 (3,3/4,4,5,4)	D SPT(C)	2.20 - 2.65 2.20	2.00	Dry					
N=15 (3,3/3,3,4,5)	D SPT(C)	3.20 - 3.65 3.20	3.00	Dry					
N=17 (3,4/4,4,4,5)	D SPT(C)	4.20 - 4.65 4.20	4.00	0.50	(7.50)				
50 (6,19/50 for 250mm)	D SPT(C)	5.20 - 5.65 5.20	5.00	0.50					
50 (5,5/50 for 225mm)	D SPT(C)	6.50 - 6.95 6.50	6.00	0.50					
N=22 (3,3/4,4,6,8)	SPTLS SPT(S)	8.00 - 8.45 8.00	7.60	1.00	7.70	35.61		Stiff Bluish grey slightly silty slightly sandy CLAY. Sand is fine.	
N=24 (3,4/4,6,6,8)	SPT(S)	9.50	7.60	3.00					

<b>Chiselling Details</b>			<b>Remarks</b>	<b>Borehole Diameter</b>	
Depth Top	To (m)	Duration		Base Depth	Diameter
				10.00 20.00	200 150
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.					



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 14/07/2022 to 18/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403445.70 N: 96723.07 L: 43.31	<b>Water Strike Details</b>			<b>Logged By</b> WS
<b>Contractor</b> BH Drilling Solutions			<b>Plant Used</b> Dando D2000	Depth Strike 8.00	Time Elapsed 20	Rose To 4.80
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results				Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth	Casing Water					
						Stiff Bluish grey slightly silty slightly sandy CLAY. Sand is fine.		
blows=100 recovery=95%	UT	11.00 - 11.45		11				
	D	11.45 - 11.55						
	D	12.00 - 12.10		12				
N=25 (3,3/4,6,6,9)	SPTLS SPT(S)	12.50 - 12.95 12.50	7.60 1.50	13				
	D	13.50 - 13.60		(11.80)				
N=29 (3,5/5,6,8,10)	SPTLS SPT(S)	14.00 - 14.45 14.00	7.60 2.80	14				
	D	15.00 - 15.10		15				
N=36 (3,5/6,8,10,12) blows=50 recovery=0%	SPTLS UT SPT(C)	15.50 - 15.95 15.50 - 15.95 15.50	15.10 3.20	16				
	D	16.50 - 16.60						
N=29 (3,3/6,7,8,8)	SPTLS SPT(C)	17.00 - 17.45 17.00	16.60 4.50	17				
	D	18.00 - 18.10		18				
N=32 (3,5/7,7,9,9)	SPTLS SPT(C)	18.50 - 18.95 18.50	18.10 4.50	19				
	D	19.50 - 19.60		19.50	23.81	Stiff bluish grey mottled brown slightly silty CLAY.		
				(0.50)				
N=48 (4,6/8,10,14,16)	SPTLS	20.00 - 20.45	18.10 6.80	20.00	23.31			

Chiselling Details			Remarks	Borehole Diameter	
Depth Top	To (m)	Duration		Base Depth	Diameter
				10.00	200
				20.00	150
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.					





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Borehole No.

**CP02**

Sheet 3 of 3

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 14/07/2022 to 18/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403445.70 N: 96723.07 L: 43.31	<b>Water Strike Details</b>			<b>Logged By</b> WS
<b>Contractor</b> BH Drilling Solutions			<b>Plant Used</b> Dando D2000	Depth Strike 8.00	Time Elapsed 20	Rose To 4.80
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results				Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth	Casing Water					
	SPT(C)	20.00				End of Borehole at 20.00m		
				21				
				22				
				23				
				24				
				25				
				26				
				27				
				28				
				29				

<b>Chiselling Details</b>			<b>Remarks</b>	<b>Borehole Diameter</b>	
Depth Top	To (m)	Duration		Base Depth	Diameter
				10.00	200
			20.00	150	
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.					

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 21/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403424.40 N: 96712.05 L: 43.50	<b>Water Strike Details</b>			<b>Logged By</b> WS
<b>Contractor</b> BH Drilling Services			<b>Plant Used</b> Dando D2000	Depth Strike 10.00	Time Elapsed 20	Rose To 7.85
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results					Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth	Casing	Water					
					(0.10) 0.10	43.40	Roadstone		
N=55 (10,15/15,12,20,8)	D SPT(C)	1.20 - 1.65 1.20	0.00	DRY	1.20	42.30	MADE GROUND: Loose multicoloured very sandy subangular to subrounded fine to coarse GRAVEL of brick and concrete. Sand is fine to coarse. Occasional rebar, ash, tiles, granite and concrete cobbles.		
N=50 (6,15/16,12,15,7)	D SPT(C)	2.20 - 2.65 2.20	1.60	DRY	2.20		MADE GROUND: Loose multicoloured very sandy subangular to subrounded fine to coarse GRAVEL of brick and concrete. Sand is fine to coarse. Occasional glass, metal and timber.		
N=38 (12,13/14,8,8,8)	D SPT(C)	3.20 - 3.65 3.20	3.00	1	3.20				
N=20 (8,8/5,5,5,5)	D SPT(C)	4.20 - 4.65 4.20	4.00	1.2	(5.80) 4.20				
50 (7,18/50 for 75mm)	D SPT(C)	5.20 - 5.65 5.20	5.00	2	5.20				
N=27 (5,10/7,10,7,3)	D SPT(C)	6.50 - 6.95 6.50	6.00	2	6.50				
N=16 (2,2/3,3,5,5)	SPT(S)	8.00	7.60	2	8.00	7.00	36.50	Firm grey slightly silty CLAY.	
N=45 (3,3/5,5,15,20)	D SPT(S)	9.00 - 9.10 9.50	7.60	DRY	(3.50) 9.50				

<b>Chiselling Details</b>			<b>Remarks</b>	<b>Borehole Diameter</b>	
Depth Top	To (m)	Duration		Base Depth	Diameter
				16.05 20.00	200 150
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.					



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 21/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403424.40 N: 96712.05 L: 43.50	<b>Water Strike Details</b>			<b>Logged By</b> WS
<b>Contractor</b> BH Drilling Services			<b>Plant Used</b> Dando D2000	Depth Strike 10.00	Time Elapsed 20	Rose To 7.85
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results				Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth	Casing Water					
blows=100 recovery=95%	D	10.50 - 10.60		10.50	33.00	Firm grey slightly silty CLAY.		
	UT	11.00 - 11.45		11		Stiff grey slightly silty sandy CLAY. Sand is fine to medium grained.		
	D	11.45 - 11.55						
N=27 (3,4/5,7,7,8)	SPT(S)	12.50	7.60 0.5					
	D	12.00 - 12.10		12				
N=37 (4,6/8,9,10,10)	SPT(S)	14.00	7.60 DRY			Dense grey fine to coarse silty SAND. Sand is fine to medium grained.		
	D	13.50 - 13.60		13	(5.40)			
	UT	15.00 - 15.10		14				
blows=100 recovery=100%	UT	15.50 - 15.95		15		Stiff grey slightly silty sandy CLAY. Sand is fine. Occasional bands of clayey SAND.		
	D	15.95 - 16.05		16	15.90		27.60	(0.60)
N=41 (5,5/7,10,12,12)	SPT(S)	17.00	16.50 4.5			Very stiff grey mottled reddish brown slightly silty CLAY.		
	D	16.50 - 16.60		17	16.50		27.00	
N=38 (4,4/7,9,10,12)	SPT(S)	18.50	18.20 4					
	D	18.00 - 18.10		18				
N=50 (5,8/10,15,18,7)	SPT(S)	19.50						
	D	19.50 - 19.60		19				
	SPT(S)	20.00	19.60 2.5					
	D			19.95	23.55			

Chiselling Details			Remarks	Borehole Diameter	
Depth Top	To (m)	Duration		Base Depth	Diameter
				16.05	200
				20.00	150
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.					



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Borehole No.

**CP04**

Sheet 3 of 3

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 21/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403424.40 N: 96712.05 L: 43.50	<b>Water Strike Details</b>			<b>Logged By</b> WS
<b>Contractor</b> BH Drilling Services			<b>Plant Used</b> Dando D2000	Depth Strike 10.00	Time Elapsed 20	Rose To 7.85
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results				Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth	Casing Water					
				(0.05) 20.00	23.50	End of Borehole at 20.00m		
				21				
				22				
				23				
				24				
				25				
				26				
				27				
				28				
				29				

<b>Chiselling Details</b>			<b>Remarks</b>	<b>Borehole Diameter</b>	
Depth Top	To (m)	Duration		Base Depth	Diameter
				16.05 20.00	200 150
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.					

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 11/07/2022 to 13/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403361.60 N: 96658.66 L: 44.10	<b>Water Strike Details</b>			<b>Logged By</b> KT
<b>Contractor</b> BH Drilling Services			<b>Plant Used</b> Dando D2000	Depth Strike	Time Elapsed	Rose To
			9.80	20	9.45	<b>Approved By</b> TC
			17.20	20	15.20	Scale 1:50

Samples and Results				Depth, (Thickness)	Level	Stratum Description	Legend	Well		
Results	Type	Depth	Casing Water							
N=33 (4,4/6,9,9,9)	D SPT(C)	1.20 - 1.65 1.20	1.20	DRY	(0.30)	43.80	Roadstone			
					(0.30)	43.80	Membrane			
					(0.01)	43.79	MADE GROUND: Loose multicoloured very sandy subangular to subrounded fine to coarse GRAVEL of brick and concrete. Sand is fine to coarse. Occasional glass, metal and timber.			
					(0.31)	43.70	MADE GROUND: Loose multicoloured very sandy subangular to subrounded fine to coarse GRAVEL of brick and concrete. Sand is fine to coarse. Occasional glass, metal and timber.			
					(0.09)		MADE GROUND: Loose multicoloured very sandy subangular to subrounded fine to coarse GRAVEL with occasional bands of clay, brick and concrete. Sand is fine to coarse. Occasional glass, metal and timber.			
					(0.40)		MADE GROUND: Loose multicoloured very sandy subangular to subrounded fine to coarse GRAVEL of brick and concrete. Sand is fine to coarse.			
					(0.80)					
						1.20	42.90			
						(0.30)				
						1.50	42.60			
50 (10,10/50 for 225mm)	D SPT(C)	2.20 - 2.65 2.20	2.00	DRY						
N=10 (1,2/2,2,3,3)	D SPT(C)	3.20 - 3.65 3.20	3.00	DRY	(3.15)					
N=12 (2,2/2,3,3,4)	D SPT(C)	4.20 - 4.65 4.20	4.00	DRY						
N=8 (2,2/2,2,2,2)	SPTLS SPT(S)	5.20 - 5.65 5.20	5.00	0.50	4.65	39.45	MADE GROUND: CONCRETE			
					(0.35)					
					5.00	39.10	MADE GROUND: Loose grey fine to coarse silty gravelly SAND. Sand is fine to medium grained. Gravel is subangular to subrounded fine to coarse.			
N=14 (2,2/3,3,4,4)	SPTLS SPT(S)	6.50 - 6.95 6.50	6.00	DRY	(1.00)					
					6.00	38.10	Firm bluish grey slightly CLAY.			
blows=80 recovery=100%	UT	7.50 - 7.60								
N=21 (3,3/4,5,6,6)	SPTLS SPT(S)	9.50 - 9.95 9.50	6.00	DRY	(5.40)					

Chiselling Details			Remarks	Borehole Diameter	
Depth Top	To (m)	Duration		Base Depth	Diameter
				12.00	200
				17.40	150

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.


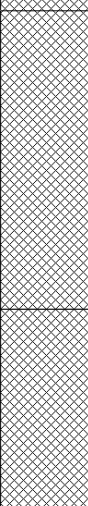


<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 11/07/2022 to 13/07/2022		<b>Hole Type</b> CP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403361.60 N: 96658.66 L: 44.10	<b>Water Strike Details</b>			<b>Logged By</b> KT
<b>Contractor</b> BH Drilling Services			<b>Plant Used</b> Dando D2000	Depth Strike	Time Elapsed	Rose To
			9.80	20	9.45	<b>Approved By</b> TC
			17.20	20	15.20	Scale 1:50

Samples and Results				Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth	Casing Water					
blows=100 recovery=95%	D	10.50 - 10.60				Firm bluish grey slightly CLAY.		
	UT	11.00 - 11.45		11				
	D	11.45 - 11.55		11.40	32.70	Stiff bluish grey slightly silty CLAY with occasional black mottling.		
N=23 (4,4/5,5,6,7)	SPTLS SPT(S)	12.50 - 12.95 12.50	6.00 2.40	(1.80)				
	D	13.50 - 13.60		13.20	30.90	Stiff red mottled grey slightly silty CLAY.		
	UT	14.00 - 14.45		(1.10)				
blows=100 recovery=98%	D	14.45 - 14.55		14.30	29.80	Stiff light grey CLAY.		
	SPTLS SPT(S)	15.50 - 15.95 15.50	12.10 DRY	(2.80)				
	D	16.50 - 16.60						
blows=100 recovery=50%	UT	17.00 - 17.45		17				
	SPTLS SPT(S)	17.40 - 17.85 17.40	12.10 14.40	17.10 (0.30) 17.40	27.00 26.70	Medium dense grey slightly clayey SAND with occasional flakes of sandstone. Sand is fine to medium.		
						End of Borehole at 17.40m		

<b>Chiselling Details</b>			<b>Remarks</b>	<b>Borehole Diameter</b>	
Depth Top	To (m)	Duration		Base Depth	Diameter
				12.00	200
			17.40	150	
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.					

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 19/07/2022		<b>Hole Type</b> TP
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403523.10 N: 96697.81 L: 44.02	<b>Water Strike Details</b>		<b>Logged By</b> WS
<b>Contractor</b> Honeybun Plant Hire			<b>Plant Used</b> Komatsu PC130		<b>Approved By</b> TC
Scale 1:50					

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend
Results	Type	Depth				
	ES	0.20	(0.50)	43.52	MADE GROUND: Medium dense light grey sandy angular to subangular fine to coarse GRAVEL of crushed concrete. Sand is fine to coarse. Occasional brick fragments.	
	B	1.00	(1.50)		MADE GROUND: Medium dense orangish brown sandy angular to subangular fine to coarse GRAVEL of crushed concrete with frequent cables, rebar and brick fragments.	
	D	2.50	(1.00)	42.02	MADE GROUND: Firm blackish grey mottled orange slightly silty slightly sandy CLAY. Sand is fine.	
			(3.00)	41.02	End of Trial Pit at 3.00m	

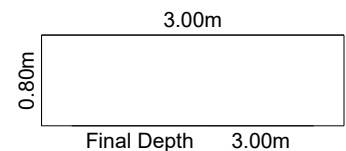
Trial Pit Photographs



**Remarks**

**Pit Stability:** Unstable. Side wall collapse.

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 19/07/2022	<b>Hole Type</b> TP	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403460.70 N: 96666.04 L: 43.51	<b>Water Strike Details</b>		<b>Logged By</b> KT
<b>Contractor</b> Honeybun Plant Hire			<b>Plant Used</b> Komatsu PC130	Depth Strike	
<b>Approved By</b> TC					
Scale 1:50					

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend
Results	Type	Depth				
	ES	0.30	(0.30)	43.21	MADE GROUND: Medium dense dark grey sandy angular to subangular fine to coarse GRAVEL of crushed concrete. Sand is fine to coarse. Occasional brick and metal fragments.	
	D	0.50	(0.70)		MADE GROUND: Medium dense yellowish brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint.	
	B	0.80				
	B	1.50	(1.50)	42.51	MADE GROUND: Medium dense orangish brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint.	
	B	2.80	(0.50)	41.01	MADE GROUND: Firm dark greyish silty sandy CLAY Sand is fine to coarse.	
				40.51	End of Trial Pit at 3.00m	

Remarks

<b>Pit Stability:</b> Stable	
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.	

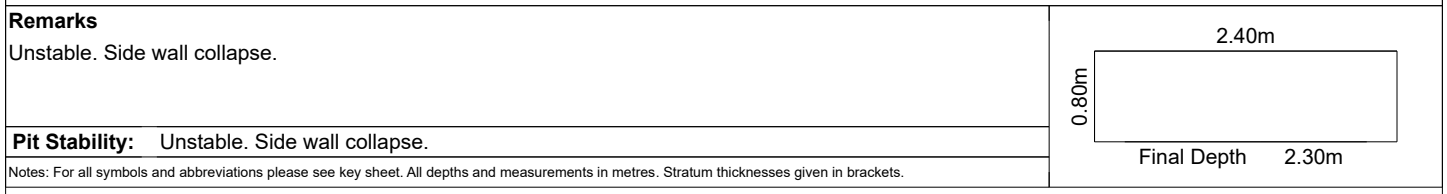


<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 19/07/2022		<b>Hole Type</b> TP
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403364.80 N: 96622.75 L: 43.40	<b>Water Strike Details</b>		<b>Logged By</b> KT
<b>Contractor</b> Honeybun Plant Hire			<b>Plant Used</b> Komatsu PC130	Depth Strike	
					<b>Approved By</b> TC
					Scale 1:50

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend
Results	Type	Depth				
			(0.40)		MADE GROUND: Medium dense dark grey sandy angular to subangular fine to coarse GRAVEL of crushed concrete. Sand is fine to coarse. Occasional brick and metal fragments.	
			0.40 (0.20) 0.60	43.00 42.80	MADE GROUND: Medium dense yellowish brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint.	
					MADE GROUND: Medium dense orangish brown gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint.	
			1 (1.20)			
			1.80 (0.50)	41.60	MADE GROUND: Firm dark greyish silty sandy CLAY Sand is fine to coarse.	
			2 2.30	41.10	End of Trial Pit at 2.30m	
			3			
			4			

Remarks

Unstable. Side wall collapse.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 19/07/2022		<b>Hole Type</b> TP
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403356.30 N: 96704.80 L: 44.34	<b>Water Strike Details</b>		<b>Logged By</b> WS
<b>Contractor</b> Honeybun Plant Hire			<b>Plant Used</b> Komatsu PC130	Depth Strike 3.50	Remarks Seepage
Scale 1:50					

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend
Results	Type	Depth				
	B	0.20	(0.40)		MADE GROUND: Medium dense light grey sandy angular to subrounded fine to coarse GRAVEL of crushed concrete, flint, brick and asphalt. Sand is fine to coarse.	
	ES	0.30		43.94		
	B	0.50	(0.40)		MADE GROUND: Medium dense brownish orange gravelly fine to coarse SAND. Gravel is subangular to subrounded fine to coarse flint.	
				43.54		
	B	1.00	(0.60)	1	MADE GROUND: Loose sandy angular to subangular fine to coarse GRAVEL of crushed concrete, stone and brick. Sand is fine to coarse. Frequent bricks, rebar, wires and timber. Rare concrete boulders.	
				42.94		
	B	1.50	(1.00)	2	MADE GROUND: Firm blackish grey silty sandy CLAY with frequent branches. Sand is fine to coarse. Organic odour.	
				41.94		
			(2.10)	3	MADE GROUND: Loose orangish brown slightly gravelly silty medium to coarse SAND. Gravel is subangular fine to coarse flint. Occasional clumps of firm grey slightly silty CLAY.	
	B	4.00		4	End of Trial Pit at 4.50m	
	ES	4.50	4.50	39.84		

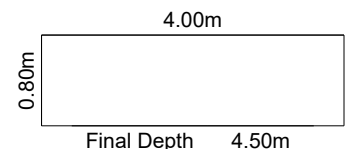
Trial Pit Photographs



**Remarks**

**Pit Stability:** Unstable. Large side wall collapse

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.





<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 19/07/2022 to 19/07/2022		<b>Hole Type</b> TP
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403499.10 N: 96730.21 L: 42.85	<b>Water Strike Details</b>		<b>Logged By</b> WS
<b>Contractor</b> Honeybun Plant Hire			<b>Plant Used</b> Komatsu PC130	Depth Strike 2.00	Remarks Fast inflow
Scale 1:50					

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend
Results	Type	Depth				
	ES	0.10	(0.20) 0.20	42.65	Medium dense light grey sandy angular to subangular fine to coarse GRAVEL of crushed concrete. Sand is fine to coarse. Occasional brick fragments. (FILL)	[Cross-hatched pattern]
	B	1.00	(2.50)		Loose brownish grey angular to well rounded fine to coarse sandy GRAVEL of crushed concrete, brick, flint and asphalt. Medium cobble content. (FILL)	
	B	3.00	(0.30) 3.00	40.15 39.85	Loose dark brown slightly silty fine to medium SAND with rare subangular fine flint gravel. (MADE GROUND)	[Dotted pattern]
End of Trial Pit at 3.00m						

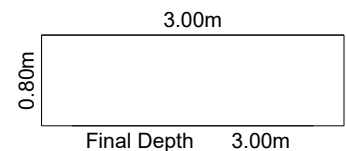
Trial Pit Photographs



**Remarks**

**Pit Stability:** Unstable. Small side wall collapse during BRE365 infiltration testing.

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.





<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 04/07/2022 to 04/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403492.10 N: 96684.72 L: 43.47	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=74 (13,16/17,18,19,20)	ES	0.10 - 0.30	(0.40)		MADE GROUND: Brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials including brick, glass, and concrete. Sand is fine to coarse.		
	ES	0.40 - 0.60	0.40	43.07	MADE GROUND: Orangeish brown gravelly SAND. Sand is fine to medium. Gravel is angular to subrounded, fine to coarse of flint.		
	SPT(C)	1.00	1	1.00	42.47	End of Borehole at 1.00m	
				2			
				3			
				4			
				5			
				6			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 06/07/2022 to 06/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403467.80 N: 96667.12 L: 43.49	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=8 (2,2/2,2,2,2)	ES SPT(C)	0.80 - 1.00 1.00	(0.10)	43.39	MADE GROUND: Red sandy GRAVEL. Gravel is angular, fine to medium of mixed materials. Sand is fine to coarse.		
			(0.30)	43.09	MADE GROUND: Brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials including brick. Sand is fine to coarse.		
			(0.30)	42.79	MADE GROUND: Brown slightly sandy silty GRAVEL. Gravel is angular, fine to coarse of mixed material including concrete and wood. Sand is fine to coarse.		
			(0.40)	42.39	MADE GROUND: Firm blackish grey closely fissured CLAY with common wood pieces.		
			(0.40)	41.99	MADE GROUND: Soft grey mottled orange sandy CLAY. Sand is fine to coarse.		
N=12 (5,7/3,3,3,3)	ES SPT(C)	1.50 - 1.75 2.00	(0.25)	41.74	MADE GROUND: Black gravelly SAND. Gravel is rounded, fine to medium of mixed material.		
			(1.00)	40.74	MADE GROUND: Orangeish brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is subangular to rounded of flint.		
0 (14,50/0 for 0mm)	SPT(C)	2.70	2.75	40.74	End of Borehole at 2.75m		

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.









<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 06/07/2022 to 06/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403429.00 N: 96652.93 L: 44.30	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=31 (10,12/11,9,6,5)	ES	0.50 - 0.80	(1.00)		MADE GROUND: Greyish brown sandy GRAVEL with some cobbles of concrete. Gravel is angular, fine to coarse of mixed materials including asphalt and concrete. Sand is fine to coarse.		
	SPT(C)	1.00	1	1.00 (0.30)	43.30	No recovery.	
N=58 (12,12/13,14,16,15)	ES	1.30 - 1.60		1.30 (0.30)	43.00	MADE GROUND: Grey sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials including brick, concrete, and plastic sheeting. Sand is fine to coarse.	
				1.60 (0.35)	42.70	MADE GROUND: Firm grey closely fissured CLAY.	
	SPT(C)	2.00	2	1.95 (0.05)	42.35	MADE GROUND: Orangeish brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is subangular to rounded of flint.	
				2.00	42.30	End of Borehole at 2.00m	
				3			
				4			
				5			
				6			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 06/07/2022 to 06/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403399.30 N: 96647.05 L: 43.97	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=24 (5,5/6,6,6,6)	SPT(C)	1.00	(0.30)		MADE GROUND: Grey sandy GRAVEL. Gravel is angular, fine to medium of mixed material including flint. Sand is fine to coarse.		
			0.30	43.67	MADE GROUND: Brown very sandy GRAVEL. Gravel is subangular, fine to medium of flint. Sand is fine to coarse.		
			(0.30)		MADE GROUND: Light brown slightly gravelly SAND. Sand is fine to medium. Gravel is angular, fine to medium of mixed material including brick and concrete.		
			0.60	43.37	MADE GROUND: Soft becoming firm blueish grey mottled orange slightly sandy slightly gravelly CLAY. Gravel is angular, fine to coarse of brick, plastic pipe, flint, and concrete. Sand is fine to coarse.		
N=42 (7,7/11,12,9,10)	SPT(C)	2.00	0.85	43.12	MADE GROUND: Very soft black slightly sandy wet SILT with numerous wood fragments.		
			(1.20)				
0 (17 for 75mm/0 for 0mm)	SPT(C)	2.05 - 2.15	2.05	41.92	MADE GROUND: Very soft black slightly sandy wet SILT with numerous wood fragments.		
			2.20	41.77	MADE GROUND: Very soft black slightly sandy wet SILT with numerous wood fragments.		
End of Borehole at 2.20m							

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter
Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.		





<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 06/07/2022 to 06/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403368.80 N: 96636.87 L: 43.90	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=65 (12,14/16,17,16,16)	ES	0.30 - 0.50	(0.20) 0.20	43.70	MADE GROUND: Grey sandy GRAVEL. Gravel is angular, fine to medium of mixed material including flint. Sand is fine to coarse.		
	ES	0.60 - 0.80	(0.40) 0.60	43.30	MADE GROUND: Brown very sandy GRAVEL. Gravel is subangular, fine to medium of flint. Sand is fine to coarse.		
	SPT(C)	1.00	(0.40) 1.00	42.90	MADE GROUND: Firm becoming soft blackish grey slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is angular, fine to coarse of wood, concrete, flint, and chalk. <small>0.60 to 0.60m - geotextile</small>		
					End of Borehole at 1.00m		

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 06/07/2022 to 06/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403355.50 N: 96682.88 L: 44.17	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well	
Results	Type	Depth						
N=8 (3,4/2,2,2,2)	ES SPT(C)	1.00 - 1.20 1.00	(0.40)	43.77	MADE GROUND: Black sandy GRAVEL. Gravel is angular, fine to coarse of asphalt, concrete, and brick. Sand is fine to coarse.			
			0.40		MADE GROUND: Orangeish brown gravelly SAND. Sand is fine to coarse. Gravel is subangular to rounded, fine to medium of flint.			
	ES	1.40 - 1.60	(0.45)	43.32	MADE GROUND: Stiff becoming soft greyish brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to medium of mixed materials.			
			0.85		MADE GROUND: Black slightly gravelly sandy SILT with wood pieces and a strong organic odour. Sand is fine to coarse. Gravel is angular, fine to medium of mixed material including concrete and brick.			
				(0.55)	42.77	MADE GROUND: Stiff light brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to coarse of mixed material including concrete.		
				1.40	42.57			
			(0.20)	42.47				
			(0.10)					
			1.70		End of Borehole at 1.70m			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 06/07/2022 to 06/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403424.10 N: 96733.31 L: 43.10	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=75 (14,19/19,19,18,19)	ES	0.30 - 0.50	(0.25)	42.85	MADE GROUND: Dark brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed material including concrete and brick.		
			0.25		MADE GROUND: Reddish brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed material including brick and concrete.		
	SPT(C)	0.70	(0.45)	42.40			
			0.70		End of Borehole at 0.70m		
			1				
			2				
			3				
			4				
			5				
			6				

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 06/07/2022 to 06/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403395.20 N: 96747.31 L: 45.09	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	
<b>Approved By</b> TC						
<b>Scale 1:50</b>						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=27 (6,6/7,7,6,7)	ES	0.30 - 0.60	(0.30)	44.79	MADE GROUND: Black sandy GRAVEL. Gravel is angular, fine to medium of mixed material including concrete and brick. Sand is fine to coarse.		
			0.30		MADE GROUND: Black slightly gravelly SAND with some wood fragments and a strong organic odour. Sand is fine to medium. Gravel is angular, fine to medium of mixed material.		
N=66 (12,17/16,17,16,17)	ES SPT(C)	0.90 - 1.10 1.00	0.60	44.49	MADE GROUND: Light brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is angular, fine to medium of flint and chalk.		
			(1.00)				
					0.90 to 1.00m - becoming orange 1.10 to 1.30m - becoming blueish grey 1.35 to 1.40m - becoming orange 1.55 to 1.60m - becoming gravelly		
					End of Borehole at 1.60m		

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 04/07/2022 to 04/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403421.30 N: 96767.84 L: 44.95	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=36 (9,9/7,9,11,9)	ES	0.30 - 1.00	(0.05)	44.90	MADE GROUND: Brown sandy GRAVEL with some rootlets. Gravel is angular, fine to medium of mixed lithologies including flint and brick.		
			(0.25)	44.65			
	SPT(C)	1.00	(0.70)	43.95	MADE GROUND: Dark brown becoming black slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is angular, fine to coarse of mixed materials including wood and wood.		
			(0.20)	43.75	MADE GROUND: Orangeish brown slightly gravelly SAND. Sand is fine to medium. Gravel is angular, fine to coarse of mixed materials including flint and wood.		
			(0.05)	43.70	MADE GROUND: Brown slightly sandy GRAVEL. Gravel is subangular, fine to coarse of flint.		
			1.25		End of Borehole at 1.25m		
				2			
				3			
				4			
				5			
				6			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.







<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 04/07/2022 to 04/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403456.50 N: 96715.83 L: 43.63	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
71 (12,17/71 for 225mm)	ES	0.20 - 0.30	(0.15)	43.48	MADE GROUND: Brown gravelly SAND. Sand is fine to coarse. Gravel is angular, fine to coarse of mixed materials including flint and brick.		
			(0.35)				
	SPT(C)	1.00	(0.50)	43.13	MADE GROUND: Light brown slightly gravelly SAND. Sand is fine to medium. Gravel is subangular, fine to medium of flint.		
			(0.50)				
			1	1.00	42.63	End of Borehole at 1.00m	
			2				
			3				
			4				
			5				
			6				

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.





<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 04/07/2022 to 04/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403495.00 N: 96719.97 L: 42.87	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
54 (19,17/54 for 150mm)	ES	0.30 - 0.40	(0.55)		MADE GROUND: Brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials including glass, plastic, brick, and concrete.		
	ES SPT(C)	0.60 - 1.00 0.70	0.55 (0.45)	42.32	MADE GROUND: Black gravelly SAND. Sand is fine to coarse. Gravel is angular, fine to medium of mixed materials including wood.		
			1	1.00	41.87	End of Borehole at 1.00m	
			2				
			3				
			4				
			5				
			6				

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 05/07/2022 to 05/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403360.00 N: 96720.00 L:	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

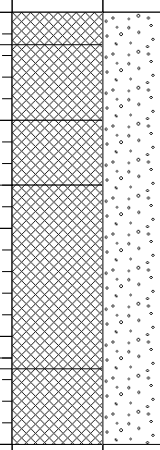
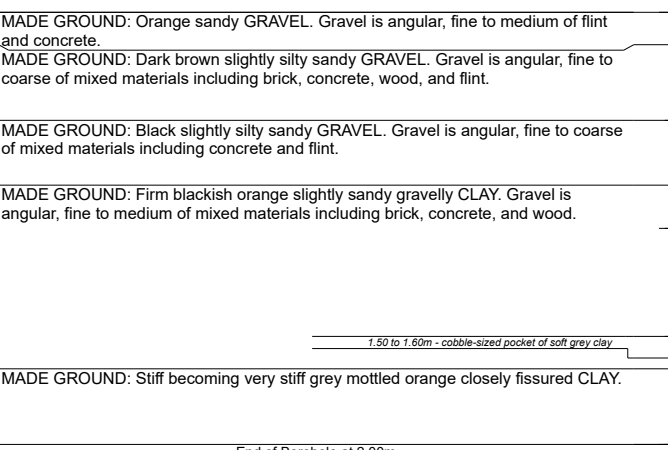
Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=36 (8,8/9,9,9,9)	ES	0.40 - 0.60	(0.30)		MADE GROUND: Dark brown slightly sandy silty GRAVEL. Gravel is angular, fine to medium of mixed materials. Sand is fine to coarse.		
			0.30		MADE GROUND: Dark brown becoming black slightly sandy gravelly SILT. Sand is fine to coarse. Gravel is angular, fine to coarse of mixed materials including wood and wood.		
51 (12,16/51 for 150mm)	SPT(C)	1.00	(0.50)	1	MADE GROUND: Orangeish brown slightly gravelly SAND. Sand is fine to medium. Gravel is angular, fine to coarse of mixed materials including flint and wood.		
	ES	1.25 - 1.50	0.80		MADE GROUND: Brown, blue and black sandy GRAVEL. Gravel is subangular, fine to coarse of flint.		
	SPT(C)	1.50	(0.25)		MADE GROUND: Brown, blue and black sandy GRAVEL. Gravel is subangular, fine to coarse of flint.		
			1.50		End of Borehole at 1.50m		
					<i>1.45 to 1.50m - becoming less sandy</i>		
				2			
				3			
				4			
				5			
				6			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



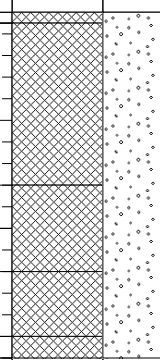
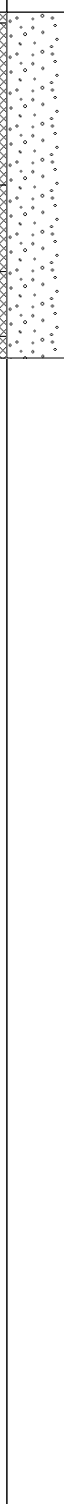
<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 05/07/2022 to 05/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403367.80 N: 96711.70 L:	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=28 (6,7/7,7,7,7)	SPT(C) ES	1.00 1.10 - 1.30	(0.15)		MADE GROUND: Orange sandy GRAVEL. Gravel is angular, fine to medium of flint and concrete.		
			0.15		MADE GROUND: Dark brown slightly silty sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials including brick, concrete, wood, and flint.		
			(0.35)		MADE GROUND: Black slightly silty sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials including concrete and flint.		
			0.50		MADE GROUND: Firm blackish orange slightly sandy gravelly CLAY. Gravel is angular, fine to medium of mixed materials including brick, concrete, and wood.		
N=69 (8,9/17,17,17,18)	SPT(C)	2.00	(0.30)				
			0.80				
			(0.85)				
			1.65				
			(0.35)		MADE GROUND: Stiff becoming very stiff grey mottled orange closely fissured CLAY.		
					End of Borehole at 2.00m		

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 05/07/2022 to 05/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403380.60 N: 96703.60 L:	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
	ES	0.05	(0.05)		MADE GROUND: Orange brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials. MADE GROUND: Black slightly gravelly SAND. Sand is fine. Gravel is angular, fine to coarse of clinker and asphalt. <i>0.05 to 0.05m - cobble of potential asbestos</i>		
	ES	0.20 - 0.40	0.05	(0.75)			
N=28 (6,7/7,7,7,7)	SPT(C)	1.00	1	(0.40)	MADE GROUND: Orangeish brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is angular, fine to medium of mixed materials including clinker, wood, brick, and flint.		
				1.20	MADE GROUND: Very stiff grey closely fissured CLAY.		
51 (8,17/51 for 150mm)	SPT(C)	1.60	1.50	(0.10)	MADE GROUND: Brown gravelly SAND. Sand is fine to coarse. Gravel is subangular to rounded, fine to medium of flint.		
			1.60		End of Borehole at 1.60m		
				2			
				3			
				4			
				5			
				6			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 05/07/2022 to 05/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403387.20 N: 96695.80 L:	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike 1.80	Time Elapsed 30	Rose To 1.00
<b>Approved By</b> TC						
<b>Scale</b> 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=28 (8,6/7,7,7,7)	ES SPT(C)	1.00 - 1.20 1.00	(0.10)		MADE GROUND: Orange brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials. MADE GROUND: Blackish brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed material including concrete. MADE GROUND: Black slightly gravelly SAND. Sand is fine. Gravel is angular, fine to coarse of clinker and asphalt.		
			0.10				
			(0.20)				
			0.30				
			(0.55)				
			0.85		MADE GROUND: Orangeish brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is angular, fine to medium of mixed materials including clinker, wood, brick, and flint.		
			(0.35)	1			
			1.20		MADE GROUND: Firm becoming soft grey mottled light grey closely fissured CLAY.		
			(0.60)				
			1.80		MADE GROUND: Blackish brown gravelly SAND. Sand is fine to coarse. Gravel is angular, fine to medium of flint and wood.		
N=60 (9,9/14,15,14,17)	ES SPT(C)	1.80 - 2.00 2.00	(0.20)	2			
			2.00				
End of Borehole at 2.00m							
				3			
				4			
				5			
				6			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 05/07/2022 to 05/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403405.80 N: 96673.70 L:	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
<b>Approved By</b> TC						
Scale 1:50						

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=28 (6,6/7,7,7,7)	SPT(C)	1.00	(0.80)	1	MADE GROUND: Orangeish brown slightly gravelly silty SAND. Sand is fine to coarse. Gravel is angular, fine to medium of mixed materials including clinker, wood, brick, and flint.	[Cross-hatched pattern]	[Dotted pattern]
	ES	1.30 - 1.50	(0.70)	1	MADE GROUND: Light brown silty SAND with some wood fragments up to 30 mm in size. Sand is fine to coarse.		
52 (17,18/52 for 150mm)	SPT(C)	1.50	(0.10)	1.50	MADE GROUND: Dark brown sandy GRAVEL. Gravel is angular, fine to coarse of mixed materials including concrete, clinker, and brick. End of Borehole at 1.60m	[Cross-hatched pattern]	[Dotted pattern]
			1.60	1.60			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.



<b>Project Name</b> Canford Energy Park		<b>Project No.</b> EX-21-001	<b>Date</b> 05/07/2022 to 05/07/2022		<b>Hole Type</b> WS	
<b>Client</b> Canford Renewable Energy		<b>Co-ords</b> E: 403395.90 N: 96672.00 L:	<b>Water Strike Details</b>			<b>Logged By</b> HL
<b>Contractor</b> ADS Ltd.			<b>Plant Used</b> Dando Terrier	Depth Strike	Time Elapsed	Rose To
					<b>Approved By</b> TC	
					Scale 1:50	

Samples and Results			Depth, (Thickness)	Level	Stratum Description	Legend	Well
Results	Type	Depth					
N=27 (6,6/7,6,7,7)	SPT(C)	1.00	(0.60)		MADE GROUND: Brown silty sandy GRAVEL. Gravel is angular, fine to coarse of concrete, flint and brick. Sand is fine to coarse.		
			0.60		MADE GROUND: Soft blueish becoming orangeish grey slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is angular, fine to medium of concrete, wood, and brick. <i>0.70 to 0.80m - band of black sandy SILT</i>		
58 (15,18/58 for 150mm)	ES SPT(C)	1.80 - 1.95 2.00	1.80	1			
			(0.20) 2.00	2	MADE GROUND: Black sandy GRAVEL. Gravel is angular, fine to coarse of concrete and brick. Sand is fine to coarse. <i>1.95 to 2.00m - cobble of brick</i>		
					End of Borehole at 2.00m		
				3			
				4			
				5			
				6			

<b>Remarks</b>	<b>Borehole Diameter</b>	
	Base Depth	Diameter

Notes: For all symbols and abbreviations please see key sheet. All depths and measurements in metres. Stratum thicknesses given in brackets.

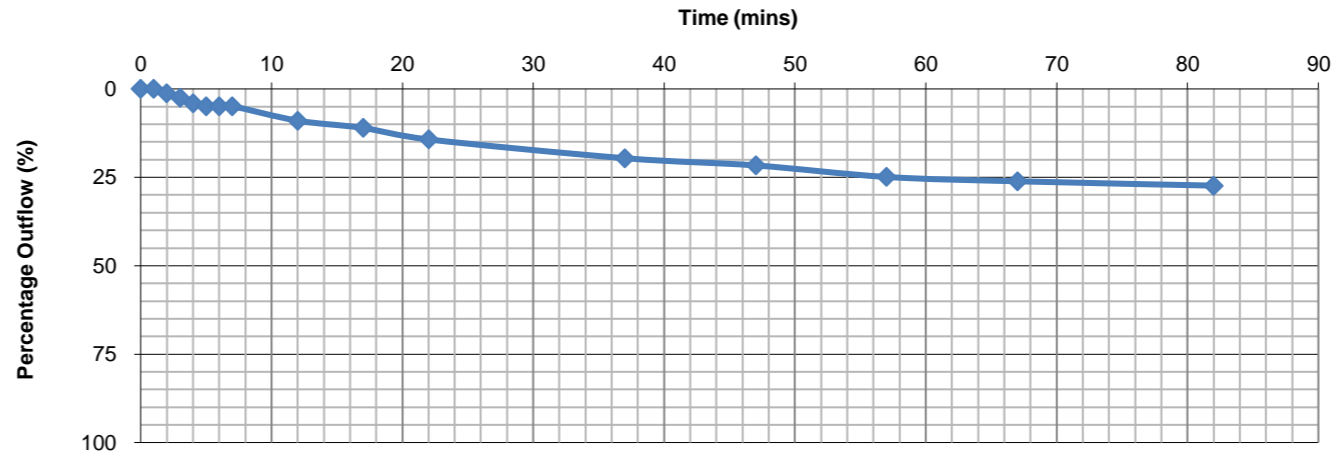


**Annex C: In-situ Test Results**

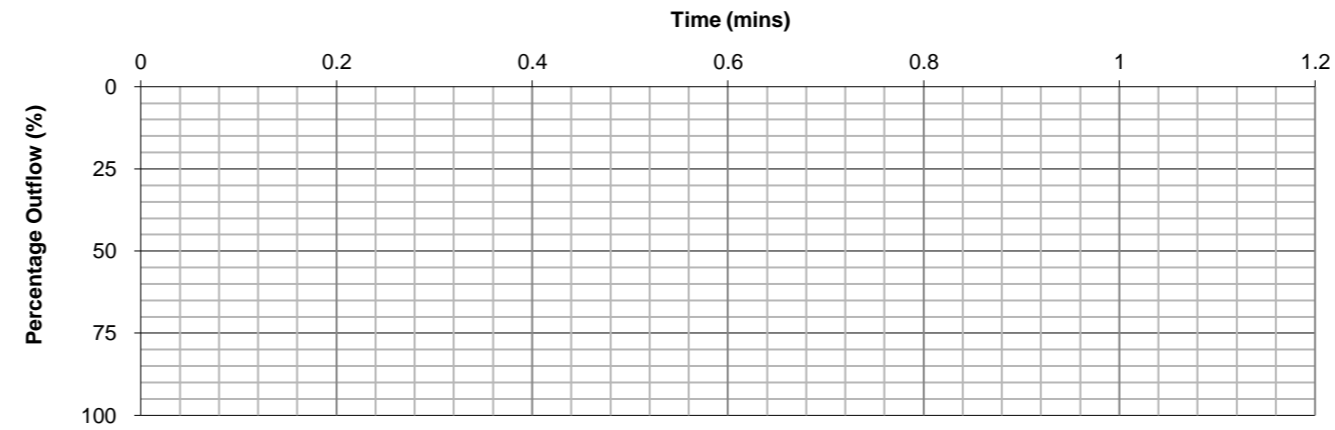


<b>Site Name:</b> CANFORD PARK	<b>Job No.:</b> EX-21-001	<b>Date Undertaken:</b> 18/07/2022
<b>Trial Pit No.:</b> TP09	<b>Engineer:</b> WS	

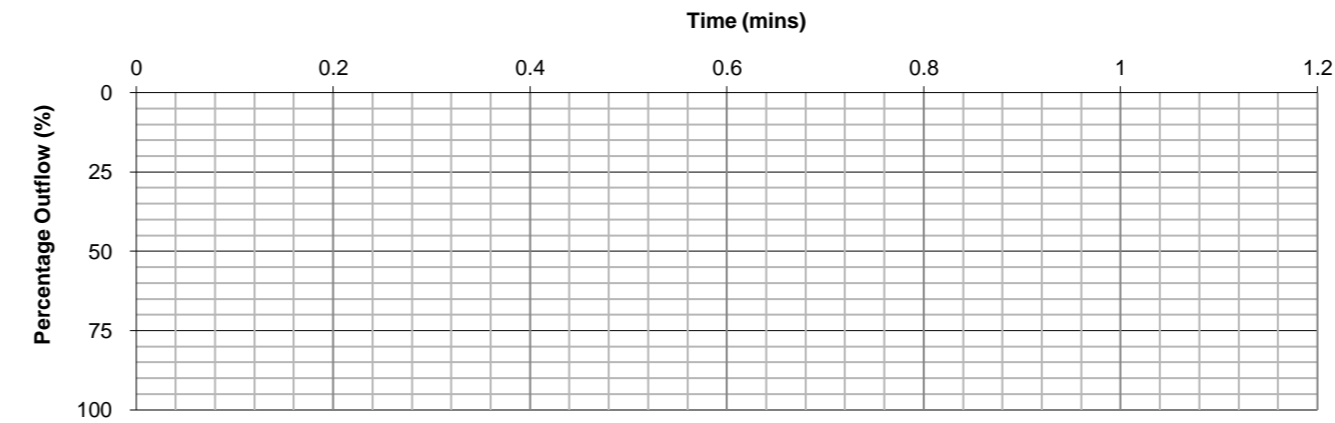
TEST NUMBER: T1  
 VP25 (mBGL): 1.1625  
 VP75 (mBGL): 2.3875  
 VP25 (Mins): #NUM!  
 VP27 (Mins): #DIV/0!  
**INFILTRATION RATE (m/s): #DIV/0!**  
**Drainage Field VP: -**



TEST NUMBER: T2  
 VP25: 0  
 VP75: 0  
 VP25 (Mins): #NUM!  
 VP27 (Mins): #NUM!  
**INFILTRATION RATE (m/s): #NUM!**  
**Drainage Field VP: -**



TEST NUMBER: T3  
 VP25: 0  
 VP75: 0  
 VP25 (Mins): #NUM!  
 VP27 (Mins): #NUM!  
**INFILTRATION RATE (m/s): #NUM!**  
**Drainage Field VP: -**



**REMARKS:** Test carried out in accordance with BRE Digest 365 (2016)

**Annex D: Chemical Test Results**



# Final Report

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**Report No.:** 22-26298-1

**Initial Date of Issue:** 26-Jul-2022

**Client:** Terra Firma

**Client Address:** t/a Terra Firma  
The Slate Barn  
Lower Lowley  
Dunsford  
Devon  
EX6 7BP

**Contact(s):** Info

**Project:** EX-21-001 Canford Energy Park


**Quotation No.:** **Date Received:** 12-Jul-2022

**Order No.:** EX-21-001 **Date Instructed:** 12-Jul-2022

**No. of Samples:** 30

**Turnaround (Wkdays):** 6 **Results Due:** 19-Jul-2022

**Date Approved:** 26-Jul-2022

**Approved By:**  


**Details:** Stuart Henderson, Technical Manager

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# Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466255	1466256	1466257	1466258	1466259	1466260	1466261	1466262	1466263	
Order No.: EX-21-001		Client Sample Ref.:		2	1	1	2	1	2	2	1	2	
		Sample Location:		WS01	WS01	WS02	WS02	WS03	WS03	WS06	WS07	WS07	
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Top Depth (m):		0.40	0.10	0.80	1.50	0.50	1.30	2.05	0.30	0.60	
		Bottom Depth (m):		0.60	0.30	1.00	1.75	0.80	1.60	2.15	0.50	0.80	
		Asbestos Lab:		DURHAM	DURHAM	DURHAM		DURHAM			DURHAM	DURHAM	
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected		No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	
Moisture	N	2030	%	0.020	9.0	6.8	21	16	6.5	17	31	6.2	13
Chromatogram (TPH)	N			N/A	See Attached	See Attached	See Attached		See Attached			See Attached	See Attached
pH	M	2010		4.0	[A] 9.5	[A] 9.0	[A] 7.3	[A] 6.1	[A] 10.1	[A] 7.9	[A] 7.5	[A] 7.8	[A] 8.5
Cyanide (Total)	M	2300	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Sulphate (Total)	U	2430	%	0.010	[A] 0.093	[A] 0.25	[A] 0.090	[A] 0.24	[A] 0.25	[A] 0.24	[A] 0.35	[A] 0.016	[A] 0.15
Arsenic	M	2455	mg/kg	0.5	8.7	2.3	3.5	3.2	2.5	3.7	6.5	4.9	4.1
Cadmium	M	2455	mg/kg	0.10	0.11	< 0.10	0.12	< 0.10	< 0.10	0.15	< 0.10	0.12	< 0.10
Chromium	M	2455	mg/kg	0.5	14	4.6	9.6	8.4	4.2	9.1	16	16	8.1
Copper	M	2455	mg/kg	0.50	19	4.6	11	4.4	2.9	11	4.6	11	4.2
Mercury	M	2455	mg/kg	0.05	0.10	< 0.05	0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	10	3.5	6.2	2.2	4.2	7.3	1.9	8.4	3.6
Lead	M	2455	mg/kg	0.50	57	24	32	11	21	30	14	20	5.2
Selenium	M	2455	mg/kg	0.25	0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.36	0.41	< 0.25
Zinc	M	2455	mg/kg	0.50	55	20	64	11	27	44	6.3	40	16
Chromium (Trivalent)	N	2490	mg/kg	1.0	14	4.6	9.6	8.4	4.2	9.1	16	16	8.1
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.40	[A] < 0.40	[A] 2.2	[A] 1.3	[A] 3.6	[A] 2.1	[A] 1.3	[A] 2.9	[A] 0.41	[A] 1.2
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0		[A] < 5.0	[A] < 5.0
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0		[A] < 1.0	[A] < 1.0
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] 41	[A] < 1.0		[A] < 1.0	[A] < 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] 2000	[A] < 5.0		[A] < 5.0	[A] < 5.0



# Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:											
Quotation No.:	Chemtest Sample ID.:	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	
Order No.:	Client Sample Ref.:	1466255	1466256	1466257	1466258	1466259	1466260	1466261	1466262	1466263			
EX-21-001	2	1	1	2	1	2	2	1	2				
	Sample Location:	WS01	WS01	WS02	WS02	WS03	WS03	WS06	WS07	WS07			
	Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL			
	Top Depth (m):	0.40	0.10	0.80	1.50	0.50	1.30	2.05	0.30	0.60			
	Bottom Depth (m):	0.60	0.30	1.00	1.75	0.80	1.60	2.15	0.50	0.80			
	Asbestos Lab:	DURHAM	DURHAM	DURHAM		DURHAM			DURHAM	DURHAM			
Determinand	Accred.	SOP	Units	LOD									
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] 2000	[A] < 10		[A] < 10	[A] < 10
Naphthalene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Acenaphthylene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Acenaphthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Fluorene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Phenanthrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 0.42	[A] < 0.10	[A] < 0.10	[A] 0.37	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Anthracene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 0.22	[A] < 0.10	[A] < 0.10	[A] 0.20	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Fluoranthene	M	2700	mg/kg	0.10	[A] 0.77	[A] 1.1	[A] 0.30	[A] < 0.10	[A] 1.5	[A] < 0.10	[A] 0.92	[A] < 0.10	[A] 0.57
Pyrene	M	2700	mg/kg	0.10	[A] 0.81	[A] 1.2	[A] 0.47	[A] < 0.10	[A] 1.7	[A] < 0.10	[A] 0.88	[A] < 0.10	[A] 0.57
Benzo[a]anthracene	M	2700	mg/kg	0.10	[A] 0.25	[A] 0.48	[A] < 0.10	[A] < 0.10	[A] 1.0	[A] < 0.10	[A] 0.29	[A] < 0.10	[A] 0.28
Chrysene	M	2700	mg/kg	0.10	[A] 0.38	[A] 0.66	[A] < 0.10	[A] < 0.10	[A] 1.1	[A] < 0.10	[A] 0.82	[A] < 0.10	[A] 0.54
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 2.0	[A] < 0.10	[A] < 0.10	[A] 1.9	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 0.91	[A] < 0.10	[A] < 0.10	[A] 0.68	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Benzo[a]pyrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 1.5	[A] < 0.10	[A] < 0.10	[A] 1.6	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Total Of 16 PAH's	M	2700	mg/kg	2.0	[A] 2.2	[A] 8.5	[A] < 2.0	[A] < 2.0	[A] 10	[A] < 2.0	[A] 2.9	[A] < 2.0	[A] < 2.0
Dichlorodifluoromethane	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Chloromethane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Vinyl Chloride	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromomethane	M	2760	µg/kg	20		[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20
Chloroethane	U	2760	µg/kg	2.0		[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Trichlorofluoromethane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloroethene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Trans 1,2-Dichloroethene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloroethane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromochloromethane	U	2760	µg/kg	5.0		[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
Trichloromethane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1,1-Trichloroethane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tetrachloromethane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Benzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichloroethane	M	2760	µg/kg	2.0		[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Trichloroethene	N	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichloropropane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Dibromomethane	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:											
Quotation No.:	Chemtest Sample ID.:												
Order No.: EX-21-001	Client Sample Ref.:												
	Sample Location:												
	Sample Type:												
	Top Depth (m):												
	Bottom Depth (m):												
	Asbestos Lab:												
Determinand	Accred.	SOP	Units	LOD									
Bromodichloromethane	M	2760	µg/kg	5.0		[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10		[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
Toluene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10		[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
1,1,2-Trichloroethane	M	2760	µg/kg	10		[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
Tetrachloroethene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0		[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Dibromochloromethane	U	2760	µg/kg	10		[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
1,2-Dibromoethane	M	2760	µg/kg	5.0		[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
Chlorobenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0		[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Ethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
m & p-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
o-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Styrene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tribromomethane	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Isopropylbenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromobenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50		[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50
N-Propylbenzene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
2-Chlorotoluene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichlorobenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,4-Dichlorobenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Butylbenzene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichlorobenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50		[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0		[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0		[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Nitrosodimethylamine	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50			[A] < 0.50	[A] < 0.50
Phenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50			[A] < 0.50	[A] < 0.50

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466255	1466256	1466257	1466258	1466259	1466260	1466261	1466262	1466263
Order No.: EX-21-001		Client Sample Ref.:		2	1	1	2	1	2	2	1	2
		Sample Location:		WS01	WS01	WS02	WS02	WS03	WS03	WS06	WS07	WS07
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.40	0.10	0.80	1.50	0.50	1.30	2.05	0.30	0.60
		Bottom Depth (m):		0.60	0.30	1.00	1.75	0.80	1.60	2.15	0.50	0.80
		Asbestos Lab:		DURHAM	DURHAM	DURHAM		DURHAM			DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD								
2-Chlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Bis-(2-Chloroethyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
1,3-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
1,2-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Bis(2-Chloroisopropyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Hexachloroethane	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
N-Nitrosodi-n-propylamine	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
4-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Nitrobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Isophorone	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2,4-Dimethylphenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Bis(2-Chloroethoxy)Methane	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2,4-Dichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
1,2,4-Trichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Naphthalene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
4-Chloroaniline	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Hexachlorobutadiene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
4-Chloro-3-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2-Methylnaphthalene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
4-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2,4,6-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2,4,5-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2-Chloronaphthalene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Acenaphthylene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Dimethylphthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2,6-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Acenaphthene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
3-Nitroaniline	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Dibenzofuran	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
4-Chlorophenylphenylether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2,4-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Fluorene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Diethyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466255	1466256	1466257	1466258	1466259	1466260	1466261	1466262	1466263
Order No.: EX-21-001		Client Sample Ref.:		2	1	1	2	1	2	2	1	2
		Sample Location:		WS01	WS01	WS02	WS02	WS03	WS03	WS06	WS07	WS07
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.40	0.10	0.80	1.50	0.50	1.30	2.05	0.30	0.60
		Bottom Depth (m):		0.60	0.30	1.00	1.75	0.80	1.60	2.15	0.50	0.80
		Asbestos Lab:		DURHAM	DURHAM	DURHAM		DURHAM			DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD								
4-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Azobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
4-Bromophenylphenyl Ether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Hexachlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Pentachlorophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Phenanthrene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] 0.81
Anthracene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Carbazole	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Di-N-Butyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] 0.57		[A] < 0.50	[A] 3.0
Pyrene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] 0.52		[A] < 0.50	[A] 2.7
Butylbenzyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Benzo[a]anthracene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] 0.51		[A] < 0.50	[A] 1.3
Chrysene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] 0.55		[A] < 0.50	[A] 1.3
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Di-N-Octyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Benzo[b]fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] 0.78		[A] < 0.50	[A] 0.62
Benzo[k]fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] 0.65
Benzo[a]pyrene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] 0.59		[A] < 0.50	[A] 1.2
Indeno(1,2,3-c,d)Pyrene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] 0.72
Dibenz(a,h)Anthracene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] < 0.50
Benzo[g,h,i]perylene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50		[A] < 0.50	[A] 0.75
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	1.0	< 0.10

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma	Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:	Chemtest Sample ID.:		1466264	1466265	1466266	1466267	1466268	1466269	1466270	1466271	1466272	
Order No.: EX-21-001	Client Sample Ref.:		1	2	1	2	1	1	2	1	1	
	Sample Location:		WS09	WS09	WS13	WS14	WS14	WS15	WS17	WS17	WS19	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		1.00	1.4	0.30	0.90	0.30	0.30	0.75	0.45	0.20	
	Bottom Depth (m):		1.20	1.60	0.50	1.10	0.60	1.00	1.00	0.65	0.30	
	Asbestos Lab:		DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	
Determinand	Accred.	SOP	Units	LOD								
ACM Type	U	2192		N/A	-		-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected		No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	13	23	9.2	11	16	20	12	6.3
Chromatogram (TPH)	N			N/A			See Attached	See Attached	See Attached	See Attached	See Attached	See Attached
pH	M	2010		4.0	[A] 8.6	[A] 8.1	[A] 8.7	[A] 5.9	[A] 6.6	[A] 7.3	[A] 7.8	[A] 8.2
Cyanide (Total)	M	2300	mg/kg	0.50	[A] 1.1	[A] < 0.50	[A] 0.90	[A] 0.60	[A] 0.70	[A] 1.0	[A] 1.0	[A] < 0.50
Sulphate (Total)	U	2430	%	0.010	[A] 0.13	[A] 0.27	[A] 0.25	[A] 0.020	[A] 0.034	[A] 0.046	[A] 0.26	[A] 0.19
Arsenic	M	2455	mg/kg	0.5	5.4	4.1	5.1	3.5	5.2	2.3	6.0	2.6
Cadmium	M	2455	mg/kg	0.10	0.11	< 0.10	0.21	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Chromium	M	2455	mg/kg	0.5	16	11	16	8.8	10	4.0	9.7	7.8
Copper	M	2455	mg/kg	0.50	14	8.9	23	8.5	4.9	1.4	4.8	12
Mercury	M	2455	mg/kg	0.05	0.05	< 0.05	0.08	< 0.05	< 0.05	< 0.05	< 0.05	0.25
Nickel	M	2455	mg/kg	0.50	7.4	5.2	8.7	5.8	5.0	1.3	4.9	4.6
Lead	M	2455	mg/kg	0.50	26	22	51	44	6.4	8.3	22	42
Selenium	M	2455	mg/kg	0.25	0.45	< 0.25	0.29	< 0.25	< 0.25	< 0.25	0.29	< 0.25
Zinc	M	2455	mg/kg	0.50	50	39	68	49	12	6.0	23	57
Chromium (Trivalent)	N	2490	mg/kg	1.0	16	11	16	8.8	10	4.0	9.7	7.8
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.40	[A] 1.1	[A] 3.3	[A] 1.6	[A] < 0.40	[A] 4.1	[A] 5.2	[A] 3.3	[A] 7.9
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] 670
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] 870
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] 490
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] 870



# Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	
Quotation No.:		Chemtest Sample ID.:		1466264	1466265	1466266	1466267	1466268	1466269	1466270	1466271	1466272		
Order No.: EX-21-001		Client Sample Ref.:		1	2	1	2	1	1	2	1	1		
		Sample Location:		WS09	WS09	WS13	WS14	WS14	WS15	WS17	WS17	WS19		
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
		Top Depth (m):		1.00	1.4	0.30	0.90	0.30	0.30	0.75	0.45	0.20		
		Bottom Depth (m):		1.20	1.60	0.50	1.10	0.60	1.00	1.00	0.65	0.30		
		Asbestos Lab:		DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		
Determinand	Accred.	SOP	Units	LOD										
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] 870	[A] 1200	
Naphthalene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] 0.33	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 0.11	[A] < 0.10	[A] 1.6	
Acenaphthylene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] 0.27	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 0.33	[A] < 0.10	[A] 0.72	
Acenaphthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] 0.52	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 0.68	[A] < 0.10	[A] 2.3	
Fluorene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] 0.60	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 0.64	[A] < 0.10	[A] 2.1	
Phenanthrene	M	2700	mg/kg	0.10	[A] 0.36	[A] 1.8	[A] 5.0	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 7.6	[A] 2.7	[A] 13	
Anthracene	M	2700	mg/kg	0.10	[A] 0.17	[A] 0.52	[A] 1.8	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 2.4	[A] 1.6	[A] 3.6	
Fluoranthene	M	2700	mg/kg	0.10	[A] 1.3	[A] 2.2	[A] 7.3	[A] 0.23	[A] < 0.10	[A] < 0.10	[A] 14	[A] 6.2	[A] 20	
Pyrene	M	2700	mg/kg	0.10	[A] 1.2	[A] 2.1	[A] 7.0	[A] 0.26	[A] < 0.10	[A] < 0.10	[A] 13	[A] 6.8	[A] 17	
Benzo[a]anthracene	M	2700	mg/kg	0.10	[A] 0.52	[A] 1.3	[A] 3.0	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 7.0	[A] 4.6	[A] 9.4	
Chrysene	M	2700	mg/kg	0.10	[A] 0.80	[A] 2.4	[A] 3.6	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 6.3	[A] 4.1	[A] 8.3	
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	[A] 0.83	[A] 2.6	[A] 3.8	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 9.6	[A] 8.4	[A] 13	
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	[A] 0.27	[A] 0.93	[A] 1.5	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 3.3	[A] 3.5	[A] 5.1	
Benzo[a]pyrene	M	2700	mg/kg	0.10	[A] 0.25	[A] 2.0	[A] 3.3	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 6.9	[A] 7.0	[A] 10	
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] 2.0	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 4.9	[A] 5.5	[A] 7.8	
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] 0.66	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 1.3	[A] 1.6	[A] 3.0	
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] 2.3	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 5.0	[A] 8.3	[A] 10	
Total Of 16 PAH's	M	2700	mg/kg	2.0	[A] 5.7	[A] 16	[A] 43	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] 83	[A] 60	[A] 130	
Dichlorodifluoromethane	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Chloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Vinyl Chloride	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Bromomethane	M	2760	µg/kg	20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	
Chloroethane	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	
Trichlorofluoromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
1,1-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Trans 1,2-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
1,1-Dichloroethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Bromochloromethane	U	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	
Trichloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
1,1,1-Trichloroethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Tetrachloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
1,1-Dichloropropene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Benzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
1,2-Dichloroethane	M	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	
Trichloroethene	N	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
1,2-Dichloropropane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Dibromomethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	
Quotation No.:		Chemtest Sample ID.:		1466264	1466265	1466266	1466267	1466268	1466269	1466270	1466271	1466272		
Order No.: EX-21-001		Client Sample Ref.:		1	2	1	2	1	1	2	1	1		
		Sample Location:		WS09	WS09	WS13	WS14	WS14	WS15	WS17	WS17	WS19		
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
		Top Depth (m):		1.00	1.4	0.30	0.90	0.30	0.30	0.75	0.45	0.20		
		Bottom Depth (m):		1.20	1.60	0.50	1.10	0.60	1.00	1.00	0.65	0.30		
		Asbestos Lab:		DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM		
Determinand	Accred.	SOP	Units	LOD										
Bromodichloromethane	M	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
Toluene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
1,1,2-Trichloroethane	M	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
Tetrachloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Dibromochloromethane	U	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
1,2-Dibromoethane	M	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
Chlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Ethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
m & p-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
o-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Styrene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tribromomethane	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Isopropylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50
N-Propylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
2-Chlorotoluene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,4-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Nitrosodimethylamine	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Phenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466264	1466265	1466266	1466267	1466268	1466269	1466270	1466271	1466272
Order No.: EX-21-001		Client Sample Ref.:		1	2	1	2	1	1	2	1	1
		Sample Location:		WS09	WS09	WS13	WS14	WS14	WS15	WS17	WS17	WS19
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		1.00	1.4	0.30	0.90	0.30	0.30	0.75	0.45	0.20
		Bottom Depth (m):		1.20	1.60	0.50	1.10	0.60	1.00	1.00	0.65	0.30
		Asbestos Lab:		DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD								
2-Chlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Bis-(2-Chloroethyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
1,3-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
1,2-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Bis(2-Chloroisopropyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Hexachloroethane	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
N-Nitrosodi-n-propylamine	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
4-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Nitrobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Isophorone	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2,4-Dimethylphenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Bis(2-Chloroethoxy)Methane	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2,4-Dichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
1,2,4-Trichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Naphthalene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
4-Chloroaniline	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Hexachlorobutadiene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
4-Chloro-3-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2-Methylnaphthalene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
4-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2,4,6-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2,4,5-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2-Chloronaphthalene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Acenaphthylene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Dimethylphthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2,6-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Acenaphthene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
3-Nitroaniline	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Dibenzofuran	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
4-Chlorophenylphenylether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2,4-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Fluorene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Diethyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466264	1466265	1466266	1466267	1466268	1466269	1466270	1466271	1466272
Order No.: EX-21-001		Client Sample Ref.:		1	2	1	2	1	1	2	1	1
		Sample Location:		WS09	WS09	WS13	WS14	WS14	WS15	WS17	WS17	WS19
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		1.00	1.4	0.30	0.90	0.30	0.30	0.75	0.45	0.20
		Bottom Depth (m):		1.20	1.60	0.50	1.10	0.60	1.00	1.00	0.65	0.30
		Asbestos Lab:		DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM	DURHAM
Determinand	Accred.	SOP	Units	LOD								
4-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Azobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
4-Bromophenylphenyl Ether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Hexachlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Pentachlorophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Phenanthrene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 1.1	[A] 1.3
Anthracene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Carbazole	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Di-N-Butyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Fluoranthene	M	2790	mg/kg	0.50	[A] 0.79		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 1.2	[A] 3.3
Pyrene	M	2790	mg/kg	0.50	[A] 0.71		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 2.2	[A] 3.0
Butylbenzyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Benzo[a]anthracene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 0.90	[A] 1.8
Chrysene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 0.89	[A] 1.9
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Di-N-Octyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Benzo[b]fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 1.3	[A] 3.0
Benzo[k]fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 1.1	[A] 0.98
Benzo[a]pyrene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 0.91	[A] 2.3
Indeno(1,2,3-c,d)Pyrene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 0.62	[A] 1.6
Dibenz(a,h)Anthracene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Benzo[g,h,i]perylene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] 0.64	[A] 1.7
Total Phenols	M	2920	mg/kg	0.10	< 0.10	2.2	< 0.10	< 0.10	< 0.10	0.19	< 0.10	< 0.10

# Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma	Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:	Chemtest Sample ID.:		1466273	1466274	1466275	1466276	1466277	1466278	1466279	1466280	1466281		
Order No.: EX-21-001	Client Sample Ref.:		2	1	1	2	1	2	1	1	2		
	Sample Location:		WS20	WS20	WS21	WS21	WS22	WS23	WS23	WS24	WS24		
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		
	Top Depth (m):		0.60	0.30	0.40	1.25	1.10	0.20	0.05	1.00	1.80		
	Bottom Depth (m):		1.00	0.40	0.60	1.50	1.30	0.40	0.05	1.20	2.00		
	Asbestos Lab:		DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM			
Determinand	Accred.	SOP	Units	LOD									
ACM Type	U	2192		N/A	-	-	-	-	-	-	-	-	-
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Moisture	N	2030	%	0.020	2.9	7.2	24	11	10	8.5	12	13	9.6
Chromatogram (TPH)	N			N/A	See Attached	See Attached	See Attached			See Attached	See Attached		
pH	M	2010		4.0	[A] 8.2	[A] 9.2	[A] 7.8	[A] 6.4	[A] 7.8	[A] 9.5	[A] 8.7	[A] 8.2	[A] 8.6
Cyanide (Total)	M	2300	mg/kg	0.50	[A] < 0.50	[A] 0.70	[A] 0.90	[A] 1.3	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Sulphate (Total)	U	2430	%	0.010	[A] 0.16	[A] 0.50	[A] 0.21	[A] 0.025	[A] 0.069	[A] 0.055	[A] 0.063	[A] 0.24	[A] 0.11
Arsenic	M	2455	mg/kg	0.5	4.4	4.8	4.2	2.3	9.3	4.5	7.8	6.8	3.5
Cadmium	M	2455	mg/kg	0.10	0.16	0.20	0.16	< 0.10	< 0.10	< 0.10	0.11	0.12	0.20
Chromium	M	2455	mg/kg	0.5	11	9.9	11	4.2	16	11	250	190	17
Copper	M	2455	mg/kg	0.50	8.6	14	130	3.9	5.2	7.8	350	280	26
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	0.07	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	M	2455	mg/kg	0.50	6.5	8.0	7.6	3.9	5.5	5.2	120	95	9.6
Lead	M	2455	mg/kg	0.50	21	33	60	12	7.0	12	17	18	16
Selenium	M	2455	mg/kg	0.25	< 0.25	< 0.25	< 0.25	< 0.25	0.28	0.27	0.29	0.28	0.31
Zinc	M	2455	mg/kg	0.50	38	76	78	8.5	14	22	69	66	50
Chromium (Trivalent)	N	2490	mg/kg	1.0	11	9.9	11	4.2	16	11	250	190	17
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.40	[A] 10	[A] 1.7	[A] 8.3	[A] < 0.40	[A] 1.5	[A] 1.7	[A] 2.9	[A] 5.0	[A] 0.78
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] 57	[A] < 1.0	[A] 160	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	[A] 57	[A] < 5.0	[A] 160	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[A] 8.6	[A] < 1.0	[A] 18	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] 1500	[A] < 1.0	[A] 320	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	[A] 1500	[A] < 5.0	[A] 340	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	



# Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:										
Quotation No.:	Chemtest Sample ID.:	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Order No.: EX-21-001	Client Sample Ref.:	2	1	1	2	1	2	1	2	1	1	2
	Sample Location:	WS20	WS20	WS21	WS21	WS22	WS23	WS23	WS23	WS24	WS24	
	Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):	0.60	0.30	0.40	1.25	1.10	0.20	0.05	1.00	1.80		
	Bottom Depth (m):	1.00	0.40	0.60	1.50	1.30	0.40	0.05	1.20	2.00		
	Asbestos Lab:	DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM			
Determinand	Accred.	SOP	Units	LOD								
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	[A] 1500	[A] < 10	[A] 490	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
Naphthalene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Acenaphthylene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Acenaphthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Fluorene	M	2700	mg/kg	0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10
Phenanthrene	M	2700	mg/kg	0.10	[A] 4.4	[A] 0.44	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 2.8	[A] < 0.10	[A] 1.6
Anthracene	M	2700	mg/kg	0.10	[A] 2.9	[A] 0.25	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 0.79	[A] < 0.10	[A] 0.58
Fluoranthene	M	2700	mg/kg	0.10	[A] 12	[A] 1.3	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 4.1	[A] 0.61	[A] 3.1
Pyrene	M	2700	mg/kg	0.10	[A] 12	[A] 1.6	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 3.3	[A] 0.75	[A] 3.1
Benzo[a]anthracene	M	2700	mg/kg	0.10	[A] 7.3	[A] 1.2	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 1.8	[A] < 0.10	[A] 1.8
Chrysene	M	2700	mg/kg	0.10	[A] 8.6	[A] 1.5	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 2.6	[A] < 0.10	[A] 1.8
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	[A] 12	[A] 1.5	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 1.8	[A] < 0.10	[A] 3.1
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	[A] 4.8	[A] 0.96	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 0.68	[A] < 0.10	[A] 1.0
Benzo[a]pyrene	M	2700	mg/kg	0.10	[A] 9.9	[A] 2.0	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 1.1	[A] < 0.10	[A] 2.5
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	[A] 7.7	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 1.7
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	[A] 2.0	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 0.74
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	[A] 11	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] < 0.10	[A] 3.2
Total Of 16 PAH's	M	2700	mg/kg	2.0	[A] 95	[A] 11	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] 19	[A] < 2.0	[A] 24
Dichlorodifluoromethane	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Chloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Vinyl Chloride	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromomethane	M	2760	µg/kg	20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20	[A] < 20
Chloroethane	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Trichlorofluoromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Trans 1,2-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloroethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromochloromethane	U	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
Trichloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1,1-Trichloroethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tetrachloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Benzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichloroethane	M	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Trichloroethene	N	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichloropropane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Dibromomethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466273	1466274	1466275	1466276	1466277	1466278	1466279	1466280	1466281	
Order No.: EX-21-001		Client Sample Ref.:		2	1	1	2	1	2	1	1	2	
		Sample Location:		WS20	WS20	WS21	WS21	WS22	WS23	WS23	WS24	WS24	
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
		Top Depth (m):		0.60	0.30	0.40	1.25	1.10	0.20	0.05	1.00	1.80	
		Bottom Depth (m):		1.00	0.40	0.60	1.50	1.30	0.40	0.05	1.20	2.00	
		Asbestos Lab:		DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM		
Determinand	Accred.	SOP	Units	LOD									
Bromodichloromethane	M	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
Toluene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
1,1,2-Trichloroethane	M	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
Tetrachloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Dibromochloromethane	U	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10	[A] < 10
1,2-Dibromoethane	M	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
Chlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Ethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
m & p-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
o-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Styrene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tribromomethane	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Isopropylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50
N-Propylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
2-Chlorotoluene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,4-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50	[A] < 50
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Nitrosodimethylamine	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50		
Phenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50		

## Results - Soil

Project: EX-21-001 Canford Energy Park

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466273	1466274	1466275	1466276	1466277	1466278	1466279	1466280	1466281
Order No.: EX-21-001		Client Sample Ref.:		2	1	1	2	1	2	1	1	2
		Sample Location:		WS20	WS20	WS21	WS21	WS22	WS23	WS23	WS24	WS24
		Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Top Depth (m):		0.60	0.30	0.40	1.25	1.10	0.20	0.05	1.00	1.80
		Bottom Depth (m):		1.00	0.40	0.60	1.50	1.30	0.40	0.05	1.20	2.00
		Asbestos Lab:		DURHAM	DURHAM	DURHAM		DURHAM	DURHAM	DURHAM	DURHAM	
Determinand	Accred.	SOP	Units	LOD								
2-Chlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Bis-(2-Chloroethyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
1,3-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
1,2-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Bis(2-Chloroisopropyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Hexachloroethane	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
N-Nitrosodi-n-propylamine	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
4-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] 1.4	
Nitrobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Isophorone	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2,4-Dimethylphenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Bis(2-Chloroethoxy)Methane	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2,4-Dichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
1,2,4-Trichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Naphthalene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
4-Chloroaniline	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Hexachlorobutadiene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
4-Chloro-3-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2-Methylnaphthalene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
4-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2,4,6-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2,4,5-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2-Chloronaphthalene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Acenaphthylene	M	2790	mg/kg	0.50	[A] 1.0	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Dimethylphthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2,6-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Acenaphthene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
3-Nitroaniline	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Dibenzofuran	M	2790	mg/kg	0.50	[A] 0.51	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
4-Chlorophenylphenylether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2,4-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Fluorene	M	2790	mg/kg	0.50	[A] 0.58	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Diethyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.: 22-26298										
Quotation No.:		Chemtest Sample ID.:										
Order No.: EX-21-001		Client Sample Ref.:										
		Sample Location:										
		Sample Type:										
		Top Depth (m):										
		Bottom Depth (m):										
		Asbestos Lab:										
Determinand	Accred.	SOP	Units	LOD	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298	22-26298
4-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Azobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
4-Bromophenylphenyl Ether	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Hexachlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Pentachlorophenol	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Phenanthrene	M	2790	mg/kg	0.50	[A] 12	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Anthracene	M	2790	mg/kg	0.50	[A] 3.7	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Carbazole	M	2790	mg/kg	0.50	[A] 1.3	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Di-N-Butyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Fluoranthene	M	2790	mg/kg	0.50	[A] 38	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Pyrene	M	2790	mg/kg	0.50	[A] 30	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Butylbenzyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Benzo[a]anthracene	M	2790	mg/kg	0.50	[A] 18	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Chrysene	M	2790	mg/kg	0.50	[A] 10	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Di-N-Octyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Benzo[b]fluoranthene	M	2790	mg/kg	0.50	[A] 21	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Benzo[k]fluoranthene	M	2790	mg/kg	0.50	[A] 4.5	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Benzo[a]pyrene	M	2790	mg/kg	0.50	[A] 9.5	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Indeno(1,2,3-c,d)Pyrene	M	2790	mg/kg	0.50	[A] 5.6	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Dibenz(a,h)Anthracene	M	2790	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Benzo[g,h,i]perylene	M	2790	mg/kg	0.50	[A] 5.6	[A] < 0.50	[A] < 0.50		[A] < 0.50	[A] < 0.50	[A] < 0.50	
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	0.24	< 0.10	< 0.10	0.30	0.23	< 0.10 < 0.10

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	
Quotation No.:		Chemtest Sample ID.:		1466282	1466283	1466284	
Order No.: EX-21-001		Client Sample Ref.:		1	1		
		Sample Location:		WS25	W2S26	WS19	
		Sample Type:		SOIL	SOIL	SOIL	
		Top Depth (m):		1.30	1.80	0.60	
		Bottom Depth (m):		1.50	1.95	0.80	
		Asbestos Lab:				DURHAM	
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A		-	
Asbestos Identification	U	2192		N/A		No Asbestos Detected	
Moisture	N	2030	%	0.020	13	11	8.8
Chromatogram (TPH)	N			N/A	See Attached		See Attached
pH	M	2010		4.0	[A] 7.9	[A] 7.8	[A] 9.6
Cyanide (Total)	M	2300	mg/kg	0.50	[A] < 0.50	[A] < 0.50	[A] < 0.50
Sulphate (Total)	U	2430	%	0.010	[A] 0.062	[A] 0.35	[A] 0.15
Arsenic	M	2455	mg/kg	0.5	2.7	3.7	5.8
Cadmium	M	2455	mg/kg	0.10	< 0.10	< 0.10	0.20
Chromium	M	2455	mg/kg	0.5	6.2	9.5	10
Copper	M	2455	mg/kg	0.50	6.9	4.6	11
Mercury	M	2455	mg/kg	0.05	< 0.05	< 0.05	0.07
Nickel	M	2455	mg/kg	0.50	3.3	0.78	4.2
Lead	M	2455	mg/kg	0.50	14	8.9	27
Selenium	M	2455	mg/kg	0.25	0.26	0.36	0.36
Zinc	M	2455	mg/kg	0.50	27	6.4	37
Chromium (Trivalent)	N	2490	mg/kg	1.0	6.2	9.5	10
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50
Organic Matter	M	2625	%	0.40	[A] < 0.40	[A] 2.9	[A] 2.2
Aliphatic TPH >C5-C6	N	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aliphatic TPH >C6-C8	N	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aliphatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aliphatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aliphatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aliphatic TPH >C16-C21	M	2680	mg/kg	1.0	[A] < 1.0		[A] 11
Aliphatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] < 1.0		[A] 87
Aliphatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Total Aliphatic Hydrocarbons	N	2680	mg/kg	5.0	[A] < 5.0		[A] 99
Aromatic TPH >C5-C7	N	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aromatic TPH >C7-C8	N	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aromatic TPH >C8-C10	M	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aromatic TPH >C10-C12	M	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aromatic TPH >C12-C16	M	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aromatic TPH >C16-C21	U	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Aromatic TPH >C21-C35	M	2680	mg/kg	1.0	[A] < 1.0		[A] 180
Aromatic TPH >C35-C44	N	2680	mg/kg	1.0	[A] < 1.0		[A] < 1.0
Total Aromatic Hydrocarbons	N	2680	mg/kg	5.0	[A] < 5.0		[A] 180



## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:		1466282	1466283	1466284
Order No.: EX-21-001		Client Sample Ref.:		1	1	
		Sample Location:		WS25	W2S26	WS19
		Sample Type:		SOIL	SOIL	SOIL
		Top Depth (m):		1.30	1.80	0.60
		Bottom Depth (m):		1.50	1.95	0.80
		Asbestos Lab:				DURHAM
Determinand	Accred.	SOP	Units	LOD		
Total Petroleum Hydrocarbons	N	2680	mg/kg	10.0	[A] < 10	[A] 280
Naphthalene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 3.0
Acenaphthylene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 0.33
Acenaphthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 0.40
Fluorene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 0.45
Phenanthrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 7.9
Anthracene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 2.4
Fluoranthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 19
Pyrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 18
Benzo[a]anthracene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 9.6
Chrysene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 11
Benzo[b]fluoranthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 13
Benzo[k]fluoranthene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 4.4
Benzo[a]pyrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 9.3
Indeno(1,2,3-c,d)Pyrene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 6.6
Dibenz(a,h)Anthracene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 1.4
Benzo[g,h,i]perylene	M	2700	mg/kg	0.10	[A] < 0.10	[A] 6.1
Total Of 16 PAH's	M	2700	mg/kg	2.0	[A] < 2.0	[A] 110
Dichlorodifluoromethane	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Chloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Vinyl Chloride	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Bromomethane	M	2760	µg/kg	20	[A] < 20	[A] < 20
Chloroethane	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0
Trichlorofluoromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Trans 1,2-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloroethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
cis 1,2-Dichloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Bromochloromethane	U	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0
Trichloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
1,1,1-Trichloroethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Tetrachloromethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
1,1-Dichloropropene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Benzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
1,2-Dichloroethane	M	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0
Trichloroethene	N	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
1,2-Dichloropropane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0
Dibromomethane	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

Client: Terra Firma		Chemtest Job No.:		22-26298	22-26298	22-26298	
Quotation No.:		Chemtest Sample ID.:		1466282	1466283	1466284	
Order No.: EX-21-001		Client Sample Ref.:		1	1		
		Sample Location:		WS25	W2S26	WS19	
		Sample Type:		SOIL	SOIL	SOIL	
		Top Depth (m):		1.30	1.80	0.60	
		Bottom Depth (m):		1.50	1.95	0.80	
		Asbestos Lab:				DURHAM	
Determinand	Accred.	SOP	Units	LOD			
Bromodichloromethane	M	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
cis-1,3-Dichloropropene	N	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10
Toluene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Trans-1,3-Dichloropropene	N	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10
1,1,2-Trichloroethane	M	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10
Tetrachloroethene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichloropropane	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Dibromochloromethane	U	2760	µg/kg	10	[A] < 10	[A] < 10	[A] < 10
1,2-Dibromoethane	M	2760	µg/kg	5.0	[A] < 5.0	[A] < 5.0	[A] < 5.0
Chlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,1,1,2-Tetrachloroethane	M	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Ethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
m & p-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
o-Xylene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Styrene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tribromomethane	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Isopropylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Bromobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichloropropane	N	2760	µg/kg	50	[A] < 50	[A] < 50	[A] < 50
N-Propylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
2-Chlorotoluene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3,5-Trimethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Chlorotoluene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Tert-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,4-Trimethylbenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Sec-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,3-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
4-Isopropyltoluene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,4-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Butylbenzene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2-Dibromo-3-Chloropropane	U	2760	µg/kg	50	[A] < 50	[A] < 50	[A] < 50
1,2,4-Trichlorobenzene	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
Hexachlorobutadiene	U	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
1,2,3-Trichlorobenzene	U	2760	µg/kg	2.0	[A] < 2.0	[A] < 2.0	[A] < 2.0
Methyl Tert-Butyl Ether	M	2760	µg/kg	1.0	[A] < 1.0	[A] < 1.0	[A] < 1.0
N-Nitrosodimethylamine	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Phenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

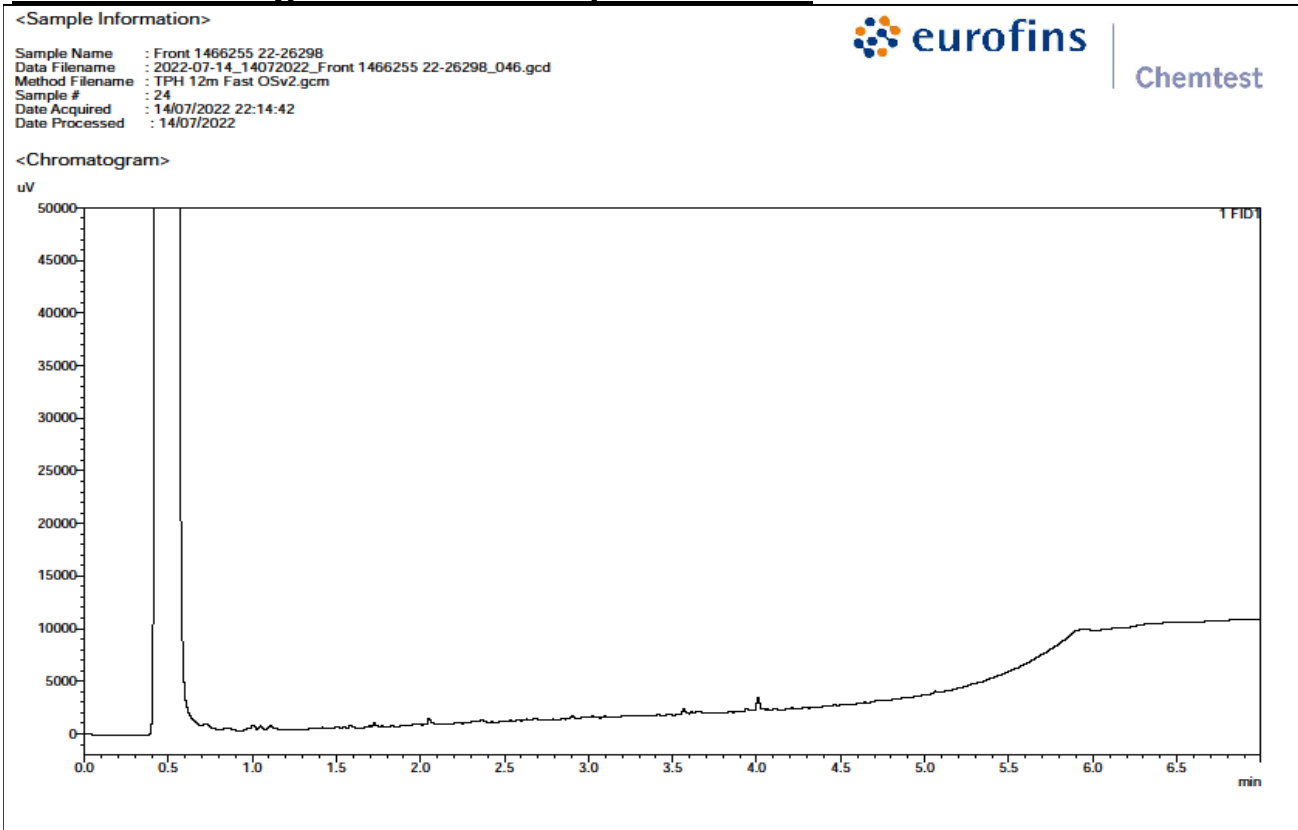
Client: Terra Firma		Chemtest Job No.:			22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:			1466282	1466283	1466284
Order No.: EX-21-001		Client Sample Ref.:			1	1	
		Sample Location:			WS25	W2S26	WS19
		Sample Type:			SOIL	SOIL	SOIL
		Top Depth (m):			1.30	1.80	0.60
		Bottom Depth (m):			1.50	1.95	0.80
		Asbestos Lab:					DURHAM
Determinand	Accred.	SOP	Units	LOD			
2-Chlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Bis-(2-Chloroethyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
1,3-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
1,4-Dichlorobenzene	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
1,2-Dichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Bis(2-Chloroisopropyl)Ether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Hexachloroethane	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
N-Nitrosodi-n-propylamine	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
4-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Nitrobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Isophorone	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2,4-Dimethylphenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Bis(2-Chloroethoxy)Methane	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2,4-Dichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
1,2,4-Trichlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Naphthalene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
4-Chloroaniline	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Hexachlorobutadiene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
4-Chloro-3-Methylphenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2-Methylnaphthalene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
4-Nitrophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Hexachlorocyclopentadiene	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2,4,6-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2,4,5-Trichlorophenol	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2-Chloronaphthalene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Acenaphthylene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Dimethylphthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2,6-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Acenaphthene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
3-Nitroaniline	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Dibenzofuran	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
4-Chlorophenylphenylether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2,4-Dinitrotoluene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Fluorene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Diethyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50

## Results - Soil

**Project: EX-21-001 Canford Energy Park**

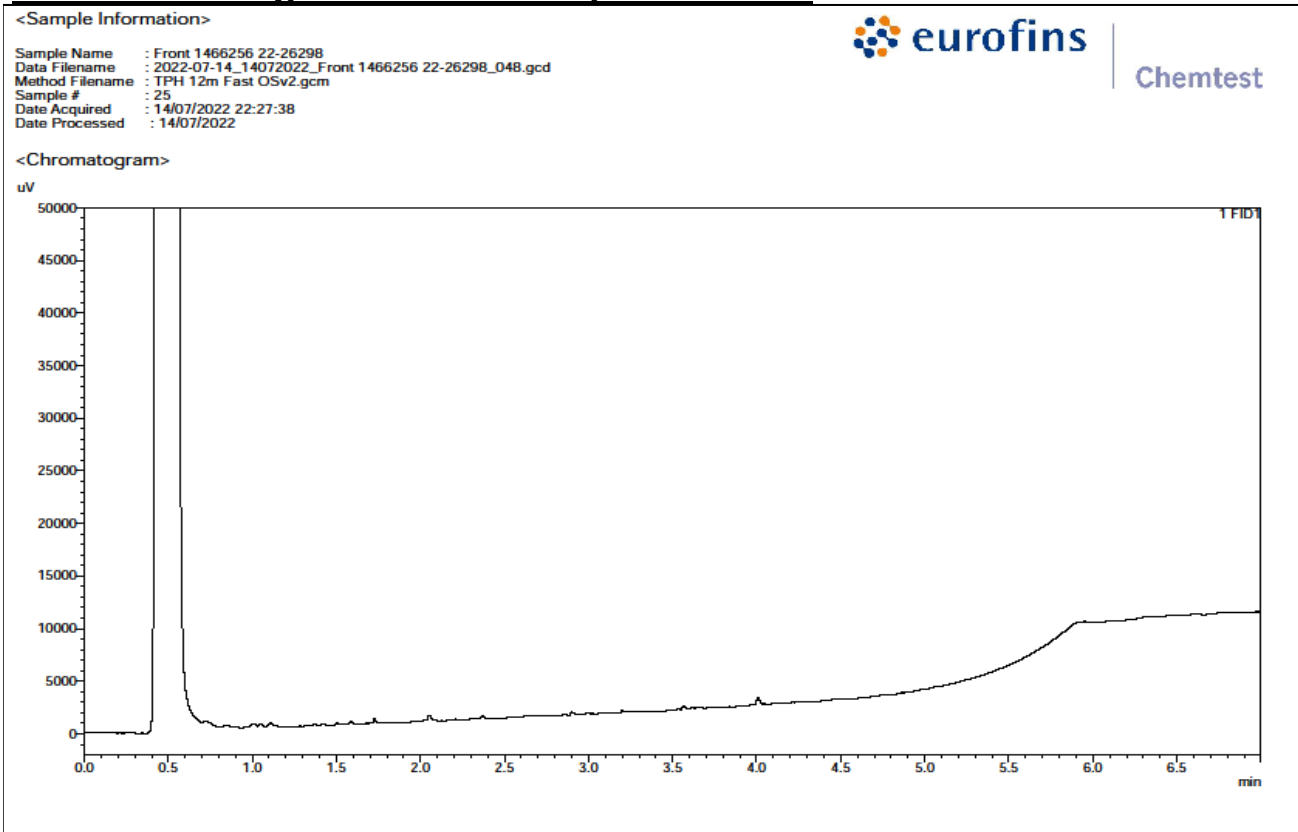
Client: Terra Firma		Chemtest Job No.:			22-26298	22-26298	22-26298
Quotation No.:		Chemtest Sample ID.:			1466282	1466283	1466284
Order No.: EX-21-001		Client Sample Ref.:			1	1	
		Sample Location:			WS25	W2S26	WS19
		Sample Type:			SOIL	SOIL	SOIL
		Top Depth (m):			1.30	1.80	0.60
		Bottom Depth (m):			1.50	1.95	0.80
		Asbestos Lab:					DURHAM
Determinand	Accred.	SOP	Units	LOD			
4-Nitroaniline	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
2-Methyl-4,6-Dinitrophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Azobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
4-Bromophenylphenyl Ether	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Hexachlorobenzene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Pentachlorophenol	N	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Phenanthrene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Anthracene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Carbazole	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Di-N-Butyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 0.92
Pyrene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 0.92
Butylbenzyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Benzo[a]anthracene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 0.69
Chrysene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 0.83
Bis(2-Ethylhexyl)Phthalate	N	2790	mg/kg	0.50	[A] < 0.50		[A] 1.2
Di-N-Octyl Phthalate	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Benzo[b]fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 1.5
Benzo[k]fluoranthene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 0.52
Benzo[a]pyrene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 1.0
Indeno(1,2,3-c,d)Pyrene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 0.83
Dibenzo(a,h)Anthracene	M	2790	mg/kg	0.50	[A] < 0.50		[A] < 0.50
Benzo[g,h,i]perylene	M	2790	mg/kg	0.50	[A] < 0.50		[A] 0.95
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10

# TPH Chromatogram on Soil Sample: 1466255

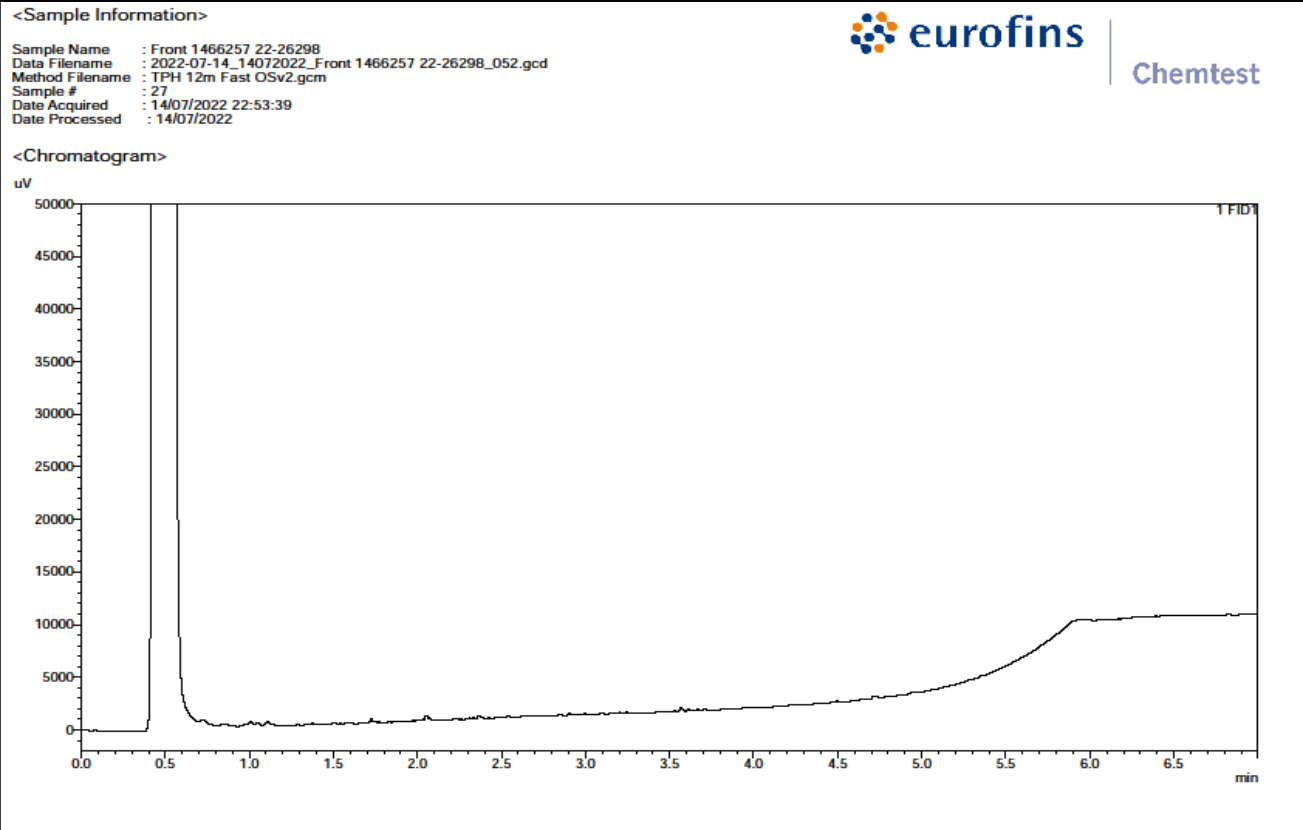




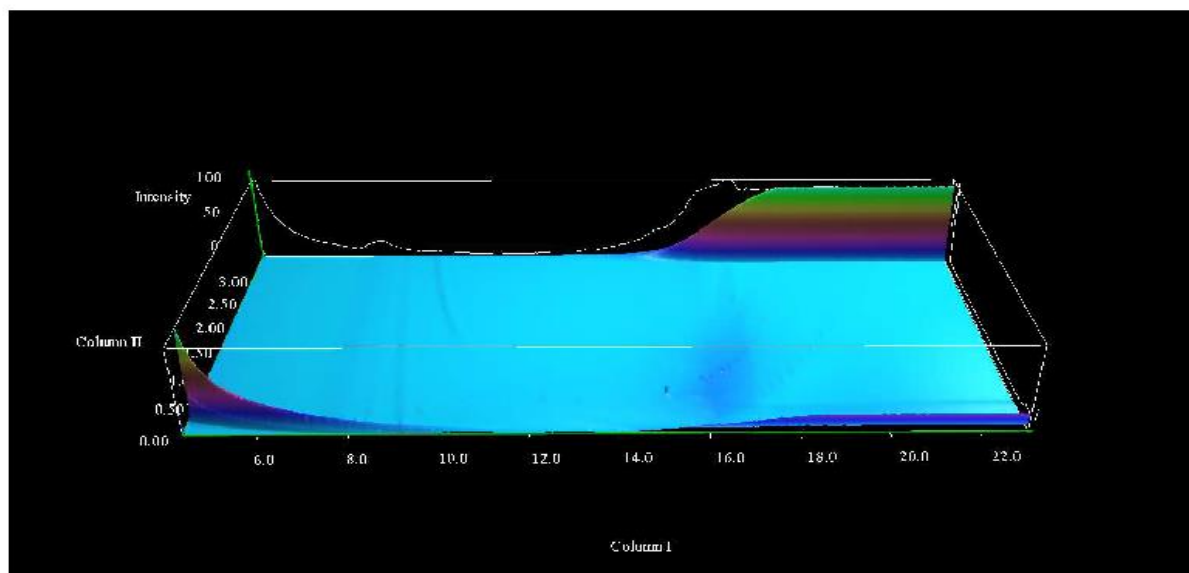
# TPH Chromatogram on Soil Sample: 1466256



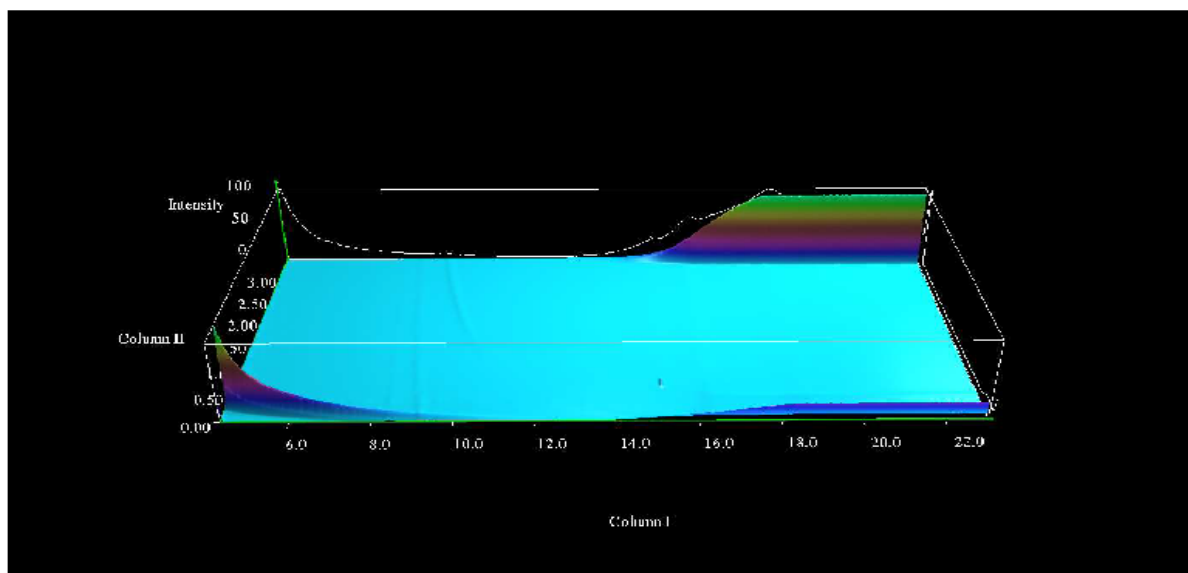
# TPH Chromatogram on Soil Sample: 1466257



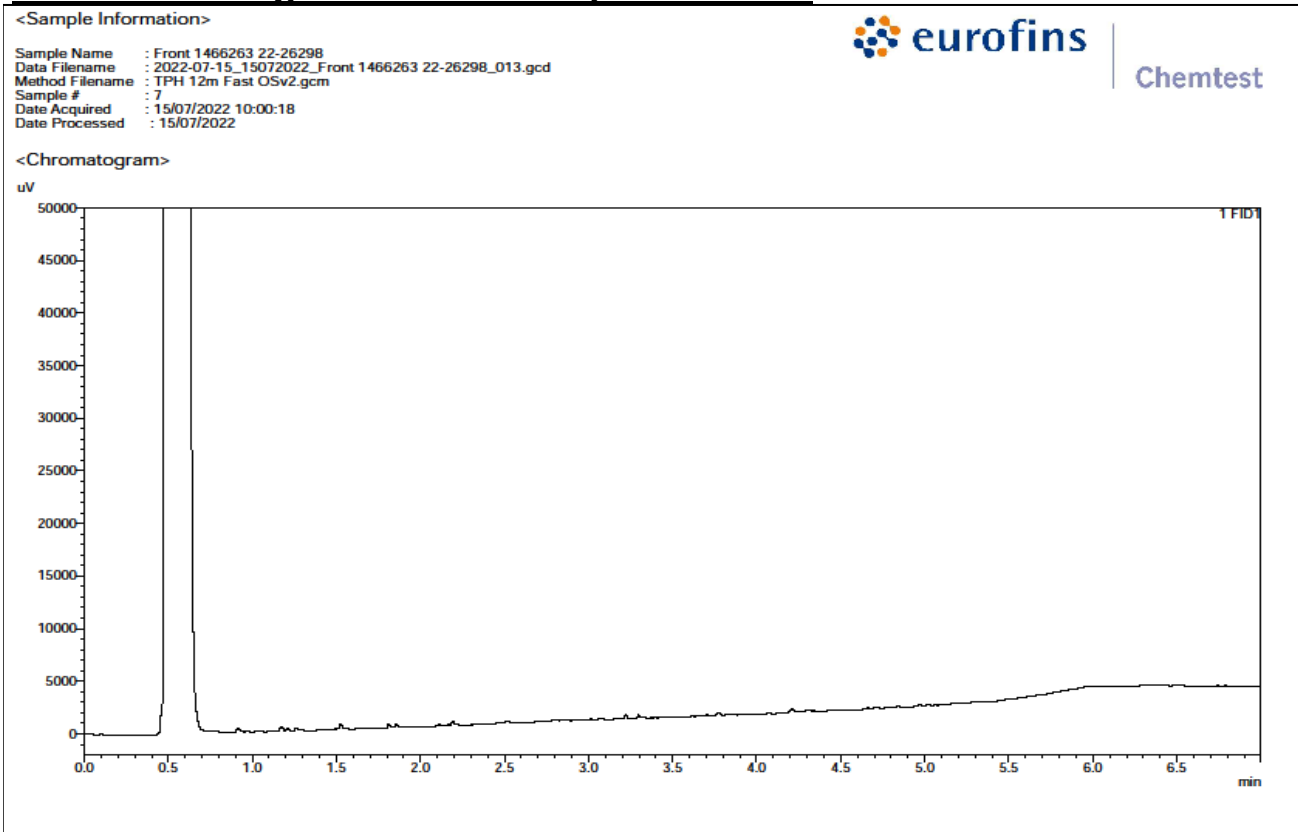
# TPH Chromatogram on Soil Sample: 1466259



# TPH Chromatogram on Soil Sample: 1466262

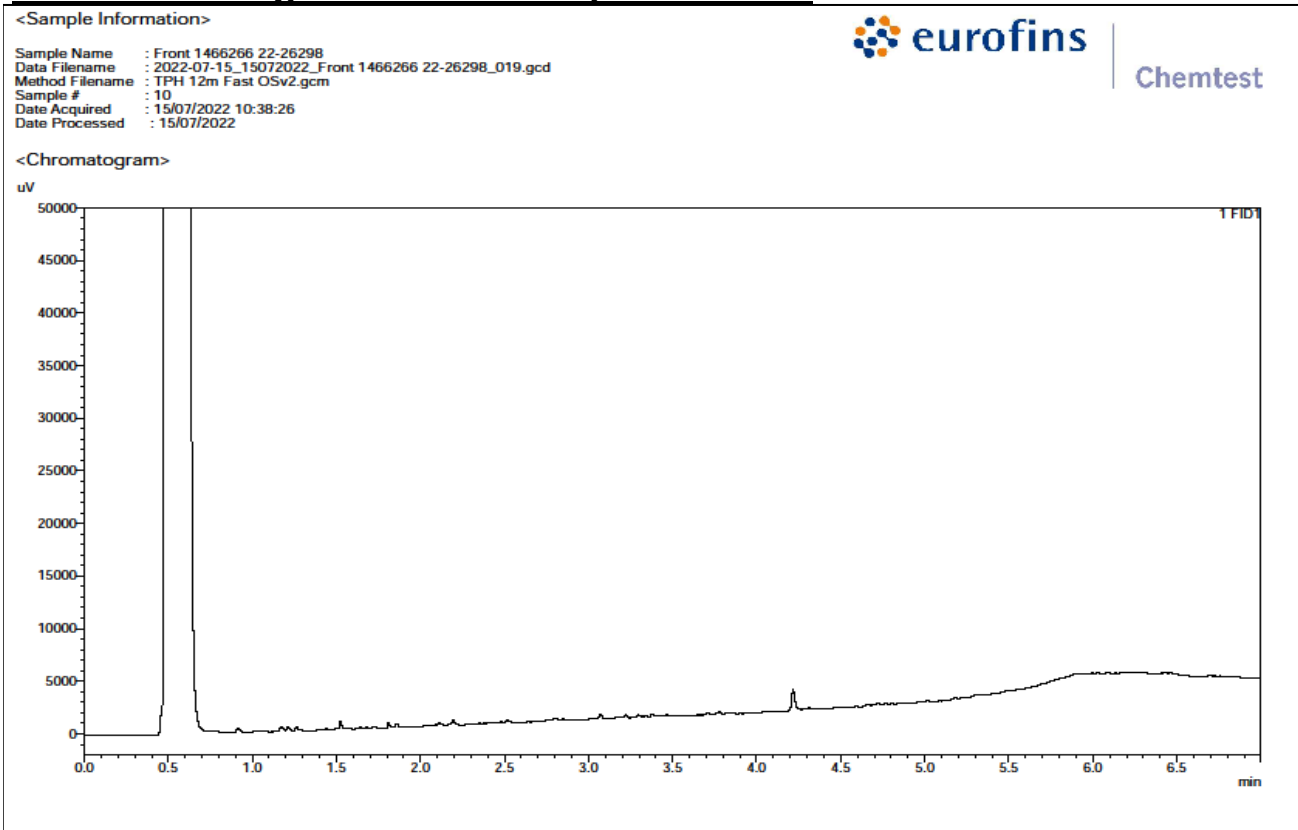


# TPH Chromatogram on Soil Sample: 1466263

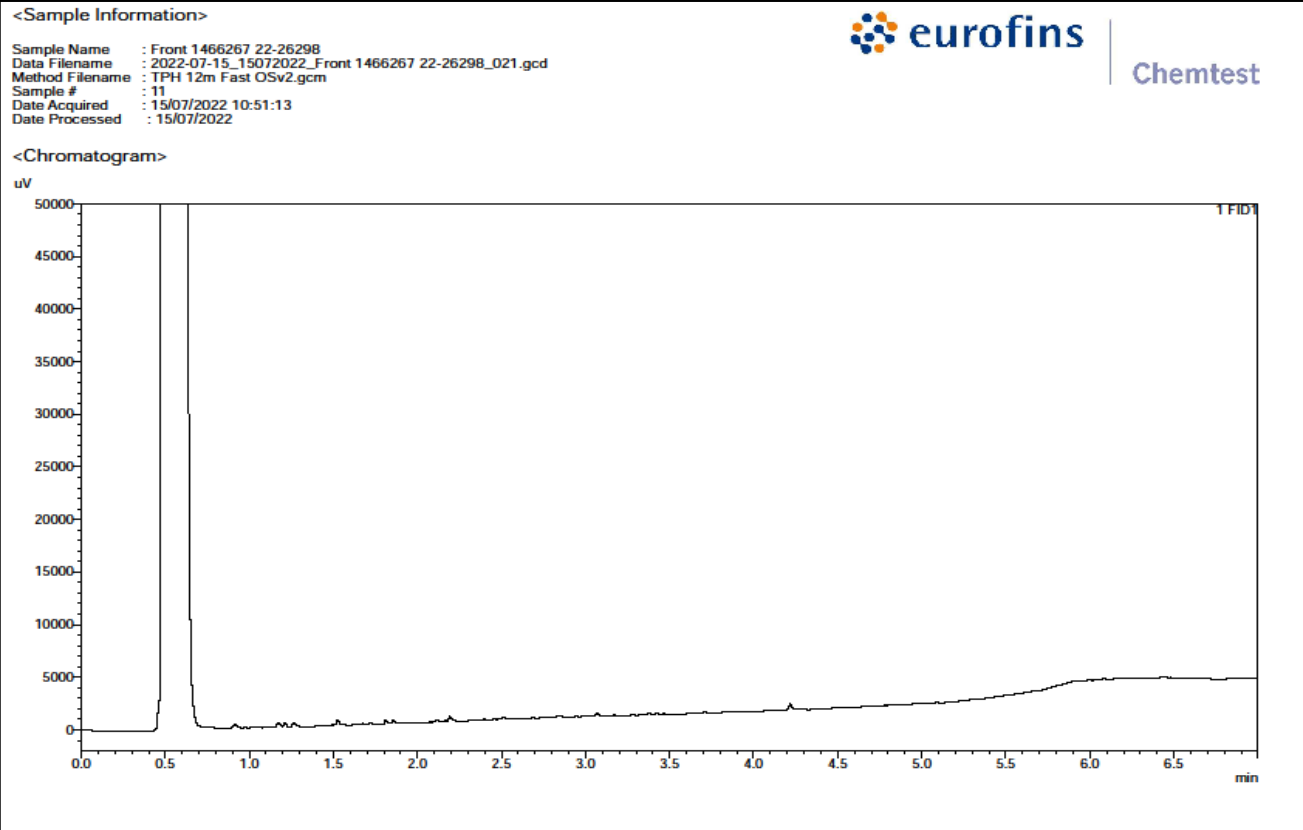




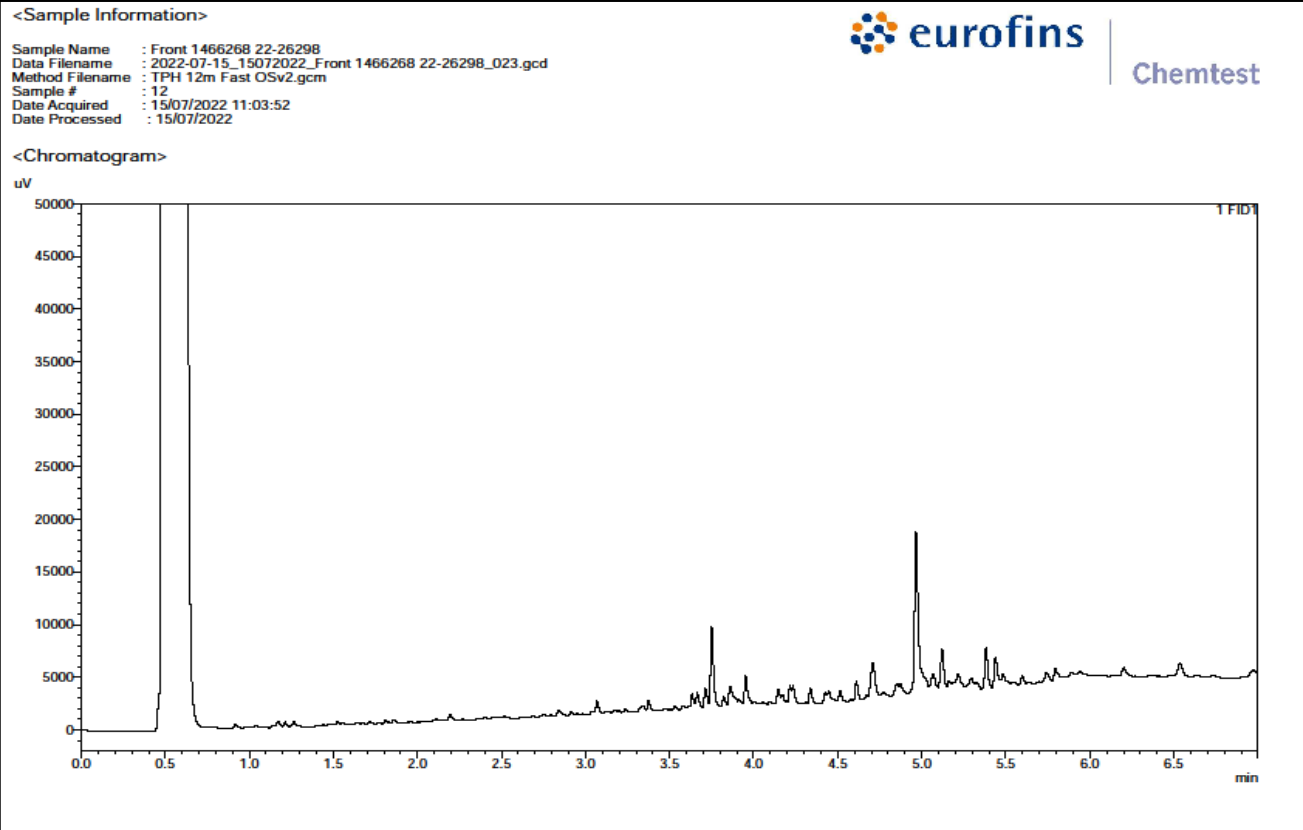
# TPH Chromatogram on Soil Sample: 1466266



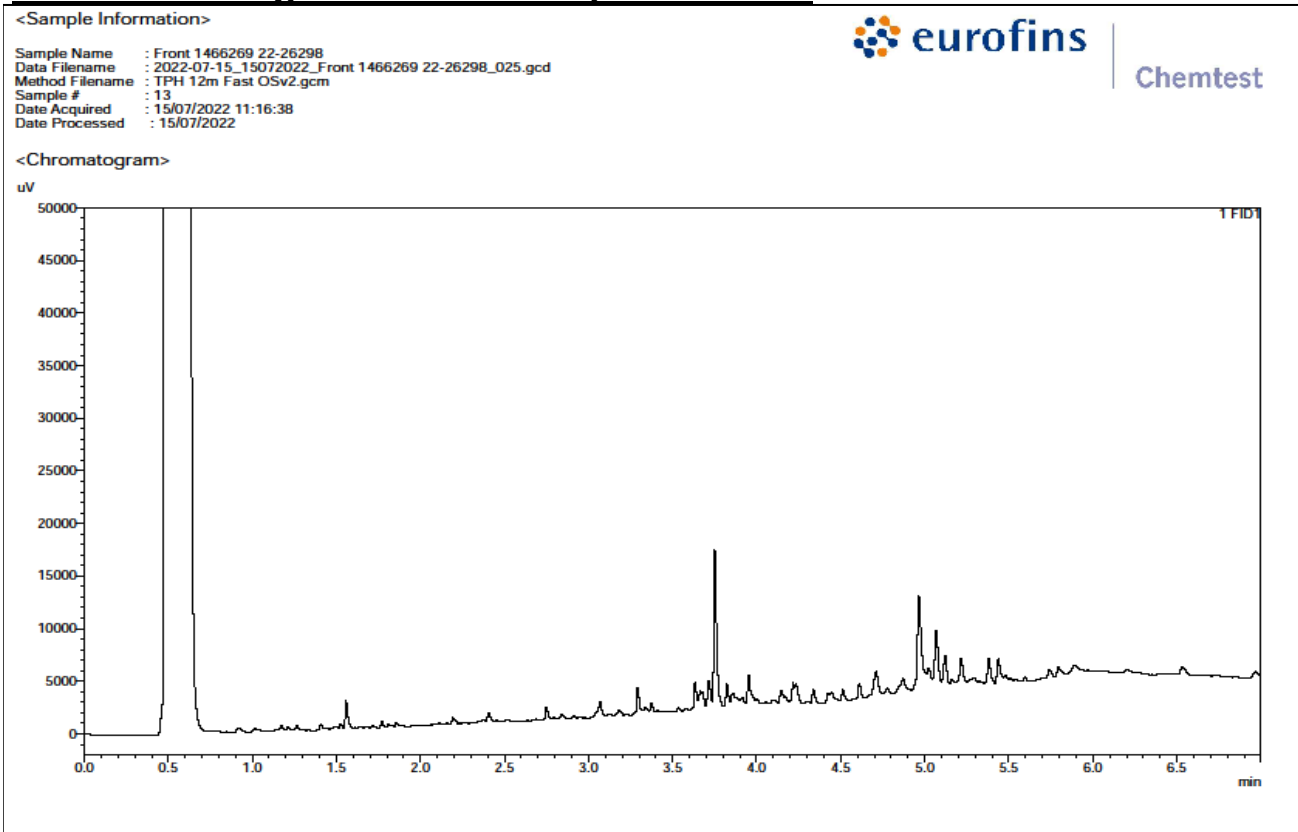
# TPH Chromatogram on Soil Sample: 1466267



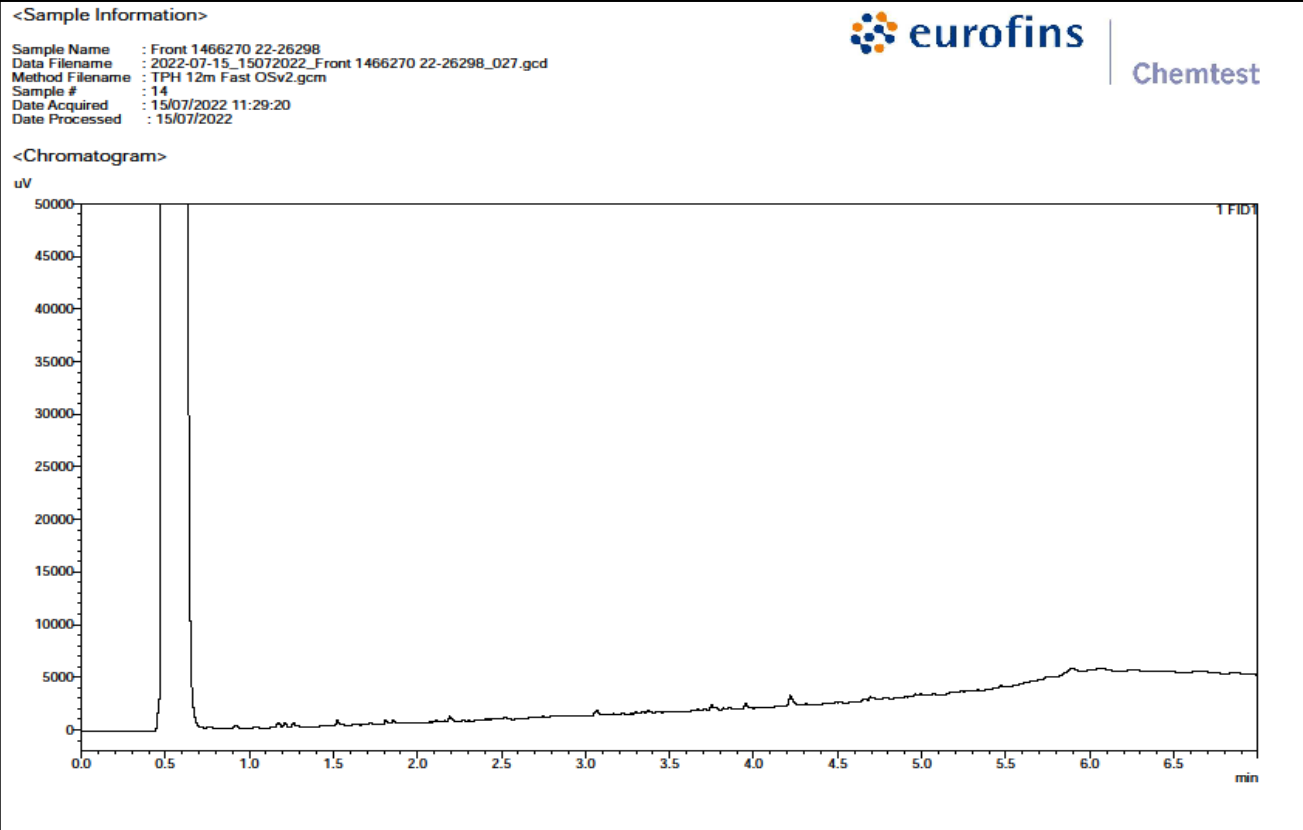
# TPH Chromatogram on Soil Sample: 1466268



# TPH Chromatogram on Soil Sample: 1466269

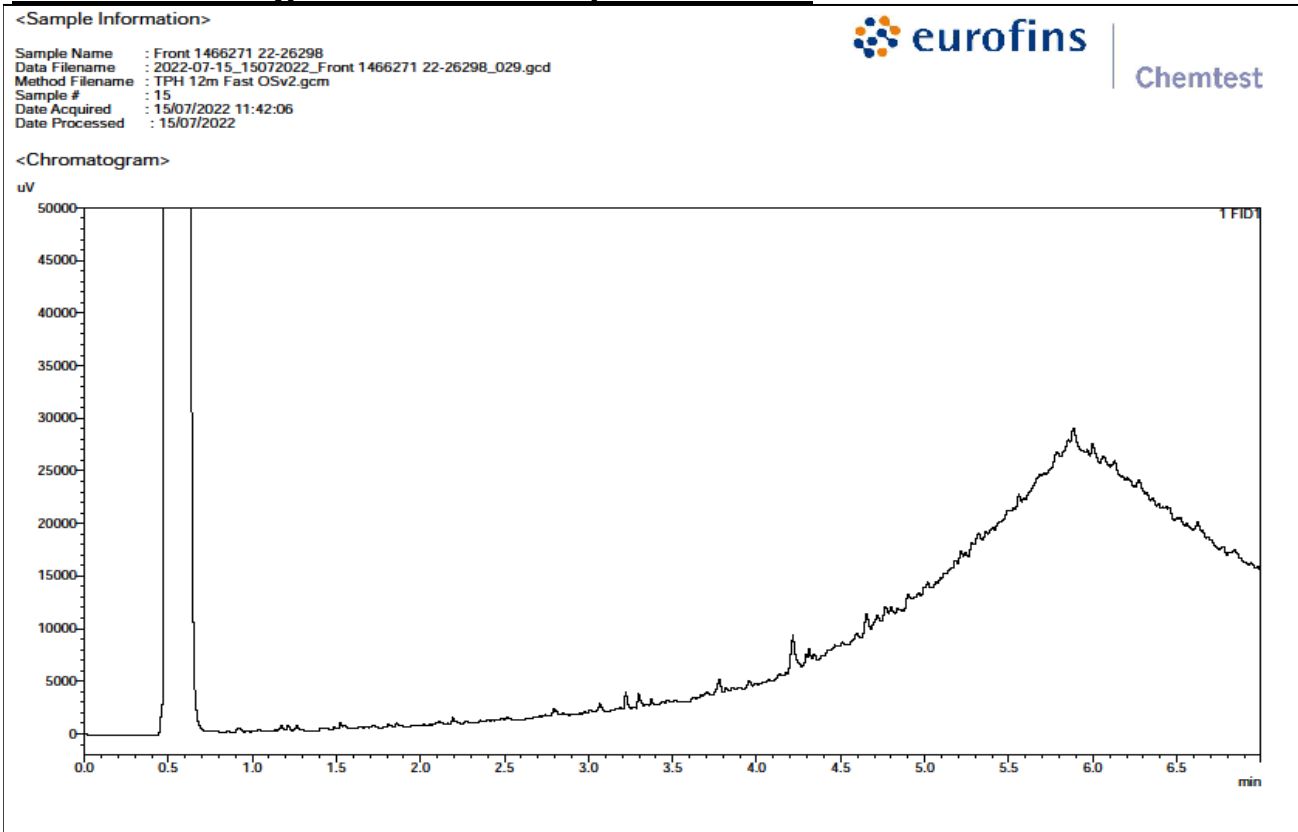


# TPH Chromatogram on Soil Sample: 1466270

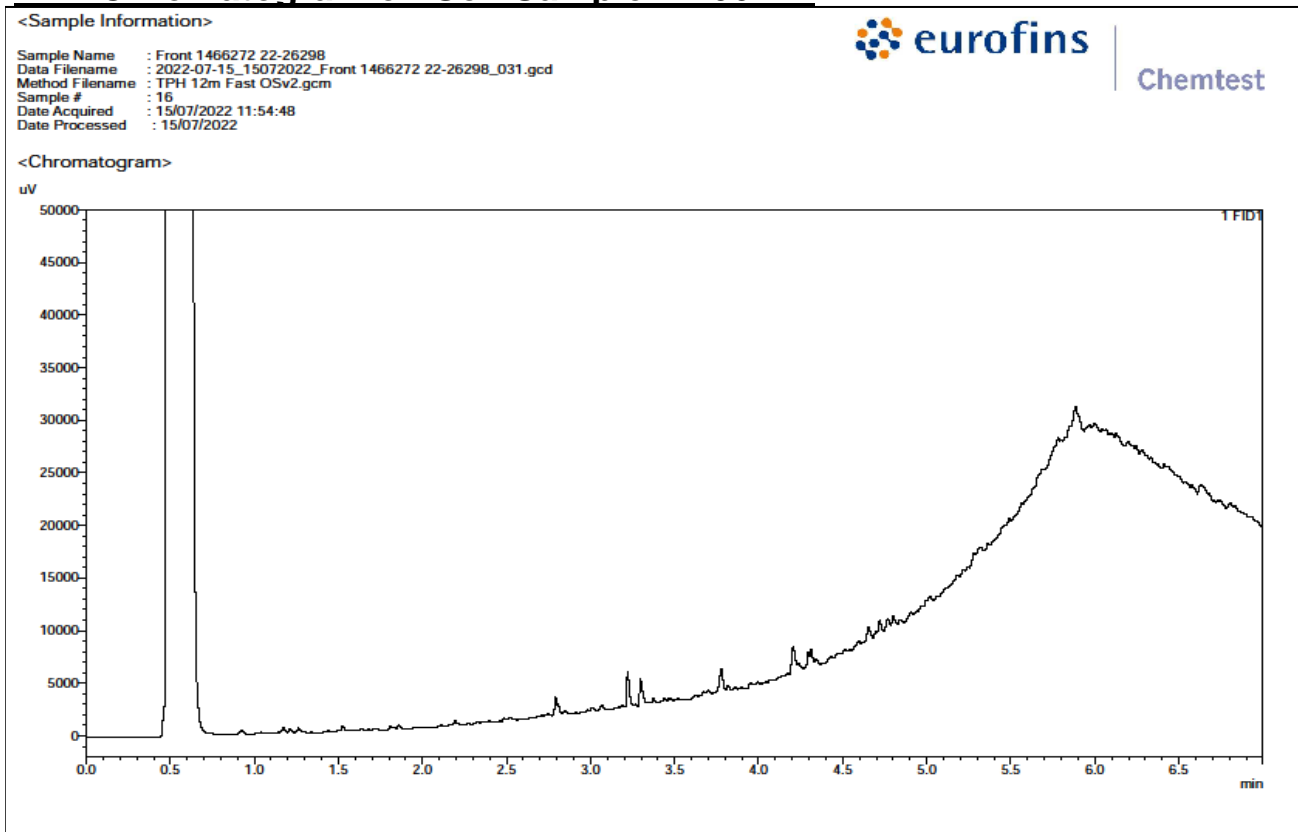




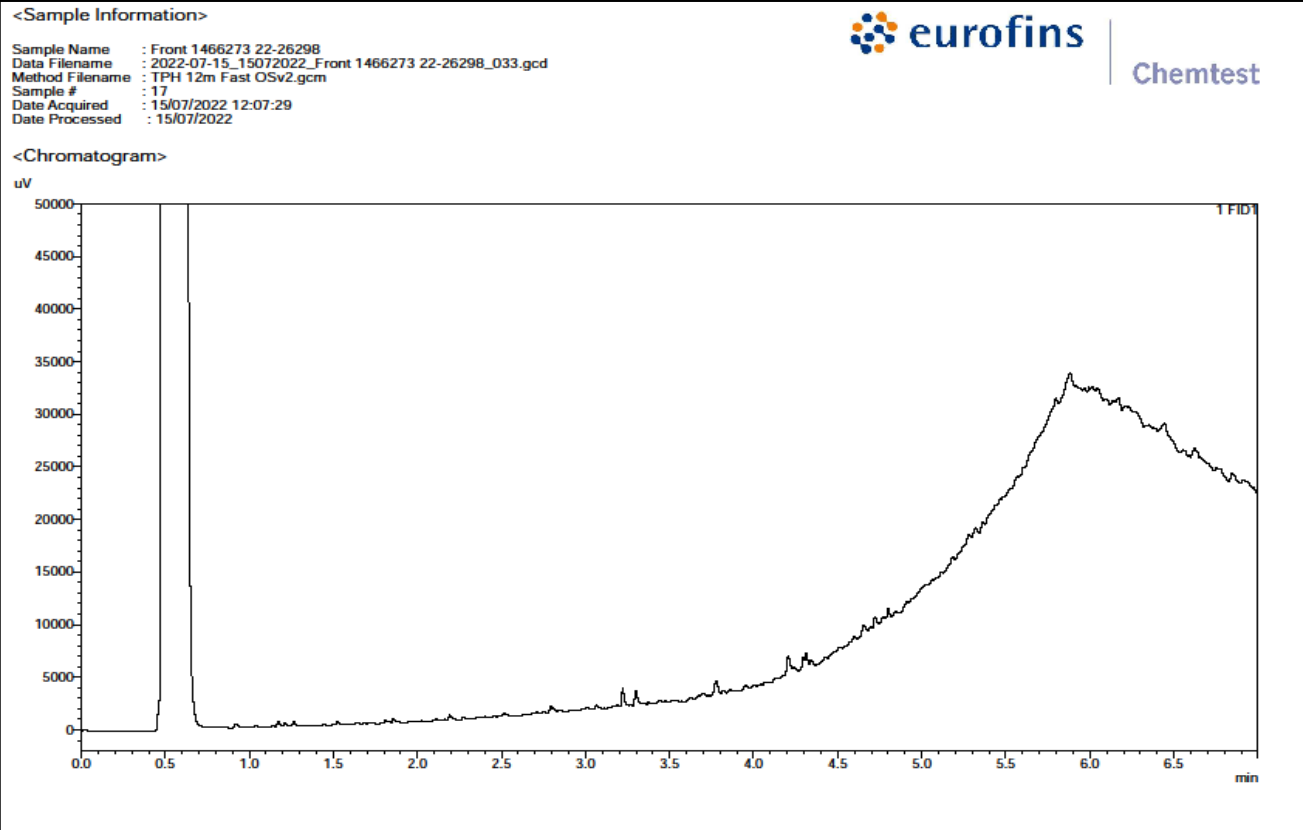
# TPH Chromatogram on Soil Sample: 1466271



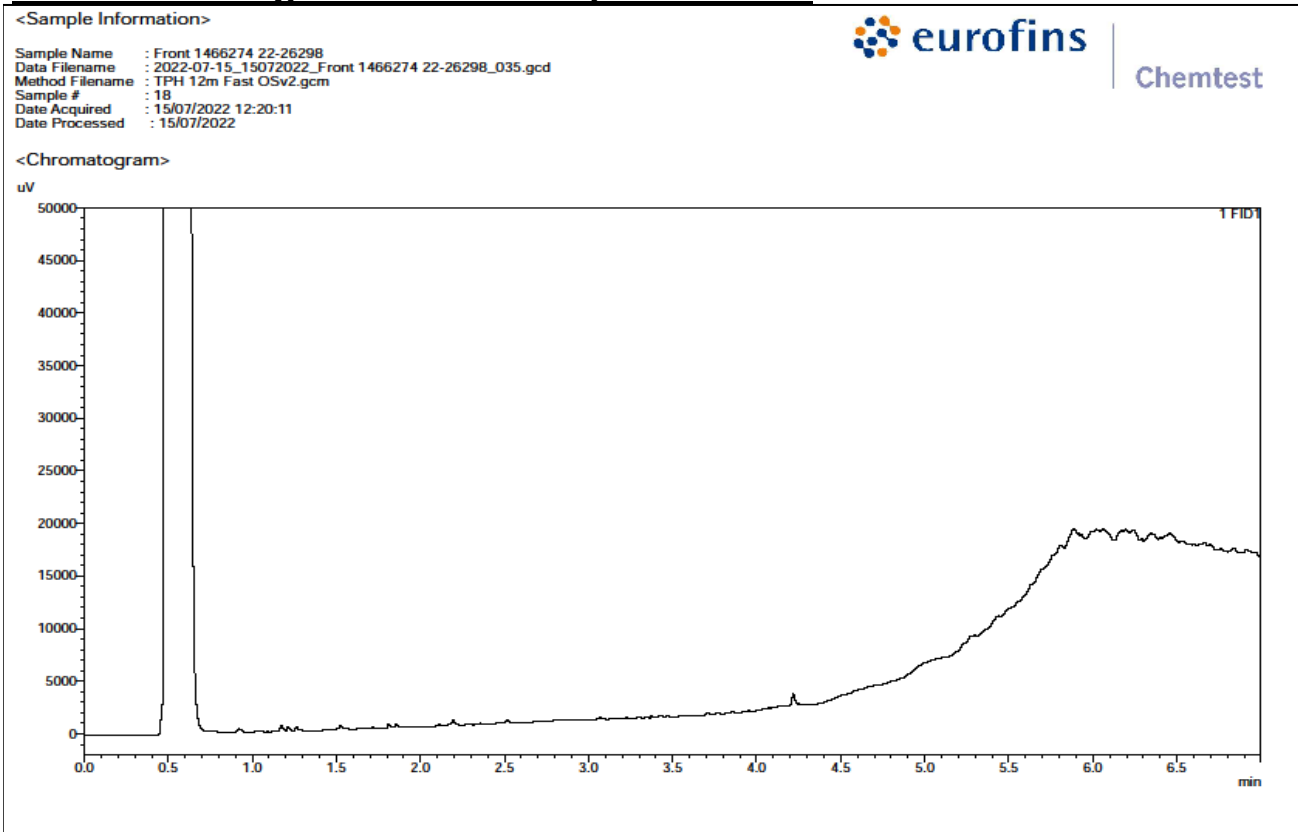
# TPH Chromatogram on Soil Sample: 1466272



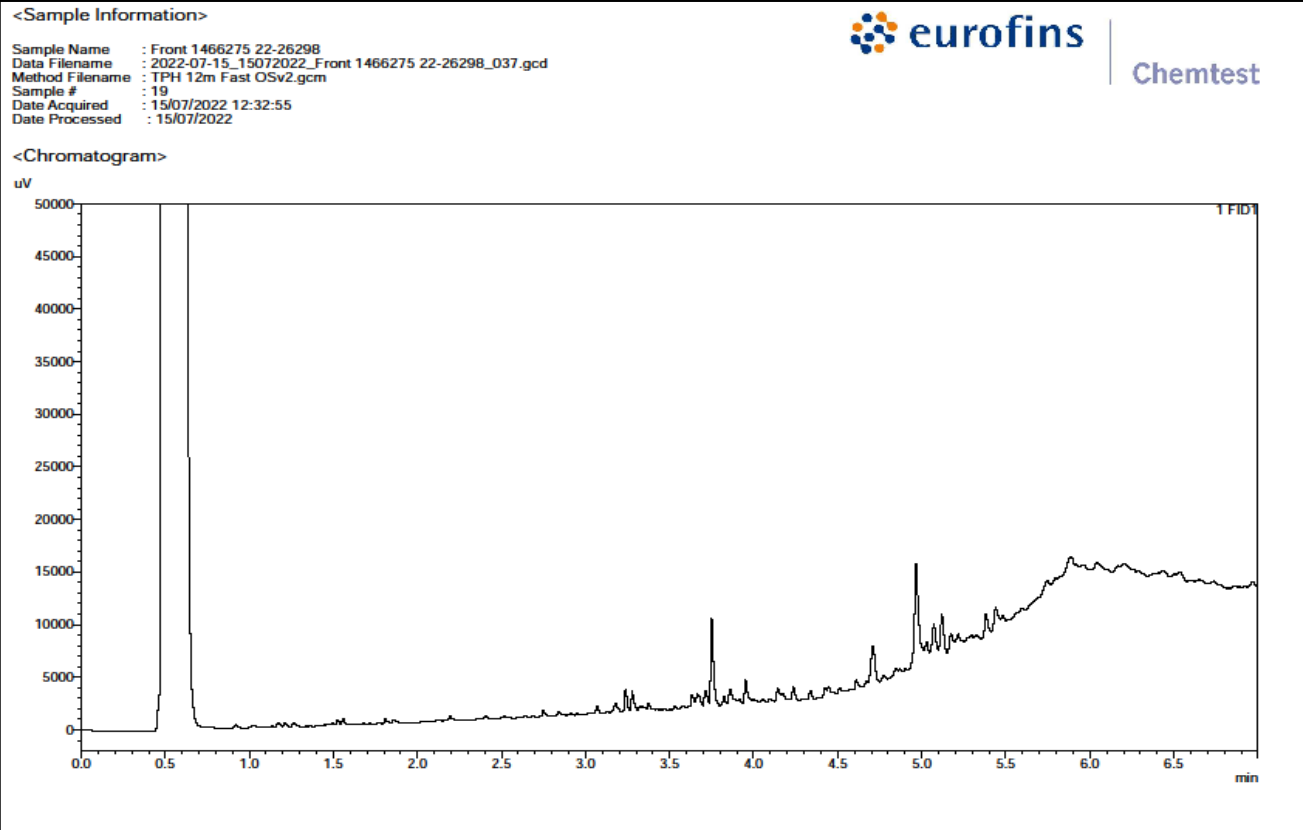
# TPH Chromatogram on Soil Sample: 1466273



# TPH Chromatogram on Soil Sample: 1466274

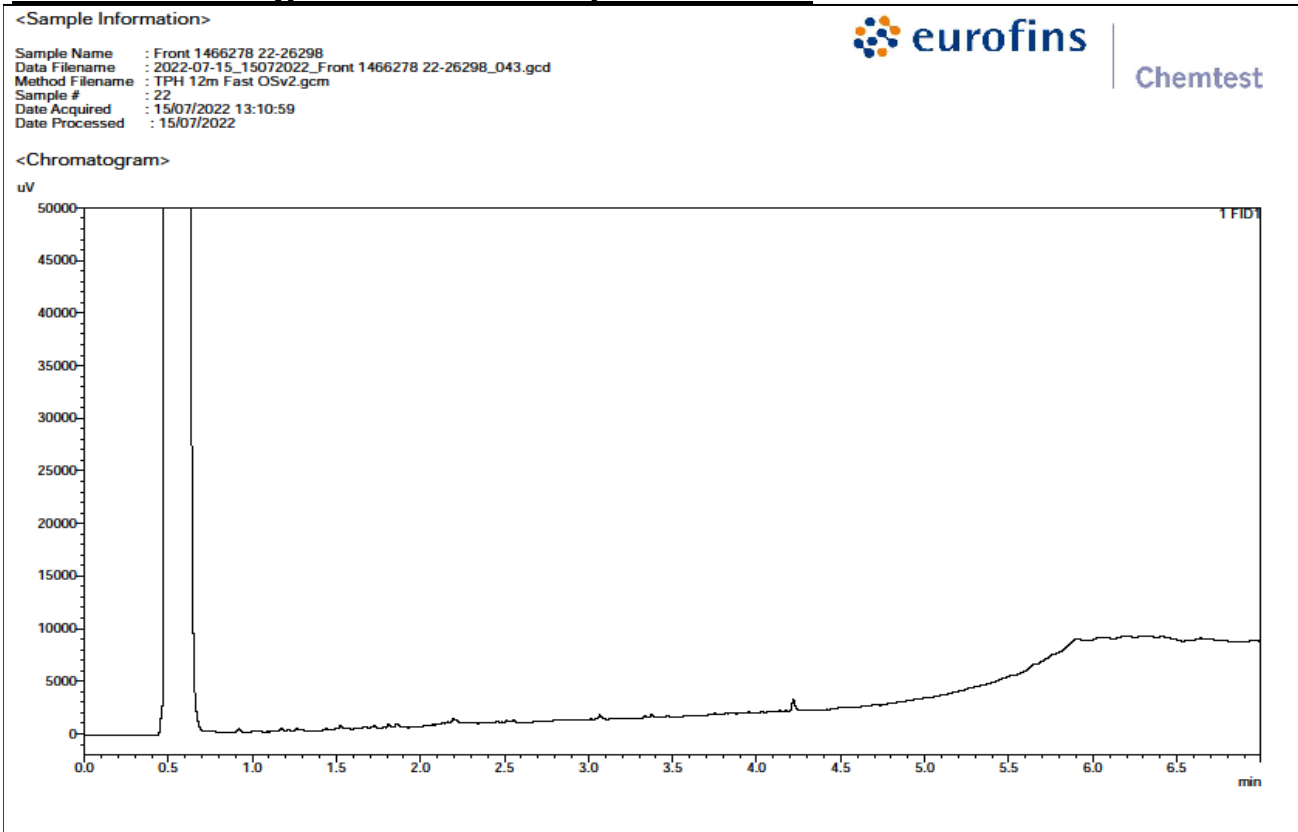


# TPH Chromatogram on Soil Sample: 1466275

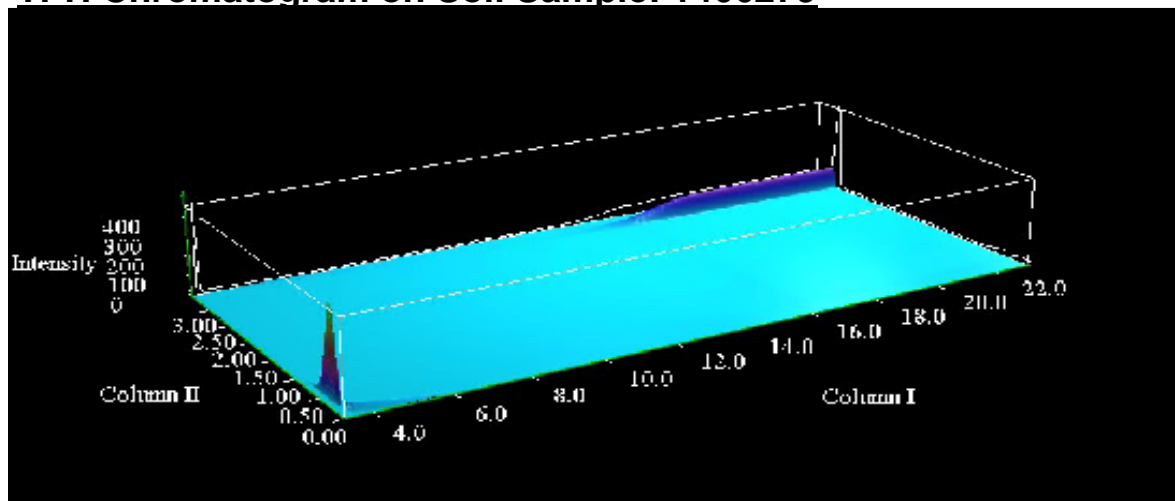




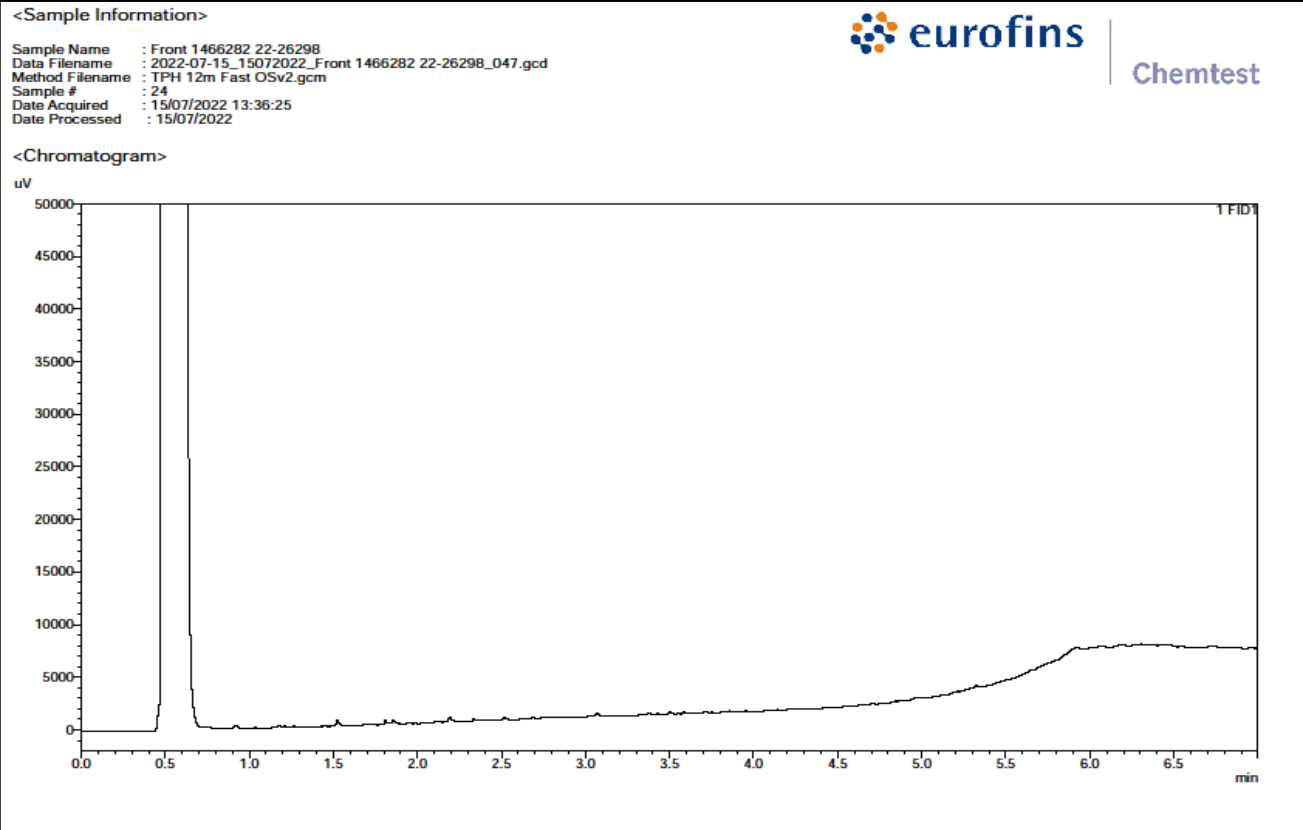
# TPH Chromatogram on Soil Sample: 1466278



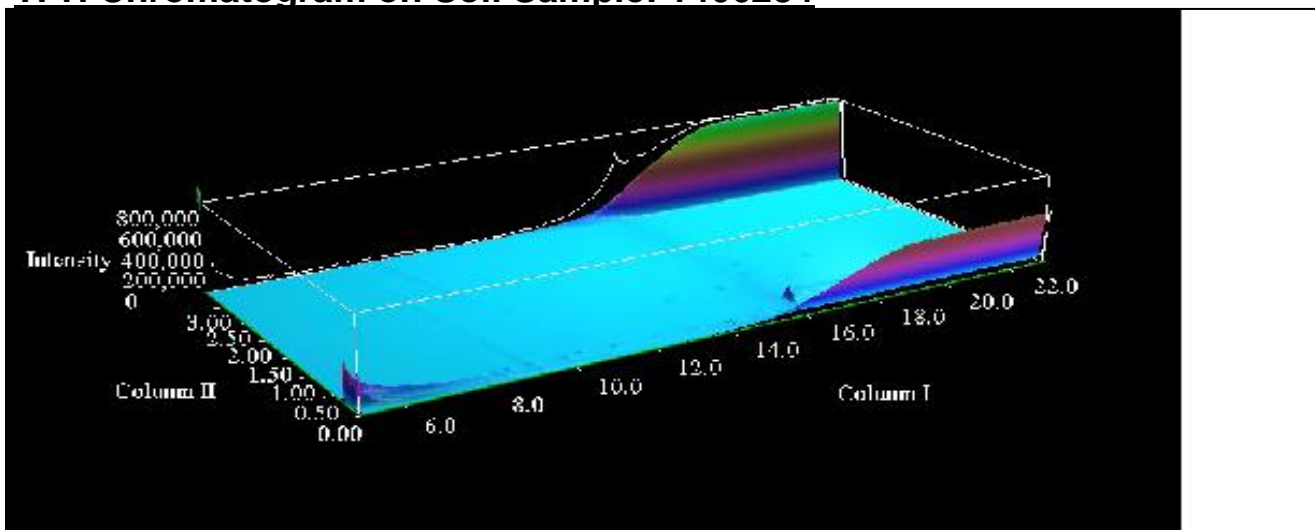
# TPH Chromatogram on Soil Sample: 1466279



# TPH Chromatogram on Soil Sample: 1466282



# TPH Chromatogram on Soil Sample: 1466284



## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298 Chemtest Sample ID: 1466256 Sample Ref: 1 Sample ID: Sample Location: WS01 Top Depth(m): 0.10 Bottom Depth(m): 0.30 Sampling Date:				Landfill Waste Acceptance Criteria			
				Limits			
				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill	
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	[A] 1.3	3	5	6
Loss On Ignition	2610	M	%	3.1	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] < 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	8.5	100	--	--
pH	2010	M		9.0	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0020	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0017	0.018	0.5	2	25
Barium	1455	U	0.014	0.14	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0058	0.058	0.5	10	70
Copper	1455	U	0.011	0.11	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	< 0.0002	< 0.0002	0.5	10	30
Nickel	1455	U	0.0013	0.013	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0024	0.024	0.06	0.7	5
Selenium	1455	U	0.0006	0.0062	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	6.4	64	800	15000	25000
Fluoride	1220	U	0.23	2.3	10	150	500
Sulphate	1220	U	63	630	1000	20000	50000
Total Dissolved Solids	1020	N	180	1800	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	6.2	62	500	800	1000

### Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	6.8

### Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.



## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298					Landfill Waste Acceptance Criteria Limits		
Chemtest Sample ID: 1466259					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample Ref: 1							
Sample ID:							
Sample Location: WS03							
Top Depth(m): 0.50							
Bottom Depth(m): 0.80							
Sampling Date:							
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	[A] 1.2	3	5	6
Loss On Ignition	2610	M	%	2.9	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] 2000	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	10	100	--	--
pH	2010	M		10.1	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0020	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0003	0.0030	0.5	2	25
Barium	1455	U	0.046	0.46	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0012	0.013	0.5	10	70
Copper	1455	U	0.0021	0.021	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.070	0.69	0.5	10	30
Nickel	1455	U	0.0046	0.046	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	0.0027	0.027	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	25	250	800	15000	25000
Fluoride	1220	U	0.25	2.5	10	150	500
Sulphate	1220	U	13	130	1000	20000	50000
Total Dissolved Solids	1020	N	910	9100	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	3.5	< 50	500	800	1000

### Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	6.5

### Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298					<b>Landfill Waste Acceptance Criteria Limits</b>		
Chemtest Sample ID: 1466262					<b>Inert Waste Landfill</b>	<b>Stable, Non-reactive hazardous waste in non-hazardous Landfill</b>	<b>Hazardous Waste Landfill</b>
Sample Ref: 1							
Sample ID:							
Sample Location: WS07							
Top Depth(m): 0.30							
Bottom Depth(m): 0.50							
Sampling Date:							
<b>Determinand</b>	<b>SOP</b>	<b>Accred.</b>	<b>Units</b>				
Total Organic Carbon	2625	M	%	[A] 0.24	3	5	6
Loss On Ignition	2610	M	%	1.4	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] < 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	< 2.0	100	--	--
pH	2010	M		7.8	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0020	--	To evaluate	To evaluate
<b>Eluate Analysis</b>			<b>10:1 Eluate mg/l</b>	<b>10:1 Eluate mg/kg</b>	<b>Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg</b>		
Arsenic	1455	U	0.0019	0.019	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0032	0.033	0.5	10	70
Copper	1455	U	0.0022	0.023	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	< 0.0002	< 0.0002	0.5	10	30
Nickel	1455	U	0.0017	0.017	0.4	10	40
Lead	1455	U	0.0021	0.021	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	0.006	0.060	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.11	1.1	10	150	500
Sulphate	1220	U	5.2	52	1000	20000	50000
Total Dissolved Solids	1020	N	20	200	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	8.6	86	500	800	1000

### **Solid Information**

Dry mass of test portion/kg	0.090
Moisture (%)	6.2

### **Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298					<b>Landfill Waste Acceptance Criteria Limits</b>		
Chemtest Sample ID: 1466265					<b>Inert Waste Landfill</b>	<b>Stable, Non-reactive hazardous waste in non-hazardous Landfill</b>	<b>Hazardous Waste Landfill</b>
Sample Ref: 2							
Sample ID:							
Sample Location: WS09							
Top Depth(m): 1.4							
Bottom Depth(m): 1.60							
Sampling Date:							
<b>Determinand</b>	<b>SOP</b>	<b>Accred.</b>	<b>Units</b>				
Total Organic Carbon	2625	M	%	[A] 1.9	3	5	6
Loss On Ignition	2610	M	%	5.6	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] < 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	16	100	--	--
pH	2010	M		8.1	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0050	--	To evaluate	To evaluate
<b>Eluate Analysis</b>			<b>10:1 Eluate mg/l</b>	<b>10:1 Eluate mg/kg</b>	<b>Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg</b>		
Arsenic	1455	U	0.0042	0.043	0.5	2	25
Barium	1455	U	0.081	0.81	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	0.0015	0.015	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0031	0.031	0.5	10	30
Nickel	1455	U	0.0042	0.042	0.4	10	40
Lead	1455	U	0.0019	0.019	0.5	10	50
Antimony	1455	U	0.0006	0.0064	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	14	140	800	15000	25000
Fluoride	1220	U	0.37	3.7	10	150	500
Sulphate	1220	U	83	830	1000	20000	50000
Total Dissolved Solids	1020	N	330	3200	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	18	180	500	800	1000

### **Solid Information**

Dry mass of test portion/kg	0.090
Moisture (%)	23

### **Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298 Chemtest Sample ID: 1466266 Sample Ref: 1 Sample ID: Sample Location: WS13 Top Depth(m): 0.30 Bottom Depth(m): 0.50 Sampling Date:				Landfill Waste Acceptance Criteria Limits			
				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill	
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	[A] 0.93	3	5	6
Loss On Ignition	2610	M	%	2.8	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] 160	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	43	100	--	--
pH	2010	M		8.7	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0020	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0007	0.0066	0.5	2	25
Barium	1455	U	0.011	0.11	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.015	0.15	0.5	10	70
Copper	1455	U	0.0056	0.056	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	< 0.0002	< 0.0002	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	< 0.0005	< 0.0005	0.5	10	50
Antimony	1455	U	0.0072	0.072	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.8	18	800	15000	25000
Fluoride	1220	U	0.20	2.0	10	150	500
Sulphate	1220	U	27	270	1000	20000	50000
Total Dissolved Solids	1020	N	190	1900	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	3.2	< 50	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.090
Moisture (%)	9.2

### Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298					<b>Landfill Waste Acceptance Criteria Limits</b>		
Chemtest Sample ID: 1466271					<b>Inert Waste Landfill</b>	<b>Stable, Non-reactive hazardous waste in non-hazardous Landfill</b>	<b>Hazardous Waste Landfill</b>
Sample Ref: 1							
Sample ID:							
Sample Location: WS17							
Top Depth(m): 0.45							
Bottom Depth(m): 0.65							
Sampling Date:							
<b>Determinand</b>	<b>SOP</b>	<b>Accred.</b>	<b>Units</b>				
Total Organic Carbon	2625	M	%	[A] 4.6	3	5	6
Loss On Ignition	2610	M	%	5.1	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] 870	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	60	100	--	--
pH	2010	M		8.2	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0060	--	To evaluate	To evaluate
<b>Eluate Analysis</b>			<b>10:1 Eluate mg/l</b>	<b>10:1 Eluate mg/kg</b>	<b>Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg</b>		
Arsenic	1455	U	0.0062	0.062	0.5	2	25
Barium	1455	U	0.014	0.14	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0005	0.0053	0.5	10	70
Copper	1455	U	0.0041	0.041	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.0021	< 0.0020	0.5	10	30
Nickel	1455	U	0.0007	0.0074	0.4	10	40
Lead	1455	U	0.0005	0.0053	0.5	10	50
Antimony	1455	U	0.0044	0.044	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.26	2.6	10	150	500
Sulphate	1220	U	33	330	1000	20000	50000
Total Dissolved Solids	1020	N	91	910	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	9.7	97	500	800	1000

### **Solid Information**

Dry mass of test portion/kg	0.090
Moisture (%)	6.3

### **Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.



## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298					<b>Landfill Waste Acceptance Criteria Limits</b>		
Chemtest Sample ID: 1466272					<b>Inert Waste Landfill</b>	<b>Stable, Non-reactive hazardous waste in non-hazardous Landfill</b>	<b>Hazardous Waste Landfill</b>
Sample Ref: 1							
Sample ID:							
Sample Location: WS19							
Top Depth(m): 0.20							
Bottom Depth(m): 0.30							
Sampling Date:							
<b>Determinand</b>	<b>SOP</b>	<b>Accred.</b>	<b>Units</b>				
Total Organic Carbon	2625	M	%	[A] 4.7	3	5	6
Loss On Ignition	2610	M	%	4.7	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] 1200	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	130	100	--	--
pH	2010	M		8.6	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0090	--	To evaluate	To evaluate
<b>Eluate Analysis</b>			<b>10:1 Eluate mg/l</b>	<b>10:1 Eluate mg/kg</b>	<b>Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg</b>		
Arsenic	1455	U	0.0026	0.027	0.5	2	25
Barium	1455	U	0.010	0.10	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0014	0.014	0.5	10	70
Copper	1455	U	0.0025	0.025	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	< 0.0002	< 0.0020	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	0.0008	0.0077	0.5	10	50
Antimony	1455	U	0.0010	0.011	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.14	1.4	10	150	500
Sulphate	1220	U	21	210	1000	20000	50000
Total Dissolved Solids	1020	N	78	780	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	7.2	72	500	800	1000

### **Solid Information**

Dry mass of test portion/kg	0.090
Moisture (%)	6.0

### **Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298					<b>Landfill Waste Acceptance Criteria Limits</b>		
Chemtest Sample ID: 1466273					<b>Inert Waste Landfill</b>	<b>Stable, Non-reactive hazardous waste in non-hazardous Landfill</b>	<b>Hazardous Waste Landfill</b>
Sample Ref: 2							
Sample ID:							
Sample Location: WS20							
Top Depth(m): 0.60							
Bottom Depth(m): 1.00							
Sampling Date:							
<b>Determinand</b>	<b>SOP</b>	<b>Accred.</b>	<b>Units</b>				
Total Organic Carbon	2625	M	%	[A] 5.9	3	5	6
Loss On Ignition	2610	M	%	3.3	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] 1500	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	95	100	--	--
pH	2010	M		8.2	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.012	--	To evaluate	To evaluate
<b>Eluate Analysis</b>			<b>10:1 Eluate mg/l</b>	<b>10:1 Eluate mg/kg</b>	<b>Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg</b>		
Arsenic	1455	U	0.0019	0.019	0.5	2	25
Barium	1455	U	0.032	0.32	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0009	0.0087	0.5	10	70
Copper	1455	U	0.0019	0.019	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	< 0.0002	< 0.0002	0.5	10	30
Nickel	1455	U	< 0.0005	< 0.0005	0.4	10	40
Lead	1455	U	0.0011	0.011	0.5	10	50
Antimony	1455	U	< 0.0005	< 0.0005	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	< 1.0	< 10	800	15000	25000
Fluoride	1220	U	0.19	1.9	10	150	500
Sulphate	1220	U	4.4	44	1000	20000	50000
Total Dissolved Solids	1020	N	49	490	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	8.1	81	500	800	1000

### **Solid Information**

Dry mass of test portion/kg	0.090
Moisture (%)	2.9

### **Waste Acceptance Criteria**

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298					Landfill Waste Acceptance Criteria Limits		
Chemtest Sample ID: 1466278					Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample Ref: 2							
Sample ID:							
Sample Location: WS23							
Top Depth(m): 0.20							
Bottom Depth(m): 0.40							
Sampling Date:							
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	[A] 1.0	3	5	6
Loss On Ignition	2610	M	%	1.7	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	0.29	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] < 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	19	100	--	--
pH	2010	M		9.5	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0020	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0009	0.0094	0.5	2	25
Barium	1455	U	< 0.005	< 0.0005	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	0.0016	0.016	0.5	10	70
Copper	1455	U	0.0076	0.076	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.074	0.74	0.5	10	30
Nickel	1455	U	0.0015	0.015	0.4	10	40
Lead	1455	U	0.0018	0.018	0.5	10	50
Antimony	1455	U	0.0015	0.015	0.06	0.7	5
Selenium	1455	U	< 0.0005	< 0.0005	0.1	0.5	7
Zinc	1455	U	0.003	0.027	4	50	200
Chloride	1220	U	1.2	12	800	15000	25000
Fluoride	1220	U	0.58	5.8	10	150	500
Sulphate	1220	U	9.3	93	1000	20000	50000
Total Dissolved Solids	1020	N	120	1200	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	9.8	98	500	800	1000

### Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	8.5

### Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Results - Single Stage WAC

Project: EX-21-001 Canford Energy Park

Chemtest Job No: 22-26298 Chemtest Sample ID: 1466280 Sample Ref: 1 Sample ID: Sample Location: WS24 Top Depth(m): 1.00 Bottom Depth(m): 1.20 Sampling Date:				Landfill Waste Acceptance Criteria Limits			
				Inert Waste Landfill	Stable, Non-reactive hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill	
Determinand	SOP	Accred.	Units				
Total Organic Carbon	2625	M	%	[A] 2.9	3	5	6
Loss On Ignition	2610	M	%	2.7	--	--	10
Total BTEX	2760	M	mg/kg	[A] < 0.010	6	--	--
Total PCBs (7 Congeners)	2815	M	mg/kg	< 0.10	1	--	--
TPH Total WAC	2670	M	mg/kg	[A] 19	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg	24	100	--	--
pH	2010	M		8.2	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg	0.0040	--	To evaluate	To evaluate
Eluate Analysis			10:1 Eluate mg/l	10:1 Eluate mg/kg	Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg		
Arsenic	1455	U	0.0032	0.032	0.5	2	25
Barium	1455	U	0.025	0.25	20	100	300
Cadmium	1455	U	< 0.00011	< 0.00011	0.04	1	5
Chromium	1455	U	< 0.0005	< 0.0005	0.5	10	70
Copper	1455	U	0.0009	0.0091	2	50	100
Mercury	1455	U	< 0.00005	< 0.00005	0.01	0.2	2
Molybdenum	1455	U	0.049	0.49	0.5	10	30
Nickel	1455	U	0.0023	0.023	0.4	10	40
Lead	1455	U	0.0006	0.0058	0.5	10	50
Antimony	1455	U	0.0007	0.0075	0.06	0.7	5
Selenium	1455	U	0.0006	0.0056	0.1	0.5	7
Zinc	1455	U	< 0.003	< 0.003	4	50	200
Chloride	1220	U	1.5	15	800	15000	25000
Fluoride	1220	U	0.43	4.3	10	150	500
Sulphate	1220	U	140	1400	1000	20000	50000
Total Dissolved Solids	1020	N	290	2900	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.30	1	-	-
Dissolved Organic Carbon	1610	U	12	120	500	800	1000

### Solid Information

Dry mass of test portion/kg	0.090
Moisture (%)	13

### Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

## Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1466255	2		WS01		A	Amber Glass 250ml
1466255	2		WS01		A	Amber Glass 60ml
1466255	2		WS01		A	Plastic Tub 500g
1466256	1		WS01		A	Amber Glass 250ml
1466256	1		WS01		A	Amber Glass 60ml
1466256	1		WS01		A	Plastic Tub 500g
1466257	1		WS02		A	Amber Glass 250ml
1466257	1		WS02		A	Amber Glass 60ml
1466257	1		WS02		A	Plastic Tub 500g
1466258	2		WS02		A	Amber Glass 250ml
1466258	2		WS02		A	Amber Glass 60ml
1466258	2		WS02		A	Plastic Tub 500g
1466259	1		WS03		A	Amber Glass 250ml
1466259	1		WS03		A	Amber Glass 60ml
1466259	1		WS03		A	Plastic Tub 500g
1466260	2		WS03		A	Amber Glass 250ml
1466260	2		WS03		A	Amber Glass 60ml
1466260	2		WS03		A	Plastic Tub 500g
1466261	2		WS06		A	Amber Glass 250ml
1466261	2		WS06		A	Amber Glass 60ml
1466261	2		WS06		A	Plastic Tub 500g
1466262	1		WS07		A	Amber Glass 250ml
1466262	1		WS07		A	Amber Glass 60ml
1466262	1		WS07		A	Plastic Tub 500g



## Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1466263	2		WS07		A	Amber Glass 250ml
1466263	2		WS07		A	Amber Glass 60ml
1466263	2		WS07		A	Plastic Tub 500g
1466264	1		WS09		A	Amber Glass 250ml
1466264	1		WS09		A	Amber Glass 60ml
1466264	1		WS09		A	Plastic Tub 500g
1466265	2		WS09		A	Amber Glass 250ml
1466265	2		WS09		A	Amber Glass 60ml
1466265	2		WS09		A	Plastic Tub 500g
1466266	1		WS13		A	Amber Glass 250ml
1466266	1		WS13		A	Amber Glass 60ml
1466266	1		WS13		A	Plastic Tub 500g
1466267	2		WS14		A	Amber Glass 250ml
1466267	2		WS14		A	Amber Glass 60ml
1466267	2		WS14		A	Plastic Tub 500g
1466268	1		WS14		A	Amber Glass 250ml
1466268	1		WS14		A	Amber Glass 60ml
1466268	1		WS14		A	Plastic Tub 500g
1466269	1		WS15		A	Amber Glass 250ml
1466269	1		WS15		A	Amber Glass 60ml
1466269	1		WS15		A	Plastic Tub 500g
1466270	2		WS17		A	Amber Glass 250ml
1466270	2		WS17		A	Amber Glass 60ml
1466270	2		WS17		A	Plastic Tub 500g

## Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1466271	1		WS17		A	Amber Glass 250ml
1466271	1		WS17		A	Amber Glass 60ml
1466271	1		WS17		A	Plastic Tub 500g
1466272	1		WS19		A	Amber Glass 250ml
1466272	1		WS19		A	Amber Glass 60ml
1466272	1		WS19		A	Plastic Tub 500g
1466273	2		WS20		A	Amber Glass 250ml
1466273	2		WS20		A	Amber Glass 60ml
1466273	2		WS20		A	Plastic Tub 500g
1466274	1		WS20		A	Amber Glass 250ml
1466274	1		WS20		A	Amber Glass 60ml
1466274	1		WS20		A	Plastic Tub 500g
1466275	1		WS21		A	Amber Glass 250ml
1466275	1		WS21		A	Amber Glass 60ml
1466275	1		WS21		A	Plastic Tub 500g
1466276	2		WS21		A	Amber Glass 250ml
1466276	2		WS21		A	Amber Glass 60ml
1466276	2		WS21		A	Plastic Tub 500g
1466277	1		WS22		A	Amber Glass 250ml
1466277	1		WS22		A	Amber Glass 60ml
1466277	1		WS22		A	Plastic Tub 500g
1466278	2		WS23		A	Amber Glass 250ml
1466278	2		WS23		A	Amber Glass 60ml
1466278	2		WS23		A	Plastic Tub 500g

## Deviations

In accordance with UKAS Policy on Deviating Samples TPS 63. Chemtest have a procedure to ensure 'upon receipt of each sample a competent laboratory shall assess whether the sample is suitable with regard to the requested test(s)'. This policy and the respective holding times applied, can be supplied upon request. The reason a sample is declared as deviating is detailed below. Where applicable the analysis remains UKAS/MCERTs accredited but the results may be compromised.

Sample:	Sample Ref:	Sample ID:	Sample Location:	Sampled Date:	Deviation Code(s):	Containers Received:
1466279	1		WS23		A	Amber Glass 250ml
1466279	1		WS23		A	Amber Glass 60ml
1466280	1		WS24		A	Amber Glass 250ml
1466280	1		WS24		A	Amber Glass 60ml
1466280	1		WS24		A	Plastic Tub 500g
1466281	2		WS24		A	Amber Glass 250ml
1466281	2		WS24		A	Amber Glass 60ml
1466281	2		WS24		A	Plastic Tub 500g
1466282	1		WS25		A	Amber Glass 250ml
1466282	1		WS25		A	Amber Glass 60ml
1466282	1		WS25		A	Plastic Tub 500g
1466283	1		W2S26		A	Amber Glass 250ml
1466283	1		W2S26		A	Amber Glass 60ml
1466283	1		W2S26		A	Plastic Tub 500g
1466284			WS19		A	Amber Glass 250ml
1466284			WS19		A	Amber Glass 60ml
1466284			WS19		A	Plastic Tub 500g

## Test Methods

SOP	Title	Parameters included	Method summary
1020	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Electrical Conductivity and Total Dissolved Solids (TDS) in Waters	Conductivity Meter
1220	Anions, Alkalinity & Ammonium in Waters	Fluoride; Chloride; Nitrite; Nitrate; Total; Oxidisable Nitrogen (TON); Sulfate; Phosphate; Alkalinity; Ammonium	Automated colorimetric analysis using 'Aquakem 600' Discrete Analyser.
1455	Metals in Waters by ICP-MS	Metals, including: Antimony; Arsenic; Barium; Beryllium; Boron; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Tin; Vanadium; Zinc	Filtration of samples followed by direct determination by inductively coupled plasma mass spectrometry (ICP-MS).
1610	Total/Dissolved Organic Carbon in Waters	Organic Carbon	TOC Analyser using Catalytic Oxidation
1920	Phenols in Waters by HPLC	Phenolic compounds including: Phenol, Cresols, Xylenols, Trimethylphenols Note: Chlorophenols are excluded.	Determination by High Performance Liquid Chromatography (HPLC) using electrochemical detection.
2010	pH Value of Soils	pH	pH Meter
2015	Acid Neutralisation Capacity	Acid Reserve	Titration
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2300	Cyanides & Thiocyanate in Soils	Free (or easy liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazine.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2680	TPH A/A Split	Aliphatics: >C5–C6, >C6–C8,>C8–C10, >C10–C12, >C12–C16, >C16–C21, >C21–C35, >C35– C44Aromatics: >C5–C7, >C7–C8, >C8– C10, >C10–C12, >C12–C16, >C16– C21, >C21– C35, >C35– C44	Dichloromethane extraction / GCxGC FID detection
2700	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-FID	Acenaphthene; Acenaphthylene; Anthracene; Benzo[a]Anthracene; Benzo[a]Pyrene; Benzo[b]Fluoranthene; Benzo[ghi]Perylene; Benzo[k]Fluoranthene; Chrysene; Dibenz[ah]Anthracene; Fluoranthene; Fluorene; Indeno[123cd]Pyrene; Naphthalene; Phenanthrene; Pyrene	Dichloromethane extraction / GC-FID (GC-FID detection is non-selective and can be subject to interference from co-eluting compounds)

## Test Methods

SOP	Title	Parameters included	Method summary
2760	Volatile Organic Compounds (VOCs) in Soils by Headspace GC-MS	Volatile organic compounds, including BTEX and halogenated Aliphatic/Aromatics.(cf. USEPA Method 8260)*please refer to UKAS schedule	Automated headspace gas chromatographic (GC) analysis of a soil sample, as received, with mass spectrometric (MS) detection of volatile organic compounds.
2790	Semi-Volatile Organic Compounds (SVOCs) in Soils by GC-MS	Semi-volatile organic compounds(cf. USEPA Method 8270)	Acetone/Hexane extraction / GC-MS
2815	Polychlorinated Biphenyls (PCB) ICES7Congeners in Soils by GC-MS	ICES7 PCB congeners	Acetone/Hexane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.
640	Characterisation of Waste (Leaching C10)	Waste material including soil, sludges and granular waste	ComplianceTest for Leaching of Granular Waste Material and Sludge



## **Report Information**

### **Key**

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U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

### **Sample Deviation Codes**

---

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

### **Sample Retention and Disposal**

---

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

[customerservices@chemtest.com](mailto:customerservices@chemtest.com)



# Final Report

---

**Report No.:** 22-26458-1  
**Initial Date of Issue:** 19-Jul-2022  
**Client:** Terra Firma  
**Client Address:** t/a Terra Firma  
The Slate Barn  
Lower Lowley  
Dunsford  
Devon  
EX6 7BP  
**Contact(s):** Info  
**Project:** EX-21-001 Canford Energy Park  
**Quotation No.:** **Date Received:** 13-Jul-2022  
**Order No.:** EX-21-001 **Date Instructed:** 13-Jul-2022  
**No. of Samples:** 1  
**Turnaround (Wkdays):** 5 **Results Due:** 19-Jul-2022  
**Date Approved:** 19-Jul-2022

**Approved By:**

**Details:** Stuart Henderson, Technical  
Manager

---

# Bulk Identification Certificate

**Client:** Terra Firma

**Site Address:**

**Date Sampled:**

**Date Received:** 13-Jul-2022

**Your Ref.:**

**Project:** EX-21-001 Canford Energy Park

**Job Number:** 22-26458

**No Samples:**

**Date Reported:** 19-Jul-2022

Sample No.	Sample ID	Sample Ref.	Description	Top (m)	Bottom (m)	SOP	Accred.	Laboratory	Material	Result
1466899		1	WS23	0.05	0.05	2185	U	NEW-ASB	-	No Asbestos Detected

The in-house procedure SOP2185 is in accordance with the requirements of Appendix 2 of the Analyst Guide (HSG 248).

The results relate only to items tested as supplied by the client.

Comments and interpretations are beyond the scope of UKAS accreditation.

Samples associated with asbestos in building surveys are retained for six months (HSG 264 refers)

## Test Methods

<b>SOP</b>	<b>Title</b>	<b>Parameters included</b>	<b>Method summary</b>
2185	Asbestos	Asbestos	Polarised light microscopy
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry

## **Report Information**

### **Key**

---

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

### **Sample Deviation Codes**

---

A - Date of sampling not supplied

B - Sample age exceeds stability time (sampling to extraction)

C - Sample not received in appropriate containers

D - Broken Container

E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

### **Sample Retention and Disposal**

---

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

[customerservices@chemtest.com](mailto:customerservices@chemtest.com)

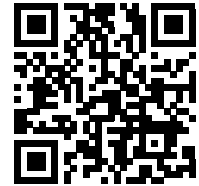


**Annex E: HazWaste Classification Report**

# 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:

- understand the origin of the waste
- select the correct List of Waste code(s)
- confirm that the list of determinands, results and sampling plan are fit for purpose
- select and justify the chosen metal species (Appendix B)
- correctly apply moisture correction and other available corrections
- add the meta data for their user-defined substances (Appendix A)
- check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)



OBHNC-PX110-09IA2

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

## Job name

HWOL\_22-26298-20220726 225017

## Description/Comments

## Project

EX-21-001

## Site

Canford Energy Park

## Classified by

Name: **Steven Hill**  
 Date: **22 Sep 2022 08:54 GMT**  
 Telephone: **01647 252414**

Company: **TFW Group Ltd t/a Terra Firma (South)**  
**The Slate Barn**  
**Lower Lowley**  
**Dunsford**  
**EX6 7BP**

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	50% complete

## Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	WS01-2-26/07/2022-0.40	0.40-0.60	Non Hazardous		3
2	WS01-1-26/07/2022-0.10	0.10-0.30	Non Hazardous		7
3	WS02-1-26/07/2022-0.80	0.80-1.00	Non Hazardous		13
4	WS02-2-26/07/2022-1.50	1.50-1.75	Non Hazardous		19
5	WS03-1-26/07/2022-0.50	0.50-0.80	Hazardous	HP 7, HP 11	23
6	WS03-2-26/07/2022-1.30	1.30-1.60	Non Hazardous		29
7	WS06-2-26/07/2022-2.05	2.05-2.15	Non Hazardous		33
8	WS07-1-26/07/2022-0.30	0.30-0.50	Non Hazardous		37
9	WS07-2-26/07/2022-0.60	0.60-0.80	Non Hazardous		43
10	WS09-1-26/07/2022-1.00	1.00-1.20	Non Hazardous		49
11	WS09-2-26/07/2022-1.4	1.4-1.60	Non Hazardous		55
12	WS13-1-26/07/2022-0.30	0.30-0.50	Non Hazardous		59
13	WS14-2-26/07/2022-0.90	0.90-1.10	Non Hazardous		65
14	WS14-1-26/07/2022-0.30	0.30-0.60	Non Hazardous		71
15	WS15-1-26/07/2022-0.30	0.30-1.00	Non Hazardous		77
16	WS17-2-26/07/2022-0.75	0.75-1.00	Non Hazardous		83
17	WS17-1-26/07/2022-0.45	0.45-0.65	Non Hazardous		89
18	WS19-1-26/07/2022-0.20	0.20-0.30	Hazardous	HP 7, HP 11	95
19	WS20-2-26/07/2022-0.60	0.60-1.00	Hazardous	HP 7, HP 11	101
20	WS20-1-26/07/2022-0.30	0.30-0.40	Non Hazardous		107
21	WS21-1-26/07/2022-0.40	0.40-0.60	Non Hazardous		113
22	WS21-2-26/07/2022-1.25	1.25-1.50	Non Hazardous		119
23	WS22-1-26/07/2022-1.10	1.10-1.30	Non Hazardous		123
24	WS23-2-26/07/2022-0.20	0.20-0.40	Non Hazardous		129
25	WS23-1-26/07/2022-0.05	0.05-0.05	Non Hazardous		135
26	WS24-1-26/07/2022-1.00	1.00-1.20	Non Hazardous		141
27	WS24-2-26/07/2022-1.80	1.80-2.00	Non Hazardous		145
28	WS25-1-26/07/2022-1.30	1.30-1.50	Non Hazardous		149
29	WS26-1-26/07/2022-1.80	1.80-1.95	Non Hazardous		155
30	WS19-26/07/2022-0.60	0.60-0.80	Non Hazardous		159

#### Related documents

#	Name	Description
1	HWOL_22-26298-20220726 225017.hwol	Eurofins Chemtest .hwol file used to populate the Job
2	Example waste stream template for contaminated soils	waste stream template used to create this Job

#### Report

Created by: Steven Hill

Created date: 22 Sep 2022 08:54 GMT

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Appendix A: Classifier defined and non GB MCL determinands	165
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Appendix C: Version	169

Classification of sample: WS01-2-26/07/2022-0.40

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS01-2-26/07/2022-0.40</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.40-0.60 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>9%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 9% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				8.7 mg/kg	1.32	10.453 mg/kg	0.00105 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.11 mg/kg	1.142	0.114 mg/kg	0.0000114 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				14 mg/kg	1.462	18.62 mg/kg	0.00186 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				19 mg/kg	1.126	19.467 mg/kg	0.00195 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	57 mg/kg	1.56	80.908 mg/kg	0.00519 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				0.1 mg/kg	1.353	0.123 mg/kg	0.0000123 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				10 mg/kg	2.976	27.084 mg/kg	0.00271 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.25 mg/kg	2.554	0.581 mg/kg	0.0000581 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				55 mg/kg	2.774	138.846 mg/kg	0.0139 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		9.5 pH		9.5 pH	9.5 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			0.77 mg/kg		0.701 mg/kg	0.0000701 %	✓	
26	pyrene 204-927-3	129-00-0			0.81 mg/kg		0.737 mg/kg	0.0000737 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.25 mg/kg		0.228 mg/kg	0.0000228 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		0.38 mg/kg		0.346 mg/kg	0.0000346 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
37	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3	200-549-8	62-75-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
38	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
39	bis(2-chloroethyl) ether 603-029-00-2	203-870-1	111-44-4		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
40	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
41	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
42	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
46	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
47	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
48	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	hexachlorobutadiene 201-765-5 87-68-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
57	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
59	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	2,6-dinitrotoluene 609-049-00-8 210-106-0 606-20-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	dibenzofuran 205-071-3 132-64-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	4-chlorophenylphenylether 230-281-7 7005-72-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2,4-dinitrotoluene; [1] dinitrotoluene [2] 609-007-00-9 204-450-0 [1] 121-14-2 [1] 246-836-1 [2] 25321-14-6 [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	diethyl phthalate 201-550-6 84-66-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
67	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
68	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
69	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
70	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
71	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
72	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
73	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
74	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
75	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
76	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
77	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1]	108-39-4 [1]							
		202-423-8 [2]	95-48-7 [2]							
		203-398-6 [3]	106-44-5 [3]							
		215-293-2 [4]	1319-77-3 [4]							
78	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1]	88-74-4 [1] 99-09-2							
		202-729-1 [2]	[2] 100-01-6 [3]							
		202-810-1 [3]								
Total:								0.0306 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS01-1-26/07/2022-0.10

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS01-1-26/07/2022-0.10</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.10-0.30 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>6.8%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 6.8% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				2.3 mg/kg	1.32	2.83 mg/kg	0.000283 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.6 mg/kg	1.462	6.266 mg/kg	0.000627 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				4.6 mg/kg	1.126	4.827 mg/kg	0.000483 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	24 mg/kg	1.56	34.89 mg/kg	0.00224 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				3.5 mg/kg	2.976	9.709 mg/kg	0.000971 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				20 mg/kg	2.774	51.71 mg/kg	0.00517 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		9 pH		9 pH	9pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			0.42 mg/kg		0.391 mg/kg	0.0000391 %	✓	
24	anthracene 204-371-1	120-12-7			0.22 mg/kg		0.205 mg/kg	0.0000205 %	✓	
25	fluoranthene 205-912-4	206-44-0			1.1 mg/kg		1.025 mg/kg	0.000103 %	✓	
26	pyrene 204-927-3	129-00-0			1.2 mg/kg		1.118 mg/kg	0.000112 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.48 mg/kg		0.447 mg/kg	0.0000447 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		0.66 mg/kg		0.615 mg/kg	0.0000615 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		2 mg/kg		1.864 mg/kg	0.000186 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.91 mg/kg		0.848 mg/kg	0.0000848 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		1.5 mg/kg		1.398 mg/kg	0.00014 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3 200-549-8 62-75-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0 202-433-2 [1] 95-57-8 [1] 203-402-6 [2] 106-48-9 [2] 203-582-6 [3] 108-43-0 [3] 246-691-4 [4] 25167-80-0 [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2 203-870-1 111-44-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] 2 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5 87-68-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.014 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS02-1-26/07/2022-0.80

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS02-1-26/07/2022-0.80</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.80-1.00 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>21%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 21% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				3.5 mg/kg	1.32	3.651 mg/kg	0.000365 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.12 mg/kg	1.142	0.108 mg/kg	0.0000108 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.6 mg/kg	1.462	11.084 mg/kg	0.00111 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	9.784 mg/kg	0.000978 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	32 mg/kg	1.56	39.432 mg/kg	0.00253 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0535 mg/kg	0.00000535 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				6.2 mg/kg	2.976	14.578 mg/kg	0.00146 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				64 mg/kg	2.774	140.261 mg/kg	0.014 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		7.3 pH		7.3 pH	7.3 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			0.3 mg/kg		0.237 mg/kg	0.0000237 %	✓	
26	pyrene 204-927-3	129-00-0			0.47 mg/kg		0.371 mg/kg	0.0000371 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3 200-549-8 62-75-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0 202-433-2 [1] 95-57-8 [1] 203-402-6 [2] 106-48-9 [2] 203-582-6 [3] 108-43-0 [3] 246-691-4 [4] 25167-80-0 [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2 203-870-1 111-44-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xylene; [1] 2,5-xylene; [2] 2,4-xylene; [3] 2,3-xylene; [4] 2,6-xylene; [5] xylene; [6] 2,4(or 2,5)-xylene [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5 87-68-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS02-2-26/07/2022-1.50

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS02-2-26/07/2022-1.50</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.50-1.75 m</b>	
Moisture content:	
<b>16%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				3.2 mg/kg	1.32	3.549 mg/kg	0.000355 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.4 mg/kg	1.462	10.313 mg/kg	0.00103 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				4.4 mg/kg	1.126	4.161 mg/kg	0.000416 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	11 mg/kg	1.56	14.413 mg/kg	0.000924 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				2.2 mg/kg	2.976	5.5 mg/kg	0.00055 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				11 mg/kg	2.774	25.633 mg/kg	0.00256 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							





#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		6.1 pH		6.1 pH	6.1 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
36	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD


#	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							
42	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
43	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
44	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
45	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
46	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
47	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
48	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
49	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
50	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
51	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
52	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
53	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
54	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
55	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
56	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
57	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
58	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							
59	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
60	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
61	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
62	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
63	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
64	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
65	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
66	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
67	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
68	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
69	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
70	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							

#	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							
71	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
72	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
73	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
74	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
75	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
76	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
77	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
78	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
79	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
80	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
81	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
82	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
Total:								0.00732 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS03-1-26/07/2022-0.50

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>WS03-1-26/07/2022-0.50</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
<b>0.50-0.80 m</b>		
Moisture content:		
<b>6.5%</b>		
(wet weight correction)		

**Hazard properties**

**HP 7: Carcinogenic** "waste which induces cancer or increases its incidence"

Hazard Statements hit:

**Carc. 1B; H350** "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.187%)

**HP 11: Mutagenic** "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

**Muta. 1B; H340** "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.187%)

**Determinands**

Moisture content: 6.5% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				2.5 mg/kg	1.32	3.086 mg/kg	0.000309 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.2 mg/kg	1.462	5.74 mg/kg	0.000574 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				2.9 mg/kg	1.126	3.053 mg/kg	0.000305 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	21 mg/kg	1.56	30.627 mg/kg	0.00196 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				4.2 mg/kg	2.976	11.688 mg/kg	0.00117 %	✓	
	028-035-00-7	238-766-5	14721-18-7							

#	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							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				27 mg/kg	2.774	70.033 mg/kg	0.007 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				2000 mg/kg		1870 mg/kg	0.187 %	✓	
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
16	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
17	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
18	pH				10.1 pH		10.1 pH	10.1 pH		
			PH							
19	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8							
21	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9							
22	fluorene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7							
23	phenanthrene				0.37 mg/kg		0.346 mg/kg	0.0000346 %	✓	
		201-581-5	85-01-8							
24	anthracene				0.2 mg/kg		0.187 mg/kg	0.0000187 %	✓	
		204-371-1	120-12-7							
25	fluoranthene				1.5 mg/kg		1.403 mg/kg	0.00014 %	✓	
		205-912-4	206-44-0							
26	pyrene				1.7 mg/kg		1.59 mg/kg	0.000159 %	✓	
		204-927-3	129-00-0							
27	benzo[a]anthracene				1 mg/kg		0.935 mg/kg	0.0000935 %	✓	
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				1.1 mg/kg		1.029 mg/kg	0.000103 %	✓	
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				1.9 mg/kg		1.777 mg/kg	0.000178 %	✓	
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				0.68 mg/kg		0.636 mg/kg	0.0000636 %	✓	
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				1.6 mg/kg		1.496 mg/kg	0.00015 %	✓	
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2							



#	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							
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined)	203-458-1, 200-863-5	107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3	200-549-8	62-75-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2	203-870-1	111-44-4		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7	202-425-9	95-50-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4	67-72-1			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8	210-698-0	621-64-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7	202-716-0	98-95-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8	201-126-0	78-59-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5	88-75-5			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2	111-91-1			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7	204-429-6	120-83-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6	204-428-0	120-82-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9	203-401-0	106-47-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5	87-68-3			<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3	200-431-6	59-50-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
60	2-methyl naphthalene	202-078-3	91-57-6		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene	202-079-9	91-58-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate	205-011-6	131-11-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
67	2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
68	dibenzofuran	205-071-3	132-64-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
69	4-chlorophenylphenylether	230-281-7	7005-72-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
71	diethyl phthalate	201-550-6	84-66-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
72	DNOC (ISO); 4,6-dinitro-o-cresol	609-020-00-X	208-601-1	534-52-1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
73	azobenzene	611-001-00-6	203-102-5	103-33-3	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
74	4-bromophenylphenylether	202-952-4	101-55-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
75	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
76	carbazole	201-696-0	86-74-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
77	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
78	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
80	di-n-octyl phthalate	204-214-7	117-84-0		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
81	monohydric phenols		P1186		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	dichlorodifluoromethane	200-893-9	75-71-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
83	chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
84	bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
85	chloroethane	602-009-00-0	200-830-5	75-00-3	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
86	trichlorofluoromethane	200-892-3	75-69-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
87	1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
88	bromochloromethane	200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#	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							
89	chloroform; trichloromethane 602-006-00-4 200-663-8 67-66-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
90	1,1,1-trichloroethane; methyl chloroform 602-013-00-2 200-756-3 71-55-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
91	1,1-dichloropropene 602-031-00-0 209-253-3 563-58-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
92	1,2-dichloropropane; propylene dichloride 602-020-00-0 201-152-2 78-87-5				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
93	dibromomethane 602-003-00-8 200-824-2 74-95-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
94	bromodichloromethane 200-856-7 75-27-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2] 602-030-00-5 208-826-5 [1] 542-75-6 [1] 233-195-8 [2] 10061-01-5 [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
96	trans-1,3-dichloropropene 431-460-4 10061-02-6				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
97	1,1,2-trichloroethane 602-014-00-8 201-166-9 79-00-5				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
98	1,3-dichloropropane 205-531-3 142-28-9				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	dibromochloromethane 204-704-0 124-48-1				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
100	1,2-dibromoethane 602-010-00-6 203-444-5 106-93-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
101	chlorobenzene 602-033-00-1 203-628-5 108-90-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
102	1,1,1,2-tetrachloroethane 211-135-1 630-20-6				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	styrene 601-026-00-0 202-851-5 100-42-5				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
104	bromoform; tribromomethane 602-007-00-X 200-854-6 75-25-2				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
105	cumene; [1] propylbenzene [2] 601-024-00-X 202-704-5 [1] 98-82-8 [1] 203-132-9 [2] 103-65-1 [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
106	bromobenzene 602-060-00-9 203-623-8 108-86-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	1,2,3-trichloropropane 602-062-00-X 202-486-1 96-18-4				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
108	Propylbenzene 601-097-00-8 203-132-9 103-65-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
109	mesitylene; 1,3,5-trimethylbenzene 601-025-00-5 203-604-4 108-67-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
110	tert-butylbenzene 202-632-4 98-06-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
111	1,2,4-trimethylbenzene 601-043-00-3 202-436-9 95-63-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
112	sec-butylbenzene 205-227-0 135-98-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
113	4-isopropyltoluene 202-796-7 99-87-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	n-butylbenzene 203-209-7 104-51-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
115	1,2-dibromo-3-chloropropane 602-021-00-6 202-479-3 96-12-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
116	1,2,3-trichlorobenzene 201-757-1 87-61-6				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD

#	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							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1]	108-39-4 [1]							
		202-423-8 [2]	95-48-7 [2]							
		203-398-6 [3]	106-44-5 [3]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1]	88-74-4 [1]							
		202-729-1 [2]	99-09-2 [2]							
		202-810-1 [3]	100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1]	540-59-0 [1]							
		205-859-7 [2]	156-59-2 [2]							
		205-860-2 [3]	156-60-5 [3]							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
								Total:	0.202 %	

**Key**

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- 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 because Non flammable below 12500mg/kg

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.187%)

Classification of sample: WS03-2-26/07/2022-1.30

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>WS03-2-26/07/2022-1.30</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.30-1.60 m</b>		
Moisture content:		
<b>17%</b>		
(wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 17% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				3.7 mg/kg	1.32	4.055 mg/kg	0.000405 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.15 mg/kg	1.142	0.142 mg/kg	0.0000142 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.1 mg/kg	1.462	11.039 mg/kg	0.0011 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	10.279 mg/kg	0.00103 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	30 mg/kg	1.56	38.839 mg/kg	0.00249 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				7.3 mg/kg	2.976	18.033 mg/kg	0.0018 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				44 mg/kg	2.774	101.312 mg/kg	0.0101 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							





#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		7.9 pH		7.9 pH	7.9 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
36	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#	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							
42	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
43	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
44	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
45	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
46	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
47	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
48	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
49	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
50	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
51	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
52	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
53	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
54	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
55	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
56	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
57	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
58	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							
59	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
60	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
61	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
62	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
63	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
64	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
65	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
66	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
67	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
68	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
69	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
70	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							

#	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							
71	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
72	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
73	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
74	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
75	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
76	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
77	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
78	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
79	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
80	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
81	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
82	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
Total:								0.0184 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS06-2-26/07/2022-2.05

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS06-2-26/07/2022-2.05</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>2.05-2.15 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>31%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 31% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				6.5 mg/kg	1.32	5.922 mg/kg	0.000592 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	16.136 mg/kg	0.00161 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				4.6 mg/kg	1.126	3.574 mg/kg	0.000357 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	14 mg/kg	1.56	15.068 mg/kg	0.000966 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				1.9 mg/kg	2.976	3.902 mg/kg	0.00039 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.36 mg/kg	2.554	0.634 mg/kg	0.0000634 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				6.3 mg/kg	2.774	12.059 mg/kg	0.00121 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
12	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
13	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	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									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
16		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 }			<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
	006-007-00-5											
17		pH			7.5	pH		7.5	pH	7.5 pH		
			PH									
18		naphthalene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19		acenaphthylene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
20		acenaphthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
21		fluorene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
22		phenanthrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
23		anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
24		fluoranthene			0.92	mg/kg		0.635	mg/kg	0.0000635 %	✓	
		205-912-4	206-44-0									
25		pyrene			0.88	mg/kg		0.607	mg/kg	0.0000607 %	✓	
		204-927-3	129-00-0									
26		benzo[a]anthracene			0.29	mg/kg		0.2	mg/kg	0.00002 %	✓	
		601-033-00-9	200-280-6	56-55-3								
27		chrysene			0.82	mg/kg		0.566	mg/kg	0.0000566 %	✓	
		601-048-00-0	205-923-4	218-01-9								
28		benzo[b]fluoranthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-034-00-4	205-911-9	205-99-2								
29		benzo[k]fluoranthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-036-00-5	205-916-6	207-08-9								
30		benzo[a]pyrene; benzo[def]chrysene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-032-00-3	200-028-5	50-32-8								
31		indeno[123-cd]pyrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									
32		dibenz[a,h]anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		601-041-00-2	200-181-8	53-70-3								
33		benzo[ghi]perylene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2									
34		1,1-dichloroethane and 1,2-dichloroethane (combined)			<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									
35		tetrachloroethylene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-028-00-4	204-825-9	127-18-4								
36		carbon tetrachloride; tetrachloromethane			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-008-00-5	200-262-8	56-23-5								
37		trichloroethylene; trichloroethene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-027-00-9	201-167-4	79-01-6								
38		vinyl chloride; chloroethylene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-023-00-7	200-831-0	75-01-4								
39		1,3-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-067-00-7	208-792-1	541-73-1								
40		1,4-dichlorobenzene; p-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-035-00-2	203-400-5	106-46-7								
41		1,2-dichlorobenzene; o-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-034-00-7	202-425-9	95-50-1								
42		1,2,4-trichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
		602-087-00-6	204-428-0	120-82-1								



#	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							
43	hexachlorobutadiene	201-765-5	87-68-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
44	monohydric phenols		P1186		1 mg/kg		0.69 mg/kg	0.000069 %	✓	
45	dichlorodifluoromethane	200-893-9	75-71-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
48	chloroethane	602-009-00-0	200-830-5	75-00-3	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
49	trichlorofluoromethane	200-892-3	75-69-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50	1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
51	bromochloromethane	200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
52	chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53	1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
54	1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55	1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56	dibromomethane	602-003-00-8	200-824-2	74-95-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	bromodichloromethane	200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
58	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	trans-1,3-dichloropropene	431-460-4	10061-02-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
61	1,3-dichloropropane	205-531-3	142-28-9		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
62	dibromochloromethane	204-704-0	124-48-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
63	1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
64	chlorobenzene	602-033-00-1	203-628-5	108-90-7	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
65	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
66	styrene	601-026-00-0	202-851-5	100-42-5	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
67	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68	cumene; [1] propylbenzene [2]	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
70	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
71	Propylbenzene	601-097-00-8	203-132-9	103-65-1	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#	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							
72	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
73	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
74	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
75	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
76	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
77	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
78	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
79	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
80	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
81	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
Total:								0.00583 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS07-1-26/07/2022-0.30

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS07-1-26/07/2022-0.30</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.30-0.50 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>6.2%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 6.2% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				4.9 mg/kg	1.32	6.068 mg/kg	0.000607 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.12 mg/kg	1.142	0.129 mg/kg	0.0000129 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	21.935 mg/kg	0.00219 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	11.617 mg/kg	0.00116 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	20 mg/kg	1.56	29.262 mg/kg	0.00188 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				8.4 mg/kg	2.976	23.451 mg/kg	0.00235 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.41 mg/kg	2.554	0.982 mg/kg	0.0000982 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				40 mg/kg	2.774	104.086 mg/kg	0.0104 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		7.8 pH		7.8 pH	7.8 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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											
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-077-00-3	200-549-8	62-75-9											
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]											
44	bis(2-chloroethyl) ether					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4											
45	1,3-dichlorobenzene					<0.001 mg/kg					<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1											
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
	602-035-00-2	203-400-5	106-46-7											
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
	602-034-00-7	202-425-9	95-50-1											
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		200-666-4	67-72-1											
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-098-00-8	210-698-0	621-64-7											
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	609-003-00-7	202-716-0	98-95-3											
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	606-012-00-8	201-126-0	78-59-1											
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		201-857-5	88-75-5											
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]											
54	bis(2-chloroethoxy)methane					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1											
55	2,4-dichlorophenol					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2											
56	1,2,4-trichlorobenzene					<0.001 mg/kg					<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1											
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-137-00-9	203-401-0	106-47-8											
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
		201-765-5	87-68-3											
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-014-00-3	200-431-6	59-50-7											
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		202-078-3	91-57-6											
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	609-015-00-2	202-811-7	100-02-7											
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	602-078-00-7	201-029-3	77-47-4											
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-018-00-5	201-795-9	88-06-2											
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-017-00-X	202-467-8	95-95-4											
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		202-079-9	91-58-7											
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		205-011-6	131-11-3											



#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0222 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS07-2-26/07/2022-0.60

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>WS07-2-26/07/2022-0.60</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60-0.80 m</b>		
Moisture content:		
<b>13%</b>		
(wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				4.1 mg/kg	1.32	4.71 mg/kg	0.000471 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.1 mg/kg	1.462	10.3 mg/kg	0.00103 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				4.2 mg/kg	1.126	4.114 mg/kg	0.000411 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	5.2 mg/kg	1.56	7.057 mg/kg	0.000452 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				3.6 mg/kg	2.976	9.322 mg/kg	0.000932 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				16 mg/kg	2.774	38.616 mg/kg	0.00386 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		8.5 pH		8.5 pH	8.5 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			0.81 mg/kg		0.705 mg/kg	0.0000705 %	✓	
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			3 mg/kg		2.61 mg/kg	0.000261 %	✓	
26	pyrene 204-927-3	129-00-0			2.7 mg/kg		2.349 mg/kg	0.000235 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		1.3 mg/kg		1.131 mg/kg	0.000113 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		1.3 mg/kg		1.131 mg/kg	0.000113 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.62 mg/kg		0.539 mg/kg	0.0000539 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.65 mg/kg		0.566 mg/kg	0.0000566 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		1.2 mg/kg		1.044 mg/kg	0.000104 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			0.72 mg/kg		0.626 mg/kg	0.0000626 %	✓	
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			0.75 mg/kg		0.653 mg/kg	0.0000653 %	✓	
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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											
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-077-00-3	200-549-8	62-75-9											
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]											
44	bis(2-chloroethyl) ether					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4											
45	1,3-dichlorobenzene					<0.001 mg/kg					<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1											
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
	602-035-00-2	203-400-5	106-46-7											
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
	602-034-00-7	202-425-9	95-50-1											
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		200-666-4	67-72-1											
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-098-00-8	210-698-0	621-64-7											
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	609-003-00-7	202-716-0	98-95-3											
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	606-012-00-8	201-126-0	78-59-1											
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		201-857-5	88-75-5											
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]											
54	bis(2-chloroethoxy)methane					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1											
55	2,4-dichlorophenol					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2											
56	1,2,4-trichlorobenzene					<0.001 mg/kg					<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1											
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-137-00-9	203-401-0	106-47-8											
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
		201-765-5	87-68-3											
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-014-00-3	200-431-6	59-50-7											
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		202-078-3	91-57-6											
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	609-015-00-2	202-811-7	100-02-7											
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	602-078-00-7	201-029-3	77-47-4											
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-018-00-5	201-795-9	88-06-2											
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-017-00-X	202-467-8	95-95-4											
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		202-079-9	91-58-7											
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		205-011-6	131-11-3											

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS09-1-26/07/2022-1.00

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS09-1-26/07/2022-1.00</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>1.00-1.20 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>13%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				5.4 mg/kg	1.32	6.203 mg/kg	0.00062 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.11 mg/kg	1.142	0.109 mg/kg	0.0000109 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	20.345 mg/kg	0.00203 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	13.713 mg/kg	0.00137 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	26 mg/kg	1.56	35.283 mg/kg	0.00226 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				0.05 mg/kg	1.353	0.0589 mg/kg	0.00000589 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				7.4 mg/kg	2.976	19.161 mg/kg	0.00192 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.45 mg/kg	2.554	1.0 mg/kg	0.0001 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				50 mg/kg	2.774	120.675 mg/kg	0.0121 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							



#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				1.1 mg/kg	1.884	1.803 mg/kg	0.00018 %	✓	
18	pH		PH		8.6 pH		8.6 pH	8.6 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			0.36 mg/kg		0.313 mg/kg	0.0000313 %	✓	
24	anthracene 204-371-1	120-12-7			0.17 mg/kg		0.148 mg/kg	0.0000148 %	✓	
25	fluoranthene 205-912-4	206-44-0			1.3 mg/kg		1.131 mg/kg	0.000113 %	✓	
26	pyrene 204-927-3	129-00-0			1.2 mg/kg		1.044 mg/kg	0.000104 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		0.52 mg/kg		0.452 mg/kg	0.0000452 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		0.8 mg/kg		0.696 mg/kg	0.0000696 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		0.83 mg/kg		0.722 mg/kg	0.0000722 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.27 mg/kg		0.235 mg/kg	0.0000235 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		0.25 mg/kg		0.218 mg/kg	0.0000218 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3 200-549-8 62-75-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0 202-433-2 [1] 95-57-8 [1] 203-402-6 [2] 106-48-9 [2] 203-582-6 [3] 108-43-0 [3] 246-691-4 [4] 25167-80-0 [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2 203-870-1 111-44-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5 87-68-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0243 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: WS09-2-26/07/2022-1.4

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS09-2-26/07/2022-1.4</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>1.4-1.60 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>23%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 23% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				4.1 mg/kg	1.32	4.168 mg/kg	0.000417 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	12.379 mg/kg	0.00124 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				8.9 mg/kg	1.126	7.716 mg/kg	0.000772 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	22 mg/kg	1.56	26.423 mg/kg	0.00169 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				5.2 mg/kg	2.976	11.917 mg/kg	0.00119 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				39 mg/kg	2.774	83.308 mg/kg	0.00833 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		8.1 pH		8.1 pH	8.1 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			1.8 mg/kg		1.386 mg/kg	0.000139 %	✓	
24	anthracene 204-371-1	120-12-7			0.52 mg/kg		0.4 mg/kg	0.00004 %	✓	
25	fluoranthene 205-912-4	206-44-0			2.2 mg/kg		1.694 mg/kg	0.000169 %	✓	
26	pyrene 204-927-3	129-00-0			2.1 mg/kg		1.617 mg/kg	0.000162 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		1.3 mg/kg		1.001 mg/kg	0.0001 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		2.4 mg/kg		1.848 mg/kg	0.000185 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		2.6 mg/kg		2.002 mg/kg	0.0002 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.93 mg/kg		0.716 mg/kg	0.0000716 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		2 mg/kg		1.54 mg/kg	0.000154 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
36	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#	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							
42	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
43	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
44	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
45	monohydric phenols				2.2 mg/kg		1.694 mg/kg	0.000169 %	✓	
			P1186							
46	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
47	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
48	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
49	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
50	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
51	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
52	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
53	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
54	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
55	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
56	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
57	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
58	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							
59	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
60	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
61	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
62	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
63	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
64	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
65	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
66	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
67	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
68	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
69	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
70	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							

#	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							
71	1,2,3-trichloropropane 602-062-00-X   202-486-1   96-18-4				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
72	Propylbenzene 601-097-00-8   203-132-9   103-65-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
73	mesitylene; 1,3,5-trimethylbenzene 601-025-00-5   203-604-4   108-67-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
74	tert-butylbenzene 202-632-4   98-06-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
75	1,2,4-trimethylbenzene 601-043-00-3   202-436-9   95-63-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
76	sec-butylbenzene 205-227-0   135-98-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
77	4-isopropyltoluene 202-796-7   99-87-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
78	n-butylbenzene 203-209-7   104-51-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
79	1,2-dibromo-3-chloropropane 602-021-00-6   202-479-3   96-12-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
80	1,2,3-trichlorobenzene 201-757-1   87-61-6				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
81	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3] 602-026-00-3   208-750-2 [1]   540-59-0 [1] 205-859-7 [2]   156-59-2 [2] 205-860-2 [3]   156-60-5 [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
82	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4] 602-040-00-X   202-424-3 [1]   95-49-8 [1] 203-580-5 [2]   108-41-8 [2] 203-397-0 [3]   106-43-4 [3] 246-698-2 [4]   25168-05-2 [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
Total:								0.0164 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS13-1-26/07/2022-0.30

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS13-1-26/07/2022-0.30</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.30-0.50 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>9.2%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 9.2% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				5.1 mg/kg	1.32	6.114 mg/kg	0.000611 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.21 mg/kg	1.142	0.218 mg/kg	0.0000218 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	21.233 mg/kg	0.00212 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				23 mg/kg	1.126	23.513 mg/kg	0.00235 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	51 mg/kg	1.56	72.232 mg/kg	0.00463 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				0.08 mg/kg	1.353	0.0983 mg/kg	0.00000983 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				8.7 mg/kg	2.976	23.511 mg/kg	0.00235 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.29 mg/kg	2.554	0.672 mg/kg	0.0000672 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				68 mg/kg	2.774	171.287 mg/kg	0.0171 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							



#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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 }				0.9 mg/kg	1.884	1.54 mg/kg	0.000154 %	✓	
18	pH		PH		8.7 pH		8.7 pH	8.7 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		0.33 mg/kg		0.3 mg/kg	0.00003 %	✓	
20	acenaphthylene	205-917-1	208-96-8		0.27 mg/kg		0.245 mg/kg	0.0000245 %	✓	
21	acenaphthene	201-469-6	83-32-9		0.52 mg/kg		0.472 mg/kg	0.0000472 %	✓	
22	fluorene	201-695-5	86-73-7		0.6 mg/kg		0.545 mg/kg	0.0000545 %	✓	
23	phenanthrene	201-581-5	85-01-8		5 mg/kg		4.54 mg/kg	0.000454 %	✓	
24	anthracene	204-371-1	120-12-7		1.8 mg/kg		1.634 mg/kg	0.000163 %	✓	
25	fluoranthene	205-912-4	206-44-0		7.3 mg/kg		6.628 mg/kg	0.000663 %	✓	
26	pyrene	204-927-3	129-00-0		7 mg/kg		6.356 mg/kg	0.000636 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		3 mg/kg		2.724 mg/kg	0.000272 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		3.6 mg/kg		3.269 mg/kg	0.000327 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		3.8 mg/kg		3.45 mg/kg	0.000345 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		1.5 mg/kg		1.362 mg/kg	0.000136 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		3.3 mg/kg		2.996 mg/kg	0.0003 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			2 mg/kg		1.816 mg/kg	0.000182 %	✓	
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.66 mg/kg		0.599 mg/kg	0.0000599 %	✓	
34	benzo[ghi]perylene 205-883-8	191-24-2			2.3 mg/kg		2.088 mg/kg	0.000209 %	✓	
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5	107-06-2, 75-34-3			<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-077-00-3	200-549-8	62-75-9							
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
44	bis(2-chloroethyl) ether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
45	1,3-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		200-666-4	67-72-1							
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-098-00-8	210-698-0	621-64-7							
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-003-00-7	202-716-0	98-95-3							
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-857-5	88-75-5							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
54	bis(2-chloroethoxy)methane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1							
55	2,4-dichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
56	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-078-3	91-57-6							
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	602-078-00-7	201-029-3	77-47-4							
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-079-9	91-58-7							
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-011-6	131-11-3							

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0365 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: WS14-2-26/07/2022-0.90

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS14-2-26/07/2022-0.90</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.90-1.10 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>11%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				3.5 mg/kg	1.32	4.113 mg/kg	0.000411 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.1 mg/kg	1.142	0.102 mg/kg	0.0000102 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				8.8 mg/kg	1.462	11.447 mg/kg	0.00114 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				8.5 mg/kg	1.126	8.517 mg/kg	0.000852 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	44 mg/kg	1.56	61.082 mg/kg	0.00392 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				5.8 mg/kg	2.976	15.363 mg/kg	0.00154 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				49 mg/kg	2.774	120.981 mg/kg	0.0121 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				0.6 mg/kg	1.884	1.006 mg/kg	0.000101 %	✓	
18	pH		PH		5.9 pH		5.9 pH	5.9 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			0.23 mg/kg		0.205 mg/kg	0.0000205 %	✓	
26	pyrene 204-927-3	129-00-0			0.26 mg/kg		0.231 mg/kg	0.0000231 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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													
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-077-00-3	200-549-8	62-75-9													
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]													
44	bis(2-chloroethyl) ether										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4													
45	1,3-dichlorobenzene										<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1													
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
	602-035-00-2	203-400-5	106-46-7													
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
	602-034-00-7	202-425-9	95-50-1													
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		200-666-4	67-72-1													
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-098-00-8	210-698-0	621-64-7													
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	609-003-00-7	202-716-0	98-95-3													
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	606-012-00-8	201-126-0	78-59-1													
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		201-857-5	88-75-5													
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]													
54	bis(2-chloroethoxy)methane										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1													
55	2,4-dichlorophenol										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2													
56	1,2,4-trichlorobenzene										<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1													
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-137-00-9	203-401-0	106-47-8													
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
		201-765-5	87-68-3													
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-014-00-3	200-431-6	59-50-7													
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		202-078-3	91-57-6													
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	609-015-00-2	202-811-7	100-02-7													
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	602-078-00-7	201-029-3	77-47-4													
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-018-00-5	201-795-9	88-06-2													
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-017-00-X	202-467-8	95-95-4													
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		202-079-9	91-58-7													
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		205-011-6	131-11-3													

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							



#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS14-1-26/07/2022-0.30

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS14-1-26/07/2022-0.30</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.30-0.60 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>16%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 16% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				5.2 mg/kg	1.32	5.767 mg/kg	0.000577 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10 mg/kg	1.462	12.277 mg/kg	0.00123 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				4.9 mg/kg	1.126	4.634 mg/kg	0.000463 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	6.4 mg/kg	1.56	8.386 mg/kg	0.000538 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				5 mg/kg	2.976	12.5 mg/kg	0.00125 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				12 mg/kg	2.774	27.963 mg/kg	0.0028 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				0.7 mg/kg	1.884	1.108 mg/kg	0.000111 %	✓	
18	pH		PH		6.6 pH		6.6 pH	6.6 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3 200-549-8 62-75-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0 202-433-2 [1] 95-57-8 [1] 203-402-6 [2] 106-48-9 [2] 203-582-6 [3] 108-43-0 [3] 246-691-4 [4] 25167-80-0 [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2 203-870-1 111-44-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] 2 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5 87-68-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							



#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0104 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS15-1-26/07/2022-0.30

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS15-1-26/07/2022-0.30</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.30-1.00 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>20%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				2.3 mg/kg	1.32	2.429 mg/kg	0.000243 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4 mg/kg	1.462	4.677 mg/kg	0.000468 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				1.4 mg/kg	1.126	1.261 mg/kg	0.000126 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	8.3 mg/kg	1.56	10.357 mg/kg	0.000664 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				1.3 mg/kg	2.976	3.095 mg/kg	0.00031 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				6 mg/kg	2.774	13.316 mg/kg	0.00133 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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	1.507 mg/kg	0.000151 %	✓	
18	pH		PH		7.3 pH		7.3 pH	7.3 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3 200-549-8 62-75-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0 202-433-2 [1] 95-57-8 [1] 203-402-6 [2] 106-48-9 [2] 203-582-6 [3] 108-43-0 [3] 246-691-4 [4] 25167-80-0 [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2 203-870-1 111-44-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5 87-68-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				0.19 mg/kg		0.152 mg/kg	0.0000152 %	✓	
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.00674 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS17-2-26/07/2022-0.75

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS17-2-26/07/2022-0.75</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.75-1.00 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>12%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				6 mg/kg	1.32	6.971 mg/kg	0.000697 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.7 mg/kg	1.462	12.476 mg/kg	0.00125 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				4.8 mg/kg	1.126	4.756 mg/kg	0.000476 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	22 mg/kg	1.56	30.198 mg/kg	0.00194 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				4.9 mg/kg	2.976	12.834 mg/kg	0.00128 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.29 mg/kg	2.554	0.652 mg/kg	0.0000652 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				23 mg/kg	2.774	56.149 mg/kg	0.00561 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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	1.658 mg/kg	0.000166 %	✓	
18	pH		PH		7.8 pH		7.8 pH	7.8 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		0.11 mg/kg		0.0968 mg/kg	0.00000968 %	✓	
20	acenaphthylene 205-917-1	208-96-8			0.33 mg/kg		0.29 mg/kg	0.000029 %	✓	
21	acenaphthene 201-469-6	83-32-9			0.68 mg/kg		0.598 mg/kg	0.0000598 %	✓	
22	fluorene 201-695-5	86-73-7			0.64 mg/kg		0.563 mg/kg	0.0000563 %	✓	
23	phenanthrene 201-581-5	85-01-8			7.6 mg/kg		6.688 mg/kg	0.000669 %	✓	
24	anthracene 204-371-1	120-12-7			2.4 mg/kg		2.112 mg/kg	0.000211 %	✓	
25	fluoranthene 205-912-4	206-44-0			14 mg/kg		12.32 mg/kg	0.00123 %	✓	
26	pyrene 204-927-3	129-00-0			13 mg/kg		11.44 mg/kg	0.00114 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		7 mg/kg		6.16 mg/kg	0.000616 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		6.3 mg/kg		5.544 mg/kg	0.000554 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		9.6 mg/kg		8.448 mg/kg	0.000845 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		3.3 mg/kg		2.904 mg/kg	0.00029 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		6.9 mg/kg		6.072 mg/kg	0.000607 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			4.9 mg/kg		4.312 mg/kg	0.000431 %	✓	
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		1.3 mg/kg		1.144 mg/kg	0.000114 %	✓	
34	benzo[ghi]perylene 205-883-8	191-24-2			5 mg/kg		4.4 mg/kg	0.00044 %	✓	
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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													
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-077-00-3	200-549-8	62-75-9													
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]													
44	bis(2-chloroethyl) ether										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4													
45	1,3-dichlorobenzene										<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1													
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
	602-035-00-2	203-400-5	106-46-7													
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
	602-034-00-7	202-425-9	95-50-1													
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		200-666-4	67-72-1													
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-098-00-8	210-698-0	621-64-7													
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	609-003-00-7	202-716-0	98-95-3													
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	606-012-00-8	201-126-0	78-59-1													
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		201-857-5	88-75-5													
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]													
54	bis(2-chloroethoxy)methane										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1													
55	2,4-dichlorophenol										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2													
56	1,2,4-trichlorobenzene										<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1													
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-137-00-9	203-401-0	106-47-8													
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
		201-765-5	87-68-3													
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-014-00-3	200-431-6	59-50-7													
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		202-078-3	91-57-6													
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	609-015-00-2	202-811-7	100-02-7													
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	602-078-00-7	201-029-3	77-47-4													
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-018-00-5	201-795-9	88-06-2													
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-017-00-X	202-467-8	95-95-4													
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		202-079-9	91-58-7													
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		205-011-6	131-11-3													

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.022 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS17-1-26/07/2022-0.45

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS17-1-26/07/2022-0.45</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.45-0.65 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>6.3%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 6.3% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				2.6 mg/kg	1.32	3.217 mg/kg	0.000322 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				7.8 mg/kg	1.462	10.682 mg/kg	0.00107 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				12 mg/kg	1.126	12.659 mg/kg	0.00127 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	42 mg/kg	1.56	61.385 mg/kg	0.00394 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				0.25 mg/kg	1.353	0.317 mg/kg	0.0000317 %	✓	
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				4.6 mg/kg	2.976	12.828 mg/kg	0.00128 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				57 mg/kg	2.774	148.164 mg/kg	0.0148 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				870 mg/kg		815.19 mg/kg	0.0815 %	✓	
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							



#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		8.2 pH		8.2 pH	8.2 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			2.7 mg/kg		2.53 mg/kg	0.000253 %	✓	
24	anthracene 204-371-1	120-12-7			1.6 mg/kg		1.499 mg/kg	0.00015 %	✓	
25	fluoranthene 205-912-4	206-44-0			6.2 mg/kg		5.809 mg/kg	0.000581 %	✓	
26	pyrene 204-927-3	129-00-0			6.8 mg/kg		6.372 mg/kg	0.000637 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		4.6 mg/kg		4.31 mg/kg	0.000431 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		4.1 mg/kg		3.842 mg/kg	0.000384 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		8.4 mg/kg		7.871 mg/kg	0.000787 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		3.5 mg/kg		3.28 mg/kg	0.000328 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		7 mg/kg		6.559 mg/kg	0.000656 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			5.5 mg/kg		5.154 mg/kg	0.000515 %	✓	
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		1.6 mg/kg		1.499 mg/kg	0.00015 %	✓	
34	benzo[ghi]perylene 205-883-8	191-24-2			8.3 mg/kg		7.777 mg/kg	0.000778 %	✓	
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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													
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-077-00-3	200-549-8	62-75-9													
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]													
44	bis(2-chloroethyl) ether										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4													
45	1,3-dichlorobenzene										<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1													
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
	602-035-00-2	203-400-5	106-46-7													
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
	602-034-00-7	202-425-9	95-50-1													
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		200-666-4	67-72-1													
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-098-00-8	210-698-0	621-64-7													
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	609-003-00-7	202-716-0	98-95-3													
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	606-012-00-8	201-126-0	78-59-1													
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		201-857-5	88-75-5													
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]													
54	bis(2-chloroethoxy)methane										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1													
55	2,4-dichlorophenol										<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2													
56	1,2,4-trichlorobenzene										<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1													
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	612-137-00-9	203-401-0	106-47-8													
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD						
		201-765-5	87-68-3													
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-014-00-3	200-431-6	59-50-7													
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		202-078-3	91-57-6													
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	609-015-00-2	202-811-7	100-02-7													
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	602-078-00-7	201-029-3	77-47-4													
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-018-00-5	201-795-9	88-06-2													
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
	604-017-00-X	202-467-8	95-95-4													
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		202-079-9	91-58-7													
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD						
		205-011-6	131-11-3													

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.112 %		

**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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- 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 because Non flammable below 12500mg/kg

Hazard Statements hit:


**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0815%)



Classification of sample: WS19-1-26/07/2022-0.20

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

### Sample details

Sample name:	LoW Code:	
<b>WS19-1-26/07/2022-0.20</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
<b>0.20-0.30 m</b>		
Moisture content:		
<b>6%</b> (wet weight correction)		

### Hazard properties

**HP 7: Carcinogenic** "waste which induces cancer or increases its incidence"

Hazard Statements hit:

**Carc. 1B; H350** "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.113%)

**HP 11: Mutagenic** "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

**Muta. 1B; H340** "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.113%)

### Determinands

Moisture content: 6% Wet Weight Moisture Correction applied (MC)

#	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								
1	arsenic { arsenic trioxide }				3.6	mg/kg	1.32	4.468 mg/kg	0.000447 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.215 mg/kg	0.0000215 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10	mg/kg	1.462	13.739 mg/kg	0.00137 %	✓	
		215-160-9	1308-38-9								
4	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5	mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8										
5	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	11.642 mg/kg	0.00116 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
6	lead { lead chromate }			1	35	mg/kg	1.56	51.318 mg/kg	0.00329 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
7	mercury { mercury dichloride }				0.05	mg/kg	1.353	0.0636 mg/kg	0.00000636 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
8	nickel { nickel chromate }				8	mg/kg	2.976	22.382 mg/kg	0.00224 %	✓	
	028-035-00-7	238-766-5	14721-18-7								

#	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							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				79 mg/kg	2.774	206.008 mg/kg	0.0206 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				1200 mg/kg		1128 mg/kg	0.113 %	✓	
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
16	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]							
17	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
	006-007-00-5									
18	pH				8.6 pH		8.6 pH	8.6 pH		
			PH							
19	naphthalene				1.6 mg/kg		1.504 mg/kg	0.00015 %	✓	
	601-052-00-2	202-049-5	91-20-3							
20	acenaphthylene				0.72 mg/kg		0.677 mg/kg	0.0000677 %	✓	
		205-917-1	208-96-8							
21	acenaphthene				2.3 mg/kg		2.162 mg/kg	0.000216 %	✓	
		201-469-6	83-32-9							
22	fluorene				2.1 mg/kg		1.974 mg/kg	0.000197 %	✓	
		201-695-5	86-73-7							
23	phenanthrene				13 mg/kg		12.22 mg/kg	0.00122 %	✓	
		201-581-5	85-01-8							
24	anthracene				3.6 mg/kg		3.384 mg/kg	0.000338 %	✓	
		204-371-1	120-12-7							
25	fluoranthene				20 mg/kg		18.8 mg/kg	0.00188 %	✓	
		205-912-4	206-44-0							
26	pyrene				17 mg/kg		15.98 mg/kg	0.0016 %	✓	
		204-927-3	129-00-0							
27	benzo[a]anthracene				9.4 mg/kg		8.836 mg/kg	0.000884 %	✓	
	601-033-00-9	200-280-6	56-55-3							
28	chrysene				8.3 mg/kg		7.802 mg/kg	0.00078 %	✓	
	601-048-00-0	205-923-4	218-01-9							
29	benzo[b]fluoranthene				13 mg/kg		12.22 mg/kg	0.00122 %	✓	
	601-034-00-4	205-911-9	205-99-2							
30	benzo[k]fluoranthene				5.1 mg/kg		4.794 mg/kg	0.000479 %	✓	
	601-036-00-5	205-916-6	207-08-9							
31	benzo[a]pyrene; benzo[def]chrysene				10 mg/kg		9.4 mg/kg	0.00094 %	✓	
	601-032-00-3	200-028-5	50-32-8							
32	indeno[123-cd]pyrene				7.8 mg/kg		7.332 mg/kg	0.000733 %	✓	
		205-893-2	193-39-5							
33	dibenz[a,h]anthracene				3 mg/kg		2.82 mg/kg	0.000282 %	✓	
	601-041-00-2	200-181-8	53-70-3							
34	benzo[ghi]perylene				10 mg/kg		9.4 mg/kg	0.00094 %	✓	
		205-883-8	191-24-2							

#	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							
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined)	203-458-1, 200-863-5	107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3	200-549-8	62-75-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2	203-870-1	111-44-4		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7	202-425-9	95-50-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4	67-72-1			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8	210-698-0	621-64-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7	202-716-0	98-95-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8	201-126-0	78-59-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5	88-75-5			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2	111-91-1			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7	204-429-6	120-83-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6	204-428-0	120-82-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9	203-401-0	106-47-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5	87-68-3			<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3	200-431-6	59-50-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
60	2-methyl naphthalene	202-078-3	91-57-6		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene	202-079-9	91-58-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate	205-011-6	131-11-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
67	2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
68	dibenzofuran	205-071-3	132-64-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
69	4-chlorophenylphenylether	230-281-7	7005-72-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
71	diethyl phthalate	201-550-6	84-66-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
72	DNOC (ISO); 4,6-dinitro-o-cresol	609-020-00-X	208-601-1	534-52-1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
73	azobenzene	611-001-00-6	203-102-5	103-33-3	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
74	4-bromophenylphenylether	202-952-4	101-55-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
75	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
76	carbazole	201-696-0	86-74-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
77	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
78	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
80	di-n-octyl phthalate	204-214-7	117-84-0		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
81	monohydric phenols		P1186		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	dichlorodifluoromethane	200-893-9	75-71-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
83	chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
84	bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
85	chloroethane	602-009-00-0	200-830-5	75-00-3	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
86	trichlorofluoromethane	200-892-3	75-69-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
87	1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
88	bromochloromethane	200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD

#	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							
89	chloroform; trichloromethane 602-006-00-4 200-663-8 67-66-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
90	1,1,1-trichloroethane; methyl chloroform 602-013-00-2 200-756-3 71-55-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
91	1,1-dichloropropene 602-031-00-0 209-253-3 563-58-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
92	1,2-dichloropropane; propylene dichloride 602-020-00-0 201-152-2 78-87-5				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
93	dibromomethane 602-003-00-8 200-824-2 74-95-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
94	bromodichloromethane 200-856-7 75-27-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2] 602-030-00-5 208-826-5 [1] 542-75-6 [1] 233-195-8 [2] 10061-01-5 [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
96	trans-1,3-dichloropropene 431-460-4 10061-02-6				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
97	1,1,2-trichloroethane 602-014-00-8 201-166-9 79-00-5				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
98	1,3-dichloropropane 205-531-3 142-28-9				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	dibromochloromethane 204-704-0 124-48-1				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
100	1,2-dibromoethane 602-010-00-6 203-444-5 106-93-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
101	chlorobenzene 602-033-00-1 203-628-5 108-90-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
102	1,1,1,2-tetrachloroethane 211-135-1 630-20-6				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	styrene 601-026-00-0 202-851-5 100-42-5				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
104	bromoform; tribromomethane 602-007-00-X 200-854-6 75-25-2				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
105	cumene; [1] propylbenzene [2] 601-024-00-X 202-704-5 [1] 98-82-8 [1] 203-132-9 [2] 103-65-1 [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
106	bromobenzene 602-060-00-9 203-623-8 108-86-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	1,2,3-trichloropropane 602-062-00-X 202-486-1 96-18-4				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
108	Propylbenzene 601-097-00-8 203-132-9 103-65-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
109	mesitylene; 1,3,5-trimethylbenzene 601-025-00-5 203-604-4 108-67-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
110	tert-butylbenzene 202-632-4 98-06-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
111	1,2,4-trimethylbenzene 601-043-00-3 202-436-9 95-63-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
112	sec-butylbenzene 205-227-0 135-98-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
113	4-isopropyltoluene 202-796-7 99-87-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	n-butylbenzene 203-209-7 104-51-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
115	1,2-dibromo-3-chloropropane 602-021-00-6 202-479-3 96-12-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
116	1,2,3-trichlorobenzene 201-757-1 87-61-6				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD



#	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							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1]	108-39-4 [1]							
		202-423-8 [2]	95-48-7 [2]							
		203-398-6 [3]	106-44-5 [3]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1]	88-74-4 [1]							
		202-729-1 [2]	99-09-2 [2]							
		202-810-1 [3]	100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1]	540-59-0 [1]							
		205-859-7 [2]	156-59-2 [2]							
		205-860-2 [3]	156-60-5 [3]							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
								Total:		0.156 %

**Key**

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- 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 because Non flammable below 12500mg/kg

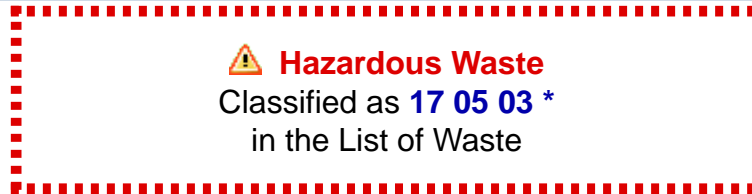
Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.113%)

Classification of sample: WS20-2-26/07/2022-0.60



**Sample details**

Sample name:	LoW Code:	
<b>WS20-2-26/07/2022-0.60</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 03 * (Soil and stones containing hazardous substances)
<b>0.60-1.00 m</b>		
Moisture content:		
<b>2.9%</b>		
(wet weight correction)		

**Hazard properties**

**HP 7: Carcinogenic** "waste which induces cancer or increases its incidence"

Hazard Statements hit:

**Carc. 1B; H350** "May cause cancer [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.146%)

**HP 11: Mutagenic** "waste which may cause a mutation, that is a permanent change in the amount or structure of the genetic material in a cell"

Hazard Statements hit:

**Muta. 1B; H340** "May cause genetic defects [state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard]."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.146%)

**Determinands**

Moisture content: 2.9% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				4.4 mg/kg	1.32	5.641 mg/kg	0.000564 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.16 mg/kg	1.142	0.177 mg/kg	0.0000177 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	15.611 mg/kg	0.00156 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium(VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				8.6 mg/kg	1.126	9.402 mg/kg	0.00094 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	21 mg/kg	1.56	31.806 mg/kg	0.00204 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.00000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				6.5 mg/kg	2.976	18.785 mg/kg	0.00188 %	✓	
	028-035-00-7	238-766-5	14721-18-7							

#	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								
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD	
	028-031-00-5	239-125-2	15060-62-5								
10	zinc { zinc chromate }				38 mg/kg	2.774	102.36 mg/kg	0.0102 %	✓		
	024-007-00-3	236-878-9	13530-65-9								
11	TPH (C6 to C40) petroleum group				1500 mg/kg		1456.5 mg/kg	0.146 %	✓		
			TPH								
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	603-181-00-X	216-653-1	1634-04-4								
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	601-020-00-8	200-753-7	71-43-2								
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	601-021-00-3	203-625-9	108-88-3								
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD	
	601-023-00-4	202-849-4	100-41-4								
16	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD	
	601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]								
17	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD	
	006-007-00-5										
18	pH				8.2 pH		8.2 pH	8.2 pH			
			PH								
19	naphthalene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD	
	601-052-00-2	202-049-5	91-20-3								
20	acenaphthylene				1 mg/kg		0.971 mg/kg	0.0000971 %	✓		
		205-917-1	208-96-8								
21	acenaphthene				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD	
		201-469-6	83-32-9								
22	fluorene				0.58 mg/kg		0.563 mg/kg	0.0000563 %	✓		
		201-695-5	86-73-7								
23	phenanthrene				12 mg/kg		11.652 mg/kg	0.00117 %	✓		
		201-581-5	85-01-8								
24	anthracene				3.7 mg/kg		3.593 mg/kg	0.000359 %	✓		
		204-371-1	120-12-7								
25	fluoranthene				38 mg/kg		36.898 mg/kg	0.00369 %	✓		
		205-912-4	206-44-0								
26	pyrene				30 mg/kg		29.13 mg/kg	0.00291 %	✓		
		204-927-3	129-00-0								
27	benzo[a]anthracene				18 mg/kg		17.478 mg/kg	0.00175 %	✓		
	601-033-00-9	200-280-6	56-55-3								
28	chrysene				10 mg/kg		9.71 mg/kg	0.000971 %	✓		
	601-048-00-0	205-923-4	218-01-9								
29	benzo[b]fluoranthene				21 mg/kg		20.391 mg/kg	0.00204 %	✓		
	601-034-00-4	205-911-9	205-99-2								
30	benzo[k]fluoranthene				4.8 mg/kg		4.661 mg/kg	0.000466 %	✓		
	601-036-00-5	205-916-6	207-08-9								
31	benzo[a]pyrene; benzo[def]chrysene				9.9 mg/kg		9.613 mg/kg	0.000961 %	✓		
	601-032-00-3	200-028-5	50-32-8								
32	indeno[123-cd]pyrene				7.7 mg/kg		7.477 mg/kg	0.000748 %	✓		
		205-893-2	193-39-5								
33	dibenz[a,h]anthracene				2 mg/kg		1.942 mg/kg	0.000194 %	✓		
	601-041-00-2	200-181-8	53-70-3								
34	benzo[ghi]perylene				11 mg/kg		10.681 mg/kg	0.00107 %	✓		
		205-883-8	191-24-2								

#	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							
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined)	203-458-1, 200-863-5	107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3	200-549-8	62-75-9		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2	203-870-1	111-44-4		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7	202-425-9	95-50-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4	67-72-1			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8	210-698-0	621-64-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7	202-716-0	98-95-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8	201-126-0	78-59-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5	88-75-5			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2	111-91-1			<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7	204-429-6	120-83-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6	204-428-0	120-82-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9	203-401-0	106-47-8		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5	87-68-3			<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3	200-431-6	59-50-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
60	2-methyl naphthalene	202-078-3	91-57-6		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol	609-015-00-2	202-811-7	100-02-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene	602-078-00-7	201-029-3	77-47-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol	604-018-00-5	201-795-9	88-06-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol	604-017-00-X	202-467-8	95-95-4	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene	202-079-9	91-58-7		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate	205-011-6	131-11-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
67	2,6-dinitrotoluene	609-049-00-8	210-106-0	606-20-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
68	dibenzofuran	205-071-3	132-64-9		0.51 mg/kg		0.495 mg/kg	0.0000495 %	✓	
69	4-chlorophenylphenylether	230-281-7	7005-72-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
71	diethyl phthalate	201-550-6	84-66-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
72	DNOC (ISO); 4,6-dinitro-o-cresol	609-020-00-X	208-601-1	534-52-1	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
73	azobenzene	611-001-00-6	203-102-5	103-33-3	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
74	4-bromophenylphenylether	202-952-4	101-55-3		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
75	pentachlorophenol	604-002-00-8	201-778-6	87-86-5	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
76	carbazole	201-696-0	86-74-8		1.3 mg/kg		1.262 mg/kg	0.000126 %	✓	
77	dibutyl phthalate; DBP	607-318-00-4	201-557-4	84-74-2	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
78	BBP; benzyl butyl phthalate	607-430-00-3	201-622-7	85-68-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	607-317-00-9	204-211-0	117-81-7	<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
80	di-n-octyl phthalate	204-214-7	117-84-0		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
81	monohydric phenols		P1186		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	dichlorodifluoromethane	200-893-9	75-71-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
83	chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
84	bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
85	chloroethane	602-009-00-0	200-830-5	75-00-3	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
86	trichlorofluoromethane	200-892-3	75-69-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
87	1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
88	bromochloromethane	200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD



#	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							
89	chloroform; trichloromethane 602-006-00-4 200-663-8 67-66-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
90	1,1,1-trichloroethane; methyl chloroform 602-013-00-2 200-756-3 71-55-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
91	1,1-dichloropropene 602-031-00-0 209-253-3 563-58-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
92	1,2-dichloropropane; propylene dichloride 602-020-00-0 201-152-2 78-87-5				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
93	dibromomethane 602-003-00-8 200-824-2 74-95-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
94	bromodichloromethane 200-856-7 75-27-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2] 602-030-00-5 208-826-5 [1] 542-75-6 [1] 233-195-8 [2] 10061-01-5 [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
96	trans-1,3-dichloropropene 431-460-4 10061-02-6				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
97	1,1,2-trichloroethane 602-014-00-8 201-166-9 79-00-5				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
98	1,3-dichloropropane 205-531-3 142-28-9				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
99	dibromochloromethane 204-704-0 124-48-1				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
100	1,2-dibromoethane 602-010-00-6 203-444-5 106-93-4				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
101	chlorobenzene 602-033-00-1 203-628-5 108-90-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
102	1,1,1,2-tetrachloroethane 211-135-1 630-20-6				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
103	styrene 601-026-00-0 202-851-5 100-42-5				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
104	bromoform; tribromomethane 602-007-00-X 200-854-6 75-25-2				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
105	cumene; [1] propylbenzene [2] 601-024-00-X 202-704-5 [1] 98-82-8 [1] 203-132-9 [2] 103-65-1 [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
106	bromobenzene 602-060-00-9 203-623-8 108-86-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
107	1,2,3-trichloropropane 602-062-00-X 202-486-1 96-18-4				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
108	Propylbenzene 601-097-00-8 203-132-9 103-65-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
109	mesitylene; 1,3,5-trimethylbenzene 601-025-00-5 203-604-4 108-67-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
110	tert-butylbenzene 202-632-4 98-06-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
111	1,2,4-trimethylbenzene 601-043-00-3 202-436-9 95-63-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
112	sec-butylbenzene 205-227-0 135-98-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
113	4-isopropyltoluene 202-796-7 99-87-6				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
114	n-butylbenzene 203-209-7 104-51-8				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
115	1,2-dibromo-3-chloropropane 602-021-00-6 202-479-3 96-12-8				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
116	1,2,3-trichlorobenzene 201-757-1 87-61-6				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD

#	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							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1]	108-39-4 [1]							
		202-423-8 [2]	95-48-7 [2]							
		203-398-6 [3]	106-44-5 [3]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1]	88-74-4 [1]							
		202-729-1 [2]	99-09-2 [2]							
		202-810-1 [3]	100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1]	540-59-0 [1]							
		205-859-7 [2]	156-59-2 [2]							
		205-860-2 [3]	156-60-5 [3]							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
								Total:	0.182 %	

Key

- User supplied data
- Determinand values ignored for classification, see column 'Conc. Not Used' for reason
- Hazardous result
- Determinand defined or amended by HazWasteOnline (see Appendix A)
- ⚙ Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- 🇪🇺 This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- 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 because Non flammable below 12500mg/kg

Hazard Statements hit:

**Fam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.146%)

Classification of sample: WS20-1-26/07/2022-0.30

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS20-1-26/07/2022-0.30</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.30-0.40 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>7.2%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 7.2% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				4.8 mg/kg	1.32	5.881 mg/kg	0.000588 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.212 mg/kg	0.0000212 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.9 mg/kg	1.462	13.428 mg/kg	0.00134 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				14 mg/kg	1.126	14.628 mg/kg	0.00146 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	33 mg/kg	1.56	47.768 mg/kg	0.00306 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				8 mg/kg	2.976	22.096 mg/kg	0.00221 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				76 mg/kg	2.774	195.655 mg/kg	0.0196 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				0.7 mg/kg	1.884	1.224 mg/kg	0.000122 %	✓	
18	pH		PH		9.2 pH		9.2 pH	9.2 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			0.44 mg/kg		0.408 mg/kg	0.0000408 %	✓	
24	anthracene 204-371-1	120-12-7			0.25 mg/kg		0.232 mg/kg	0.0000232 %	✓	
25	fluoranthene 205-912-4	206-44-0			1.3 mg/kg		1.206 mg/kg	0.000121 %	✓	
26	pyrene 204-927-3	129-00-0			1.6 mg/kg		1.485 mg/kg	0.000148 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		1.2 mg/kg		1.114 mg/kg	0.000111 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		1.5 mg/kg		1.392 mg/kg	0.000139 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		1.5 mg/kg		1.392 mg/kg	0.000139 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.96 mg/kg		0.891 mg/kg	0.0000891 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		2 mg/kg		1.856 mg/kg	0.000186 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3 200-549-8 62-75-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0 202-433-2 [1] 95-57-8 [1] 203-402-6 [2] 106-48-9 [2] 203-582-6 [3] 108-43-0 [3] 246-691-4 [4] 25167-80-0 [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2 203-870-1 111-44-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5 87-68-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD





#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0327 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS21-1-26/07/2022-0.40

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>WS21-1-26/07/2022-0.40</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.40-0.60 m</b>		
Moisture content:		
<b>24%</b>		
(wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 24% Wet Weight Moisture Correction applied (MC)

#	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								
1	arsenic { arsenic trioxide }				4.2	mg/kg	1.32	4.214 mg/kg	0.000421 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				0.16	mg/kg	1.142	0.139 mg/kg	0.0000139 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11	mg/kg	1.462	12.219 mg/kg	0.00122 %	✓	
		215-160-9	1308-38-9								
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5	mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8										
5	copper { dicopper oxide; copper (I) oxide }				130	mg/kg	1.126	111.238 mg/kg	0.0111 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
6	lead { lead chromate }			1	60	mg/kg	1.56	71.128 mg/kg	0.00456 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
7	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.072 mg/kg	0.0000072 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
8	nickel { nickel chromate }				7.6	mg/kg	2.976	17.191 mg/kg	0.00172 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
9	selenium { nickel selenate }				<0.25	mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5								
10	zinc { zinc chromate }				78	mg/kg	2.774	164.451 mg/kg	0.0164 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
11	TPH (C6 to C40) petroleum group				490	mg/kg		372.4 mg/kg	0.0372 %	✓	
			TPH								
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4								
13	benzene				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2								
14	toluene				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3								
15	ethylbenzene				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4								

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				0.9 mg/kg	1.884	1.289 mg/kg	0.000129 %	✓	
18	pH		PH		7.8 pH		7.8 pH	7.8 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD





#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-077-00-3	200-549-8	62-75-9							
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-008-00-0	202-433-2 [1]	95-57-8 [1]							
		203-402-6 [2]	106-48-9 [2]							
		203-582-6 [3]	108-43-0 [3]							
		246-691-4 [4]	25167-80-0 [4]							
44	bis(2-chloroethyl) ether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
45	1,3-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		200-666-4	67-72-1							
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-098-00-8	210-698-0	621-64-7							
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-003-00-7	202-716-0	98-95-3							
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-857-5	88-75-5							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-006-00-X	202-439-5 [1]	95-65-8 [1] 95-87-4							
		202-461-5 [2]	[2] 105-67-9 [3]							
		203-321-6 [3]	526-75-0 [4]							
		208-395-3 [4]	576-26-1 [5]							
		209-400-1 [5]	1300-71-6 [6]							
		215-089-3 [6]	71975-58-1 [7]							
		276-245-4 [7]								
54	bis(2-chloroethoxy)methane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1							
55	2,4-dichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
56	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-078-3	91-57-6							
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	602-078-00-7	201-029-3	77-47-4							
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-079-9	91-58-7							
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-011-6	131-11-3							

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				0.24 mg/kg		0.182 mg/kg	0.0000182 %	✓	
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0753 %		

**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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- 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 because Non flammable below 12500mg/kg

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0372%)

Classification of sample: WS21-2-26/07/2022-1.25

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS21-2-26/07/2022-1.25</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.25-1.50 m</b>	
Moisture content:	
<b>11%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				2.3 mg/kg	1.32	2.703 mg/kg	0.00027 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				4.2 mg/kg	1.462	5.463 mg/kg	0.000546 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				3.9 mg/kg	1.126	3.908 mg/kg	0.000391 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	12 mg/kg	1.56	16.659 mg/kg	0.00107 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				3.9 mg/kg	2.976	10.331 mg/kg	0.00103 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				<0.25 mg/kg	2.554	<0.638 mg/kg	<0.0000638 %		<LOD
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				8.5 mg/kg	2.774	20.986 mg/kg	0.0021 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							





#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				1.3 mg/kg	1.884	2.18 mg/kg	0.000218 %	✓	
18	pH		PH		6.4 pH		6.4 pH	6.4 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
36	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#	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							
42	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
43	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
44	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
45	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
46	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
47	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
48	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
49	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
50	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
51	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
52	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
53	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
54	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
55	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
56	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
57	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
58	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							
59	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
60	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
61	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
62	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
63	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
64	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
65	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
66	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
67	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
68	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
69	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
70	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							

#	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							
71	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
72	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
73	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
74	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
75	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
76	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
77	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
78	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
79	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
80	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
81	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
82	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
Total:								0.00701 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS22-1-26/07/2022-1.10

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS22-1-26/07/2022-1.10</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.10-1.30 m</b>	
Moisture content:	
<b>10%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				9.3 mg/kg	1.32	11.051 mg/kg	0.00111 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				16 mg/kg	1.462	21.046 mg/kg	0.0021 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				5.2 mg/kg	1.126	5.269 mg/kg	0.000527 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	7 mg/kg	1.56	9.827 mg/kg	0.00063 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				5.5 mg/kg	2.976	14.733 mg/kg	0.00147 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.28 mg/kg	2.554	0.644 mg/kg	0.0000644 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				14 mg/kg	2.774	34.954 mg/kg	0.0035 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		7.8 pH		7.8 pH	7.8 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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											
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-077-00-3	200-549-8	62-75-9											
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]											
44	bis(2-chloroethyl) ether					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4											
45	1,3-dichlorobenzene					<0.001 mg/kg					<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1											
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
	602-035-00-2	203-400-5	106-46-7											
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
	602-034-00-7	202-425-9	95-50-1											
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		200-666-4	67-72-1											
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-098-00-8	210-698-0	621-64-7											
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	609-003-00-7	202-716-0	98-95-3											
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	606-012-00-8	201-126-0	78-59-1											
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		201-857-5	88-75-5											
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]											
54	bis(2-chloroethoxy)methane					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1											
55	2,4-dichlorophenol					<0.5 mg/kg					<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2											
56	1,2,4-trichlorobenzene					<0.001 mg/kg					<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1											
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	612-137-00-9	203-401-0	106-47-8											
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD				
		201-765-5	87-68-3											
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-014-00-3	200-431-6	59-50-7											
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		202-078-3	91-57-6											
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	609-015-00-2	202-811-7	100-02-7											
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	602-078-00-7	201-029-3	77-47-4											
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-018-00-5	201-795-9	88-06-2											
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
	604-017-00-X	202-467-8	95-95-4											
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		202-079-9	91-58-7											
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD				
		205-011-6	131-11-3											

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0129 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS23-2-26/07/2022-0.20

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS23-2-26/07/2022-0.20</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.20-0.40 m</b>	
Moisture content:	
<b>8.5%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 8.5% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				4.5 mg/kg	1.32	5.436 mg/kg	0.000544 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				11 mg/kg	1.462	14.711 mg/kg	0.00147 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				7.8 mg/kg	1.126	8.035 mg/kg	0.000804 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	12 mg/kg	1.56	17.127 mg/kg	0.0011 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				5.2 mg/kg	2.976	14.161 mg/kg	0.00142 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.27 mg/kg	2.554	0.631 mg/kg	0.0000631 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				22 mg/kg	2.774	55.844 mg/kg	0.00558 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							



#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		9.5 pH		9.5 pH	9.5 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			2.8 mg/kg		2.562 mg/kg	0.000256 %	✓	
24	anthracene 204-371-1	120-12-7			0.79 mg/kg		0.723 mg/kg	0.0000723 %	✓	
25	fluoranthene 205-912-4	206-44-0			4.1 mg/kg		3.751 mg/kg	0.000375 %	✓	
26	pyrene 204-927-3	129-00-0			3.3 mg/kg		3.02 mg/kg	0.000302 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		1.8 mg/kg		1.647 mg/kg	0.000165 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		2.6 mg/kg		2.379 mg/kg	0.000238 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		1.8 mg/kg		1.647 mg/kg	0.000165 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		0.68 mg/kg		0.622 mg/kg	0.0000622 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		1.1 mg/kg		1.007 mg/kg	0.000101 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-077-00-3	200-549-8	62-75-9							
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-008-00-0	202-433-2 [1]	95-57-8 [1]							
		203-402-6 [2]	106-48-9 [2]							
		203-582-6 [3]	108-43-0 [3]							
		246-691-4 [4]	25167-80-0 [4]							
44	bis(2-chloroethyl) ether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
45	1,3-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		200-666-4	67-72-1							
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-098-00-8	210-698-0	621-64-7							
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-003-00-7	202-716-0	98-95-3							
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-857-5	88-75-5							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-006-00-X	202-439-5 [1]	95-65-8 [1] 95-87-4							
		202-461-5 [2]	[2] 105-67-9 [3]							
		203-321-6 [3]	526-75-0 [4]							
		208-395-3 [4]	576-26-1 [5]							
		209-400-1 [5]	1300-71-6 [6]							
		215-089-3 [6]	71975-58-1 [7]							
		276-245-4 [7]								
54	bis(2-chloroethoxy)methane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1							
55	2,4-dichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
56	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-078-3	91-57-6							
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	602-078-00-7	201-029-3	77-47-4							
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-079-9	91-58-7							
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-011-6	131-11-3							

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				0.3 mg/kg		0.274 mg/kg	0.0000274 %	✓	
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0161 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: WS23-1-26/07/2022-0.05

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS23-1-26/07/2022-0.05</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.05-0.05 m</b>	
Moisture content:	
<b>12%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 12% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				7.8 mg/kg	1.32	9.063 mg/kg	0.000906 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.11 mg/kg	1.142	0.111 mg/kg	0.0000111 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				250 mg/kg	1.462	321.542 mg/kg	0.0322 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				350 mg/kg	1.126	346.774 mg/kg	0.0347 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	17 mg/kg	1.56	23.335 mg/kg	0.0015 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				120 mg/kg	2.976	314.294 mg/kg	0.0314 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.29 mg/kg	2.554	0.652 mg/kg	0.0000652 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				69 mg/kg	2.774	168.446 mg/kg	0.0168 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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 }				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		8.7 pH		8.7 pH	8.7 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene	205-917-1	208-96-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene	201-469-6	83-32-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene	201-695-5	86-73-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene	201-581-5	85-01-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene	204-371-1	120-12-7		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene	205-912-4	206-44-0		0.61 mg/kg		0.537 mg/kg	0.0000537 %	✓	
26	pyrene	204-927-3	129-00-0		0.75 mg/kg		0.66 mg/kg	0.000066 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-077-00-3	200-549-8	62-75-9							
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-008-00-0	202-433-2 [1] 203-402-6 [2] 203-582-6 [3] 246-691-4 [4]	95-57-8 [1] 106-48-9 [2] 108-43-0 [3] 25167-80-0 [4]							
44	bis(2-chloroethyl) ether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
45	1,3-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		200-666-4	67-72-1							
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-098-00-8	210-698-0	621-64-7							
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-003-00-7	202-716-0	98-95-3							
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-857-5	88-75-5							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-006-00-X	202-439-5 [1] 202-461-5 [2] 203-321-6 [3] 208-395-3 [4] 209-400-1 [5] 215-089-3 [6] 276-245-4 [7]	95-65-8 [1] 95-87-4 [2] 105-67-9 [3] 526-75-0 [4] 576-26-1 [5] 1300-71-6 [6] 71975-58-1 [7]							
54	bis(2-chloroethoxy)methane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1							
55	2,4-dichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
56	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-078-3	91-57-6							
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	602-078-00-7	201-029-3	77-47-4							
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-079-9	91-58-7							
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-011-6	131-11-3							

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				0.23 mg/kg		0.202 mg/kg	0.0000202 %	✓	
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				1.4 mg/kg		1.232 mg/kg	0.000123 %	✓	
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							



#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.121 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS24-1-26/07/2022-1.00

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS24-1-26/07/2022-1.00</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>1.00-1.20 m</b>	Entry:
Moisture content:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>13%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 13% Wet Weight Moisture Correction applied (MC)



#	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							
1	arsenic { arsenic trioxide }				6.8 mg/kg	1.32	7.811 mg/kg	0.000781 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.12 mg/kg	1.142	0.119 mg/kg	0.0000119 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				190 mg/kg	1.462	241.595 mg/kg	0.0242 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				280 mg/kg	1.126	274.266 mg/kg	0.0274 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	18 mg/kg	1.56	24.427 mg/kg	0.00157 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				95 mg/kg	2.976	245.988 mg/kg	0.0246 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.28 mg/kg	2.554	0.622 mg/kg	0.0000622 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				66 mg/kg	2.774	159.291 mg/kg	0.0159 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							

#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		8.2 pH		8.2 pH	8.2 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			1.6 mg/kg		1.392 mg/kg	0.000139 %	✓	
24	anthracene 204-371-1	120-12-7			0.58 mg/kg		0.505 mg/kg	0.0000505 %	✓	
25	fluoranthene 205-912-4	206-44-0			3.1 mg/kg		2.697 mg/kg	0.00027 %	✓	
26	pyrene 204-927-3	129-00-0			3.1 mg/kg		2.697 mg/kg	0.00027 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		1.8 mg/kg		1.566 mg/kg	0.000157 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		1.8 mg/kg		1.566 mg/kg	0.000157 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		3.1 mg/kg		2.697 mg/kg	0.00027 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		1 mg/kg		0.87 mg/kg	0.000087 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		2.5 mg/kg		2.175 mg/kg	0.000217 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			1.7 mg/kg		1.479 mg/kg	0.000148 %	✓	
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		0.74 mg/kg		0.644 mg/kg	0.0000644 %	✓	
34	benzo[ghi]perylene 205-883-8	191-24-2			3.2 mg/kg		2.784 mg/kg	0.000278 %	✓	
35	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
36	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
37	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	1,3-dichlorobenzene 602-067-00-7	208-792-1	541-73-1		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2	203-400-5	106-46-7		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#	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							
42	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
43	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
44	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
45	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
46	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-893-9	75-71-8							
47	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
48	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
49	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
50	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		200-892-3	75-69-4							
51	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
52	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-826-3	74-97-5							
53	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
54	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
55	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
56	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
57	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
58	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
		200-856-7	75-27-4							
59	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
60	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
61	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
62	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
63	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
64	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
65	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
66	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
67	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
68	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
69	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
70	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							

#	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							
71	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
72	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
73	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
74	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
75	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
76	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
77	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
78	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
79	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
80	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
81	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
82	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
Total:								0.0979 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: WS24-2-26/07/2022-1.80

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:
<b>WS24-2-26/07/2022-1.80</b>	Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.80-2.00 m</b>	
Moisture content:	
<b>9.6%</b>	
(wet weight correction)	

**Hazard properties**

None identified

**Determinands**

Moisture content: 9.6% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				3.5 mg/kg	1.32	4.178 mg/kg	0.000418 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				0.2 mg/kg	1.142	0.207 mg/kg	0.0000207 %	✓	
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				17 mg/kg	1.462	22.461 mg/kg	0.00225 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				26 mg/kg	1.126	26.463 mg/kg	0.00265 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	16 mg/kg	1.56	22.561 mg/kg	0.00145 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				9.6 mg/kg	2.976	25.829 mg/kg	0.00258 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.31 mg/kg	2.554	0.716 mg/kg	0.0000716 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				50 mg/kg	2.774	125.391 mg/kg	0.0125 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
12	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
13	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	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									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
16		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 }			<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
	006-007-00-5											
17		pH			8.6	pH		8.6	pH	8.6 pH		
			PH									
18		naphthalene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19		acenaphthylene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
20		acenaphthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
21		fluorene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
22		phenanthrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
23		anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
24		fluoranthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-912-4	206-44-0									
25		pyrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-927-3	129-00-0									
26		benzo[a]anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
27		chrysene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
31		indeno[123-cd]pyrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									
32		dibenz[a,h]anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33		benzo[ghi]perylene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2									
34		1,1-dichloroethane and 1,2-dichloroethane (combined)			<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									
35		tetrachloroethylene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4									
36		carbon tetrachloride; tetrachloromethane			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5									
37		trichloroethylene; trichloroethene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6									
38		vinyl chloride; chloroethylene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-023-00-7	200-831-0	75-01-4									
39		1,3-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1									
40		1,4-dichlorobenzene; p-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-035-00-2	203-400-5	106-46-7									
41		1,2-dichlorobenzene; o-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1									
42		1,2,4-trichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1									

#	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							
43	hexachlorobutadiene	201-765-5	87-68-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
44	monohydric phenols		P1186		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
45	dichlorodifluoromethane	200-893-9	75-71-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
48	chloroethane	602-009-00-0	200-830-5	75-00-3	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
49	trichlorofluoromethane	200-892-3	75-69-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50	1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
51	bromochloromethane	200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
52	chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53	1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
54	1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55	1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56	dibromomethane	602-003-00-8	200-824-2	74-95-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	bromodichloromethane	200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
58	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	trans-1,3-dichloropropene	431-460-4	10061-02-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
61	1,3-dichloropropane	205-531-3	142-28-9		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
62	dibromochloromethane	204-704-0	124-48-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
63	1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
64	chlorobenzene	602-033-00-1	203-628-5	108-90-7	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
65	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
66	styrene	601-026-00-0	202-851-5	100-42-5	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
67	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68	cumene; [1] propylbenzene [2]	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
70	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
71	Propylbenzene	601-097-00-8	203-132-9	103-65-1	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#	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							
72	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
73	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
74	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
75	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
76	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
77	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
78	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
79	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
80	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							
81	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1] 203-580-5 [2] 203-397-0 [3] 246-698-2 [4]	95-49-8 [1] 108-41-8 [2] 106-43-4 [3] 25168-05-2 [4]							
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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS25-1-26/07/2022-1.30

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>WS25-1-26/07/2022-1.30</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.30-1.50 m</b>		
Moisture content:		
<b>13%</b>		
(wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				2.7 mg/kg	1.32	3.101 mg/kg	0.00031 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				6.2 mg/kg	1.462	7.884 mg/kg	0.000788 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				6.9 mg/kg	1.126	6.759 mg/kg	0.000676 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	14 mg/kg	1.56	18.999 mg/kg	0.00122 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				3.3 mg/kg	2.976	8.545 mg/kg	0.000854 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.26 mg/kg	2.554	0.578 mg/kg	0.0000578 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				27 mg/kg	2.774	65.165 mg/kg	0.00652 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %		<LOD
			TPH							
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
13	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
14	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
15	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							



#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		7.9 pH		7.9 pH	7.9 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
20	acenaphthylene 205-917-1	208-96-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
21	acenaphthene 201-469-6	83-32-9			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
22	fluorene 201-695-5	86-73-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
23	phenanthrene 201-581-5	85-01-8			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
24	anthracene 204-371-1	120-12-7			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
25	fluoranthene 205-912-4	206-44-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
26	pyrene 204-927-3	129-00-0			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
28	chrysene 601-048-00-0	205-923-4	218-01-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
32	indeno[123-cd]pyrene 205-893-2	193-39-5			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
34	benzo[ghi]perylene 205-883-8	191-24-2			<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-077-00-3	200-549-8	62-75-9							
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-008-00-0	202-433-2 [1]	95-57-8 [1]							
		203-402-6 [2]	106-48-9 [2]							
		203-582-6 [3]	108-43-0 [3]							
		246-691-4 [4]	25167-80-0 [4]							
44	bis(2-chloroethyl) ether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	603-029-00-2	203-870-1	111-44-4							
45	1,3-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1							
46	1,4-dichlorobenzene; p-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-035-00-2	203-400-5	106-46-7							
47	1,2-dichlorobenzene; o-dichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1							
48	hexachloroethane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		200-666-4	67-72-1							
49	nitrosodipropylamine				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-098-00-8	210-698-0	621-64-7							
50	nitrobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-003-00-7	202-716-0	98-95-3							
51	3,5,5-trimethylcyclohex-2-enone; isophorone				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	606-012-00-8	201-126-0	78-59-1							
52	2-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-857-5	88-75-5							
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-006-00-X	202-439-5 [1]	95-65-8 [1] 95-87-4							
		202-461-5 [2]	[2] 105-67-9 [3]							
		203-321-6 [3]	526-75-0 [4]							
		208-395-3 [4]	576-26-1 [5]							
		209-400-1 [5]	1300-71-6 [6]							
		215-089-3 [6]	71975-58-1 [7]							
		276-245-4 [7]								
54	bis(2-chloroethoxy)methane				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		203-920-2	111-91-1							
55	2,4-dichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-011-00-7	204-429-6	120-83-2							
56	1,2,4-trichlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1							
57	4-chloroaniline				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	612-137-00-9	203-401-0	106-47-8							
58	hexachlorobutadiene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		201-765-5	87-68-3							
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-014-00-3	200-431-6	59-50-7							
60	2-methyl naphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-078-3	91-57-6							
61	4-nitrophenol; p-nitrophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-015-00-2	202-811-7	100-02-7							
62	hexachlorocyclopentadiene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	602-078-00-7	201-029-3	77-47-4							
63	2,4,6-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-018-00-5	201-795-9	88-06-2							
64	2,4,5-trichlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-017-00-X	202-467-8	95-95-4							
65	2-chloronaphthalene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-079-9	91-58-7							
66	dimethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-011-6	131-11-3							

#	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							
67	2,6-dinitrotoluene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-049-00-8	210-106-0	606-20-2							
68	dibenzofuran				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		205-071-3	132-64-9							
69	4-chlorophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		230-281-7	7005-72-3							
70	2,4-dinitrotoluene; [1] dinitrotoluene [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-007-00-9	204-450-0 [1] 246-836-1 [2]	121-14-2 [1] 25321-14-6 [2]							
71	diethyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-550-6	84-66-2							
72	DNOC (ISO); 4,6-dinitro-o-cresol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	609-020-00-X	208-601-1	534-52-1							
73	azobenzene				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	611-001-00-6	203-102-5	103-33-3							
74	4-bromophenylphenylether				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		202-952-4	101-55-3							
75	pentachlorophenol				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	604-002-00-8	201-778-6	87-86-5							
76	carbazole				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		201-696-0	86-74-8							
77	dibutyl phthalate; DBP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-318-00-4	201-557-4	84-74-2							
78	BBP; benzyl butyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-430-00-3	201-622-7	85-68-7							
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
	607-317-00-9	204-211-0	117-81-7							
80	di-n-octyl phthalate				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
		204-214-7	117-84-0							
81	monohydric phenols				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
			P1186							
82	dichlorodifluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-893-9	75-71-8							
83	chloromethane; methyl chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-001-00-7	200-817-4	74-87-3							
84	bromomethane; methylbromide				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
	602-002-00-2	200-813-2	74-83-9							
85	chloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-009-00-0	200-830-5	75-00-3							
86	trichlorofluoromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
		200-892-3	75-69-4							
87	1,1-dichloroethylene; vinylidene chloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-025-00-8	200-864-0	75-35-4							
88	bromochloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-826-3	74-97-5							
89	chloroform; trichloromethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-006-00-4	200-663-8	67-66-3							
90	1,1,1-trichloroethane; methyl chloroform				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-013-00-2	200-756-3	71-55-6							
91	1,1-dichloropropene				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-031-00-0	209-253-3	563-58-6							
92	1,2-dichloropropane; propylene dichloride				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-020-00-0	201-152-2	78-87-5							
93	dibromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
	602-003-00-8	200-824-2	74-95-3							
94	bromodichloromethane				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
		200-856-7	75-27-4							

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0139 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification



Classification of sample: W2S26-1-26/07/2022-1.80

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>W2S26-1-26/07/2022-1.80</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>1.80-1.95 m</b>		
Moisture content:		
<b>11%</b>		
(wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 11% Wet Weight Moisture Correction applied (MC)

#	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							
1	arsenic { arsenic trioxide }				3.7 mg/kg	1.32	4.348 mg/kg	0.000435 %	✓	
	033-003-00-0	215-481-4	1327-53-3							
2	cadmium { cadmium oxide }				<0.1 mg/kg	1.142	<0.114 mg/kg	<0.0000114 %		<LOD
	048-002-00-0	215-146-2	1306-19-0							
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				9.5 mg/kg	1.462	12.357 mg/kg	0.00124 %	✓	
		215-160-9	1308-38-9							
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5 mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8									
5	copper { dicopper oxide; copper (I) oxide }				4.6 mg/kg	1.126	4.609 mg/kg	0.000461 %	✓	
	029-002-00-X	215-270-7	1317-39-1							
6	lead { lead chromate }			1	8.9 mg/kg	1.56	12.355 mg/kg	0.000792 %	✓	
	082-004-00-2	231-846-0	7758-97-6							
7	mercury { mercury dichloride }				<0.05 mg/kg	1.353	<0.0677 mg/kg	<0.0000677 %		<LOD
	080-010-00-X	231-299-8	7487-94-7							
8	nickel { nickel chromate }				0.78 mg/kg	2.976	2.066 mg/kg	0.000207 %	✓	
	028-035-00-7	238-766-5	14721-18-7							
9	selenium { nickel selenate }				0.36 mg/kg	2.554	0.818 mg/kg	0.0000818 %	✓	
	028-031-00-5	239-125-2	15060-62-5							
10	zinc { zinc chromate }				6.4 mg/kg	2.774	15.802 mg/kg	0.00158 %	✓	
	024-007-00-3	236-878-9	13530-65-9							
11	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4							
12	benzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
13	toluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
14	ethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
15	xylene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	601-022-00-9	202-422-2 [1] 203-396-5 [2]	95-47-6 [1] 106-42-3 [2]							

#	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									
		203-576-3 [3] 215-535-7 [4]	108-38-3 [3] 1330-20-7 [4]									
16		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 }			<0.5	mg/kg	1.884	<0.942	mg/kg	<0.0000942 %		<LOD
	006-007-00-5											
17		pH			7.8	pH		7.8	pH	7.8 pH		
			PH									
18		naphthalene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
19		acenaphthylene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-917-1	208-96-8									
20		acenaphthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-469-6	83-32-9									
21		fluorene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-695-5	86-73-7									
22		phenanthrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		201-581-5	85-01-8									
23		anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		204-371-1	120-12-7									
24		fluoranthene			0.45	mg/kg		0.401	mg/kg	0.0000401 %	✓	
		205-912-4	206-44-0									
25		pyrene			0.59	mg/kg		0.525	mg/kg	0.0000525 %	✓	
		204-927-3	129-00-0									
26		benzo[a]anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
27		chrysene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
28		benzo[b]fluoranthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
29		benzo[k]fluoranthene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
30		benzo[a]pyrene; benzo[def]chrysene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
31		indeno[123-cd]pyrene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-893-2	193-39-5									
32		dibenz[a,h]anthracene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
	601-041-00-2	200-181-8	53-70-3									
33		benzo[ghi]perylene			<0.1	mg/kg		<0.1	mg/kg	<0.00001 %		<LOD
		205-883-8	191-24-2									
34		1,1-dichloroethane and 1,2-dichloroethane (combined)			<0.003	mg/kg		<0.003	mg/kg	<0.0000003 %		<LOD
		203-458-1, 200-863-5	107-06-2, 75-34-3									
35		tetrachloroethylene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-028-00-4	204-825-9	127-18-4									
36		carbon tetrachloride; tetrachloromethane			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-008-00-5	200-262-8	56-23-5									
37		trichloroethylene; trichloroethene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-027-00-9	201-167-4	79-01-6									
38		vinyl chloride; chloroethylene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-023-00-7	200-831-0	75-01-4									
39		1,3-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-067-00-7	208-792-1	541-73-1									
40		1,4-dichlorobenzene; p-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-035-00-2	203-400-5	106-46-7									
41		1,2-dichlorobenzene; o-dichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-034-00-7	202-425-9	95-50-1									
42		1,2,4-trichlorobenzene			<0.001	mg/kg		<0.001	mg/kg	<0.0000001 %		<LOD
	602-087-00-6	204-428-0	120-82-1									

#	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							
43	hexachlorobutadiene	201-765-5	87-68-3		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
44	monohydric phenols		P1186		<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
45	dichlorodifluoromethane	200-893-9	75-71-8		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	chloromethane; methyl chloride	602-001-00-7	200-817-4	74-87-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	bromomethane; methylbromide	602-002-00-2	200-813-2	74-83-9	<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
48	chloroethane	602-009-00-0	200-830-5	75-00-3	<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
49	trichlorofluoromethane	200-892-3	75-69-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
50	1,1-dichloroethylene; vinylidene chloride	602-025-00-8	200-864-0	75-35-4	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
51	bromochloromethane	200-826-3	74-97-5		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
52	chloroform; trichloromethane	602-006-00-4	200-663-8	67-66-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
53	1,1,1-trichloroethane; methyl chloroform	602-013-00-2	200-756-3	71-55-6	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
54	1,1-dichloropropene	602-031-00-0	209-253-3	563-58-6	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
55	1,2-dichloropropane; propylene dichloride	602-020-00-0	201-152-2	78-87-5	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
56	dibromomethane	602-003-00-8	200-824-2	74-95-3	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	bromodichloromethane	200-856-7	75-27-4		<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
58	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
59	trans-1,3-dichloropropene	431-460-4	10061-02-6		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
60	1,1,2-trichloroethane	602-014-00-8	201-166-9	79-00-5	<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
61	1,3-dichloropropane	205-531-3	142-28-9		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
62	dibromochloromethane	204-704-0	124-48-1		<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
63	1,2-dibromoethane	602-010-00-6	203-444-5	106-93-4	<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
64	chlorobenzene	602-033-00-1	203-628-5	108-90-7	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
65	1,1,1,2-tetrachloroethane	211-135-1	630-20-6		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
66	styrene	601-026-00-0	202-851-5	100-42-5	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
67	bromoform; tribromomethane	602-007-00-X	200-854-6	75-25-2	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
68	cumene; [1] propylbenzene [2]	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
69	bromobenzene	602-060-00-9	203-623-8	108-86-1	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
70	1,2,3-trichloropropane	602-062-00-X	202-486-1	96-18-4	<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
71	Propylbenzene	601-097-00-8	203-132-9	103-65-1	<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD

#	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							
72	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
73	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
74	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
75	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
76	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
77	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
78	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
79	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
80	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1]	540-59-0 [1]							
		205-859-7 [2]	156-59-2 [2]							
		205-860-2 [3]	156-60-5 [3]							
81	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.00528 %		

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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
- This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- CLP: Note 1 Only the metal concentration has been used for classification

Classification of sample: WS19-26/07/2022-0.60

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

**Sample details**

Sample name:	LoW Code:	
<b>WS19-26/07/2022-0.60</b>	Chapter:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Sample Depth:	Entry:	17 05 04 (Soil and stones other than those mentioned in 17 05 03)
<b>0.60-0.80 m</b>		
Moisture content:		
<b>8.8%</b>		
(wet weight correction)		

**Hazard properties**

None identified

**Determinands**

Moisture content: 8.8% Wet Weight Moisture Correction applied (MC)

#	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								
1	arsenic { arsenic trioxide }				5.8	mg/kg	1.32	6.984 mg/kg	0.000698 %	✓	
	033-003-00-0	215-481-4	1327-53-3								
2	cadmium { cadmium oxide }				0.2	mg/kg	1.142	0.208 mg/kg	0.0000208 %	✓	
	048-002-00-0	215-146-2	1306-19-0								
3	chromium in chromium(III) compounds { chromium(III) oxide (worst case) }				10	mg/kg	1.462	13.329 mg/kg	0.00133 %	✓	
		215-160-9	1308-38-9								
4	chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }				<0.5	mg/kg	2.27	<1.135 mg/kg	<0.000113 %		<LOD
	024-017-00-8										
5	copper { dicopper oxide; copper (I) oxide }				11	mg/kg	1.126	11.295 mg/kg	0.00113 %	✓	
	029-002-00-X	215-270-7	1317-39-1								
6	lead { lead chromate }			1	27	mg/kg	1.56	38.409 mg/kg	0.00246 %	✓	
	082-004-00-2	231-846-0	7758-97-6								
7	mercury { mercury dichloride }				0.07	mg/kg	1.353	0.0864 mg/kg	0.00000864 %	✓	
	080-010-00-X	231-299-8	7487-94-7								
8	nickel { nickel chromate }				4.2	mg/kg	2.976	11.4 mg/kg	0.00114 %	✓	
	028-035-00-7	238-766-5	14721-18-7								
9	selenium { nickel selenate }				0.36	mg/kg	2.554	0.838 mg/kg	0.0000838 %	✓	
	028-031-00-5	239-125-2	15060-62-5								
10	zinc { zinc chromate }				37	mg/kg	2.774	93.611 mg/kg	0.00936 %	✓	
	024-007-00-3	236-878-9	13530-65-9								
11	TPH (C6 to C40) petroleum group				280	mg/kg		255.36 mg/kg	0.0255 %	✓	
			TPH								
12	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	603-181-00-X	216-653-1	1634-04-4								
13	benzene				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-020-00-8	200-753-7	71-43-2								
14	toluene				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-021-00-3	203-625-9	108-88-3								
15	ethylbenzene				<0.001	mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-023-00-4	202-849-4	100-41-4								



#	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							
16	xylene 601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]		<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
17	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				<0.5 mg/kg	1.884	<0.942 mg/kg	<0.0000942 %		<LOD
18	pH		PH		9.6 pH		9.6 pH	9.6 pH		
19	naphthalene 601-052-00-2	202-049-5	91-20-3		3 mg/kg		2.736 mg/kg	0.000274 %	✓	
20	acenaphthylene 205-917-1	208-96-8			0.33 mg/kg		0.301 mg/kg	0.0000301 %	✓	
21	acenaphthene 201-469-6	83-32-9			0.4 mg/kg		0.365 mg/kg	0.0000365 %	✓	
22	fluorene 201-695-5	86-73-7			0.45 mg/kg		0.41 mg/kg	0.000041 %	✓	
23	phenanthrene 201-581-5	85-01-8			7.9 mg/kg		7.205 mg/kg	0.00072 %	✓	
24	anthracene 204-371-1	120-12-7			2.4 mg/kg		2.189 mg/kg	0.000219 %	✓	
25	fluoranthene 205-912-4	206-44-0			19 mg/kg		17.328 mg/kg	0.00173 %	✓	
26	pyrene 204-927-3	129-00-0			18 mg/kg		16.416 mg/kg	0.00164 %	✓	
27	benzo[a]anthracene 601-033-00-9	200-280-6	56-55-3		9.6 mg/kg		8.755 mg/kg	0.000876 %	✓	
28	chrysene 601-048-00-0	205-923-4	218-01-9		11 mg/kg		10.032 mg/kg	0.001 %	✓	
29	benzo[b]fluoranthene 601-034-00-4	205-911-9	205-99-2		13 mg/kg		11.856 mg/kg	0.00119 %	✓	
30	benzo[k]fluoranthene 601-036-00-5	205-916-6	207-08-9		4.4 mg/kg		4.013 mg/kg	0.000401 %	✓	
31	benzo[a]pyrene; benzo[def]chrysene 601-032-00-3	200-028-5	50-32-8		9.3 mg/kg		8.482 mg/kg	0.000848 %	✓	
32	indeno[123-cd]pyrene 205-893-2	193-39-5			6.6 mg/kg		6.019 mg/kg	0.000602 %	✓	
33	dibenz[a,h]anthracene 601-041-00-2	200-181-8	53-70-3		1.4 mg/kg		1.277 mg/kg	0.000128 %	✓	
34	benzo[ghi]perylene 205-883-8	191-24-2			6.1 mg/kg		5.563 mg/kg	0.000556 %	✓	
35	phenol 604-001-00-2	203-632-7	108-95-2		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
36	1,1-dichloroethane and 1,2-dichloroethane (combined) 203-458-1, 200-863-5		107-06-2, 75-34-3		<0.003 mg/kg		<0.003 mg/kg	<0.0000003 %		<LOD
37	tetrachloroethylene 602-028-00-4	204-825-9	127-18-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
38	carbon tetrachloride; tetrachloromethane 602-008-00-5	200-262-8	56-23-5		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
39	trichloroethylene; trichloroethene 602-027-00-9	201-167-4	79-01-6		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
40	vinyl chloride; chloroethylene 602-023-00-7	200-831-0	75-01-4		<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
41	hexachlorobenzene 602-065-00-6	204-273-9	118-74-1		<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD



#	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							
42	dimethylnitrosoamine; N-nitrosodimethylamine 612-077-00-3 200-549-8 62-75-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
43	2-chlorophenol; [1] 4-chlorophenol; [2] 3-chlorophenol; [3] chlorophenol [4] 604-008-00-0 202-433-2 [1] 95-57-8 [1] 203-402-6 [2] 106-48-9 [2] 203-582-6 [3] 108-43-0 [3] 246-691-4 [4] 25167-80-0 [4]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
44	bis(2-chloroethyl) ether 603-029-00-2 203-870-1 111-44-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
45	1,3-dichlorobenzene 602-067-00-7 208-792-1 541-73-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
46	1,4-dichlorobenzene; p-dichlorobenzene 602-035-00-2 203-400-5 106-46-7				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
47	1,2-dichlorobenzene; o-dichlorobenzene 602-034-00-7 202-425-9 95-50-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
48	hexachloroethane 200-666-4 67-72-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
49	nitrosodipropylamine 612-098-00-8 210-698-0 621-64-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
50	nitrobenzene 609-003-00-7 202-716-0 98-95-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
51	3,5,5-trimethylcyclohex-2-enone; isophorone 606-012-00-8 201-126-0 78-59-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
52	2-nitrophenol 201-857-5 88-75-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
53	3,4-xyleneol; [1] 2,5-xyleneol; [2] 2,4-xyleneol; [3] 2,3-xyleneol; [4] 2,6-xyleneol; [5] xyleneol; [6] 2,4(or 2,5)-xyleneol [7] 604-006-00-X 202-439-5 [1] 95-65-8 [1] 95-87-4 202-461-5 [2] 105-67-9 [3] 203-321-6 [3] 526-75-0 [4] 208-395-3 [4] 576-26-1 [5] 209-400-1 [5] 1300-71-6 [6] 215-089-3 [6] 71975-58-1 [7] 276-245-4 [7]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
54	bis(2-chloroethoxy)methane 203-920-2 111-91-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
55	2,4-dichlorophenol 604-011-00-7 204-429-6 120-83-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
56	1,2,4-trichlorobenzene 602-087-00-6 204-428-0 120-82-1				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
57	4-chloroaniline 612-137-00-9 203-401-0 106-47-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
58	hexachlorobutadiene 201-765-5 87-68-3				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
59	chlorocresol; 4-chloro-m-cresol; 4-chloro-3-methylphenol 604-014-00-3 200-431-6 59-50-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
60	2-methyl naphthalene 202-078-3 91-57-6				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
61	4-nitrophenol; p-nitrophenol 609-015-00-2 202-811-7 100-02-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
62	hexachlorocyclopentadiene 602-078-00-7 201-029-3 77-47-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
63	2,4,6-trichlorophenol 604-018-00-5 201-795-9 88-06-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
64	2,4,5-trichlorophenol 604-017-00-X 202-467-8 95-95-4				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
65	2-chloronaphthalene 202-079-9 91-58-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
66	dimethyl phthalate 205-011-6 131-11-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD

#	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							
67	2,6-dinitrotoluene 609-049-00-8   210-106-0   606-20-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
68	dibenzofuran   205-071-3   132-64-9				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
69	4-chlorophenylphenylether   230-281-7   7005-72-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
70	2,4-dinitrotoluene; [1] dinitrotoluene [2] 609-007-00-9   204-450-0 [1]   121-14-2 [1] 246-836-1 [2]   25321-14-6 [2]				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
71	diethyl phthalate   201-550-6   84-66-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
72	DNOC (ISO); 4,6-dinitro-o-cresol 609-020-00-X   208-601-1   534-52-1				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
73	azobenzene 611-001-00-6   203-102-5   103-33-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
74	4-bromophenylphenylether   202-952-4   101-55-3				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
75	pentachlorophenol 604-002-00-8   201-778-6   87-86-5				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
76	carbazole   201-696-0   86-74-8				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
77	dibutyl phthalate; DBP 607-318-00-4   201-557-4   84-74-2				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
78	BBP; benzyl butyl phthalate 607-430-00-3   201-622-7   85-68-7				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
79	bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP 607-317-00-9   204-211-0   117-81-7				1.2 mg/kg		1.094 mg/kg	0.000109 %	✓	
80	di-n-octyl phthalate   204-214-7   117-84-0				<0.5 mg/kg		<0.5 mg/kg	<0.00005 %		<LOD
81	monohydric phenols     P1186				<0.1 mg/kg		<0.1 mg/kg	<0.00001 %		<LOD
82	dichlorodifluoromethane   200-893-9   75-71-8				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
83	chloromethane; methyl chloride 602-001-00-7   200-817-4   74-87-3				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
84	bromomethane; methylbromide 602-002-00-2   200-813-2   74-83-9				<0.02 mg/kg		<0.02 mg/kg	<0.000002 %		<LOD
85	chloroethane 602-009-00-0   200-830-5   75-00-3				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
86	trichlorofluoromethane   200-892-3   75-69-4				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
87	1,1-dichloroethylene; vinylidene chloride 602-025-00-8   200-864-0   75-35-4				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
88	bromochloromethane   200-826-3   74-97-5				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD
89	chloroform; trichloromethane 602-006-00-4   200-663-8   67-66-3				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
90	1,1,1-trichloroethane; methyl chloroform 602-013-00-2   200-756-3   71-55-6				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
91	1,1-dichloropropene 602-031-00-0   209-253-3   563-58-6				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
92	1,2-dichloropropane; propylene dichloride 602-020-00-0   201-152-2   78-87-5				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
93	dibromomethane 602-003-00-8   200-824-2   74-95-3				<0.001 mg/kg		<0.001 mg/kg	<0.000001 %		<LOD
94	bromodichloromethane   200-856-7   75-27-4				<0.005 mg/kg		<0.005 mg/kg	<0.000005 %		<LOD

#	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							
95	1,3-dichloropropene; [1] (Z)-1,3-dichloropropene [2]				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-030-00-5	208-826-5 [1] 233-195-8 [2]	542-75-6 [1] 10061-01-5 [2]							
96	trans-1,3-dichloropropene				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		431-460-4	10061-02-6							
97	1,1,2-trichloroethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
	602-014-00-8	201-166-9	79-00-5							
98	1,3-dichloropropane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		205-531-3	142-28-9							
99	dibromochloromethane				<0.01 mg/kg		<0.01 mg/kg	<0.000001 %		<LOD
		204-704-0	124-48-1							
100	1,2-dibromoethane				<0.005 mg/kg		<0.005 mg/kg	<0.0000005 %		<LOD
	602-010-00-6	203-444-5	106-93-4							
101	chlorobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-033-00-1	203-628-5	108-90-7							
102	1,1,1,2-tetrachloroethane				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		211-135-1	630-20-6							
103	styrene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-026-00-0	202-851-5	100-42-5							
104	bromoform; tribromomethane				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-007-00-X	200-854-6	75-25-2							
105	cumene; [1] propylbenzene [2]				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-024-00-X	202-704-5 [1] 203-132-9 [2]	98-82-8 [1] 103-65-1 [2]							
106	bromobenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	602-060-00-9	203-623-8	108-86-1							
107	1,2,3-trichloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-062-00-X	202-486-1	96-18-4							
108	Propylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-097-00-8	203-132-9	103-65-1							
109	mesitylene; 1,3,5-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-025-00-5	203-604-4	108-67-8							
110	tert-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-632-4	98-06-6							
111	1,2,4-trimethylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
112	sec-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		205-227-0	135-98-8							
113	4-isopropyltoluene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		202-796-7	99-87-6							
114	n-butylbenzene				<0.001 mg/kg		<0.001 mg/kg	<0.0000001 %		<LOD
		203-209-7	104-51-8							
115	1,2-dibromo-3-chloropropane				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	602-021-00-6	202-479-3	96-12-8							
116	1,2,3-trichlorobenzene				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
		201-757-1	87-61-6							
117	m-cresol; [1] o-cresol; [2] p-cresol; [3] mix-cresol [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-004-00-9	203-577-9 [1] 202-423-8 [2] 203-398-6 [3] 215-293-2 [4]	108-39-4 [1] 95-48-7 [2] 106-44-5 [3] 1319-77-3 [4]							
118	o-nitroaniline; [1] m-nitroaniline; [2] p-nitroaniline [3]				<1.5 mg/kg		<1.5 mg/kg	<0.00015 %		<LOD
	612-012-00-9	201-855-4 [1] 202-729-1 [2] 202-810-1 [3]	88-74-4 [1] 99-09-2 [2] 100-01-6 [3]							
119	1,2-dichloroethylene; [1] cis-dichloroethylene; [2] trans-dichloroethylene [3]				<0.002 mg/kg		<0.002 mg/kg	<0.0000002 %		<LOD
	602-026-00-3	208-750-2 [1] 205-859-7 [2] 205-860-2 [3]	540-59-0 [1] 156-59-2 [2] 156-60-5 [3]							

#	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							
120	2-chlorotoluene; [1] 3-chlorotoluene; [2] 4-chlorotoluene; [3] chlorotoluene [4]				<0.002 mg/kg		<0.002 mg/kg	<0.000002 %		<LOD
	602-040-00-X	202-424-3 [1]	95-49-8 [1]							
		203-580-5 [2]	108-41-8 [2]							
		203-397-0 [3]	106-43-4 [3]							
		246-698-2 [4]	25168-05-2 [4]							
Total:								0.0544 %		

**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 Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
-  This determinand is defined in the EU CLP Table 3
- <LOD** Below limit of detection
- ND** Not detected
- 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 because Non flammable below 12500mg/kg

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0255%)



## Appendix A: Classifier defined and non GB MCL determinands

- **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

- **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013

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

- **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

GB MCL index number: 601-023-00-4

Description/Comments:

Additional Hazard Statement(s): Carc. 2; H351

Reason for additional Hazards Statement(s):

20 Nov 2021 - Carc. 2; H351 hazard statement sourced from: IARC Group 2B (77) 2000

- **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

- **pH** (CAS Number: PH)

Description/Comments: Appendix C4

Data source: WM3 1st Edition 2015

Data source date: 25 May 2015

Hazard Statements: None.

- **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

- **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

- **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

- **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

- **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

▪ **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

▪ **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

▪ **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

▪ **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

▪ **hexachloroethane** (EC Number: 200-666-4, CAS Number: 67-72-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , STOT RE 2; H373

▪ **2-nitrophenol** (EC Number: 201-857-5, CAS Number: 88-75-5)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT RE 2; H373 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **bis(2-chloroethoxy)methane** (EC Number: 203-920-2, CAS Number: 111-91-1)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 4; H312 , Acute Tox. 1; H330 , Acute Tox. 2; H330 , STOT SE 1; H370 , STOT RE 2; H373

▪ **hexachlorobutadiene** (EC Number: 201-765-5, CAS Number: 87-68-3)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 3; H301 , Acute Tox. 2; H310 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 2; H330 , Carc. 2; H351 , Repr. 2; H361 , STOT SE 2; H371 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **2-methyl naphthalene** (EC Number: 202-078-3, CAS Number: 91-57-6)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

▪ **2-chloronaphthalene** (EC Number: 202-079-9, CAS Number: 91-58-7)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Eye Irrit. 2; H319 , STOT SE 3; H335 , Skin Irrit. 2; H315

• **dimethyl phthalate** (EC Number: 205-011-6, CAS Number: 131-11-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , STOT SE 3; H335 , STOT SE 3; H336 , Repr. 2; H361 , Aquatic Chronic 3; H412

• **dibenzofuran** (EC Number: 205-071-3, CAS Number: 132-64-9)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Acute Tox. 4; H332 , Aquatic Chronic 2; H411

• **4-chlorophenylphenylether** (EC Number: 230-281-7, CAS Number: 7005-72-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **diethyl phthalate** (EC Number: 201-550-6, CAS Number: 84-66-2)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Skin Irrit. 2; H315 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , STOT SE 3; H335 , STOT RE 2; H373 , Repr. 2; H361 , Acute Tox. 4; H302 , STOT SE 3; H336 , Skin Sens. 1; H317 , Aquatic Chronic 1; H410

• **4-bromophenylphenylether** (EC Number: 202-952-4, CAS Number: 101-55-3)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **carbazole** (EC Number: 201-696-0, CAS Number: 86-74-8)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 2; H341 , Carc. 2; H351 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301

• **di-n-octyl phthalate** (EC Number: 204-214-7, CAS Number: 117-84-0)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Repr. 2; H361 , Skin Sens. 1; H317 , Resp. Sens. 1; H334 , Eye Irrit. 2; H319 , Aquatic Chronic 4; H413

• **monohydric phenols** (CAS Number: P1186)

Description/Comments: Combined hazards statements from harmonised entries in CLP for phenol, cresols and xylenols (604-001-00-2, 604-004-00-9, 604-006-00-X)

Data source: CLP combined data

Data source date: 26 Mar 2019

Hazard Statements: Muta. 2; H341 , Acute Tox. 3; H331 , Acute Tox. 3; H311 , Acute Tox. 3; H301 , STOT RE 2; H373 , Skin Corr. 1B; H314 , Skin Corr. 1B; H314 >= 3 % , Skin Irrit. 2; H315 1 £ conc. < 3 % , Eye Irrit. 2; H319 1 £ conc. < 3 % , Aquatic Chronic 2; H411

• **1,1-dichloroethane and 1,2-dichloroethane (combined)** (EC Number: 203-458-1, 200-863-5, CAS Number: 107-06-2, 75-34-3)

Description/Comments: Combines the hazard statements and risk phrases for 1,1-dichloroethane and 1,2-dichloroethane

Data source: N/a

Data source date: 14 Oct 2016

Hazard Statements: Flam. Liq. 2; H225 , Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Carc. 1B; H350 , Aquatic Chronic 3; H412

• **dichlorodifluoromethane** (EC Number: 200-893-9, CAS Number: 75-71-8)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Aquatic Chronic 3; H412 , Ozone 1; H420 , Press. Gas; H280

• **trichlorofluoromethane** (EC Number: 200-892-3, CAS Number: 75-69-4)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H312 , Ozone 1; H420

• **bromochloromethane** (EC Number: 200-826-3, CAS Number: 74-97-5)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H312 , Skin Corr. 1B; H314 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , STOT SE 3; H335 , Skin Irrit. 2; H315 , Ozone 1; H420

• **bromodichloromethane** (EC Number: 200-856-7, CAS Number: 75-27-4)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Dam. 1; H318 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Muta. 1B; H340 , Carc. 1B; H350 , Repr. 1A; H360

• **trans-1,3-dichloropropene** (EC Number: 431-460-4, CAS Number: 10061-02-6)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Flam. Liq. 3; H226 , Acute Tox. 3; H301 , Asp. Tox. 1; H304 , Acute Tox. 3; H311 , Skin Irrit. 2; H315 , Skin Sens. 1; H317 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , Aquatic Chronic 1; H410

• **1,3-dichloropropane** (EC Number: 205-531-3, CAS Number: 142-28-9)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H332 , Flam. Liq. 2; H225 , Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335

• **dibromochloromethane** (EC Number: 204-704-0, CAS Number: 124-48-1)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 3;  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 4; H312 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 4; H332 , STOT SE 3; H335 , STOT SE 3; H336 , Muta. 2; H341 , Aquatic Chronic 2; H411

• **1,1,1,2-tetrachloroethane** (EC Number: 211-135-1, CAS Number: 630-20-6)

Description/Comments: VOC; Data from C&L Inventory Database; IARC considers substance Group 2B;  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Acute Tox. 4; H302 , Acute Tox. 1; H310 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Eye Dam. 1; H318 , Acute Tox. 4; H332 , Carc. 2; H351 , Acute Tox. 4; H312 , Aquatic Chronic 3; H412 , Skin Irrit. 2; H315

• **Propylbenzene** (EC Number: 203-132-9, CAS Number: 103-65-1)

EU CLP index number: 601-097-00-8  
Description/Comments:  
Data source: Regulation (EU) 2022/692 of 16 February 2022 (ATP18)  
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , STOT SE 3; H335 , Aquatic Chronic 2; H411

• **tert-butylbenzene** (EC Number: 202-632-4, CAS Number: 98-06-6)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Acute Tox. 3; H331 , Acute Tox. 4; H332 , STOT SE 3; H335 , Asp. Tox. 1; H304 , Aquatic Chronic 2; H411

• **sec-butylbenzene** (EC Number: 205-227-0, CAS Number: 135-98-8)

Description/Comments: VOC; Data from C&L Inventory Database  
Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>  
Data source date: 02 Mar 2017  
Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Chronic 2; H411

• **4-isopropyltoluene** (EC Number: 202-796-7, CAS Number: 99-87-6)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Asp. Tox. 1; H304 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , Aquatic Chronic 2; H411

• **n-butylbenzene** (EC Number: 203-209-7, CAS Number: 104-51-8)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Flam. Liq. 3; H226 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , Aquatic Acute 1; H400 , Aquatic Chronic 1; H410

• **1,2,3-trichlorobenzene** (EC Number: 201-757-1, CAS Number: 87-61-6)

Description/Comments: VOC; Data from C&L Inventory Database

Data source: <https://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

Data source date: 02 Mar 2017

Hazard Statements: Acute Tox. 4; H302 , Skin Irrit. 2; H315 , Eye Irrit. 2; H319 , STOT SE 3; H335 , STOT SE 3; H336 , Aquatic Acute 1; H400 , Aquatic Chronic 3; H410

## Appendix B: Rationale for selection of metal species

### arsenic {arsenic trioxide}

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds (edit as required)

### cadmium {cadmium oxide}

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

### chromium in chromium(III) compounds {chromium(III) oxide (worst case)}

Reasonable case species based on hazard statements/molecular weight. Industrial sources include: tanning, pigment in paint, inks and glass (edit as required)

### chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}

Worst case species based on hazard statements/molecular weight (edit as required)

### copper {dicopper oxide; copper (I) oxide}

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. (edit as required) Worst case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected. (edit as required)

### lead {lead chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

### mercury {mercury dichloride}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

### nickel {nickel chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

### selenium {nickel selenate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

### zinc {zinc chromate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

### 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}

Harmonised group entry used as most reasonable case as complex cyanides and those specified elsewhere in the annex are not likely to be present in this soil: [Note conversion factor based on a worst case compound: sodium cyanide] (edit as required)

## Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.2.GB - Oct 2021

HazWasteOnline Classification Engine Version: 2022.263.5340.9974 (20 Sep 2022)

HazWasteOnline Database: 2022.263.5340.9974 (20 Sep 2022)



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

**Annex F: Soil Property Test Results**

# SUMMARY OF GEOTECHNICAL TESTING

Sample details					Classification Tests					Density Tests		Undrained Triaxial Compression			Chemical Tests			Other tests and comments	
Location	Depth (m)	Sample Ref	Type	Description	WC %	LL %	PL %	PI %	<425 µm %	Bulk Mg/m³	Dry Mg/m³	Condition	Cell Pressure kPa	Deviator Stress kPa	Shear Stress kPa	pH	2:1 W/S SO4 g/L		W/S Mg mg/L
RC04	10.50-10.70	RC04-B1	B	Soft grey silty CLAY.	25.7	39	17	22	100										Chemical
RC04	12.00-12.30	RC04-B2	B	Grey mottled brown silty CLAY.	16.8	50	20	30	100										
RC04	19.00-19.50	RC04-B5	B	Stiff grey silty CLAY.	15.6	43	18	25	100										
RC04	22.50-22.70	RC04-B8	B	Light grey silty CLAY (Desiccated).	10.0	41	20	21	100										
RC05	24.50-24.80	RC05-B12	B	Stiff grey sandy clayey SILT. Sand is fine.	17.5	24	18	6.0	100										Electrical Resistivity
TP01	2.50	TP01-D1	D																Chemical
TP06	1.00	TP06-B3	B																Chemical
TP06	1.50	TP06-B4	B	Dark brown slightly gravelly sandy silty CLAY with occasional roots and shell fragments.															Particle Size Distribution Electrical Resistivity
TP06	4.00	TP06-B5	B																Chemical
TP09	1.00	TP09-B1	B																Chemical

Sample type: B (Bulk disturb.) BLK (Block) C (Core) D (Disturbed) LB (Large Bulk dist.) U (Undisturbed)

Checked and Approved by  J Sturges - Operations Manager 01/09/2022	Project Number: <p style="text-align: center;"><b>GEO / 36055</b></p> Project Name: <p style="text-align: center;"><b>CANFORD ENERGY PARK EX-21-001</b></p>	
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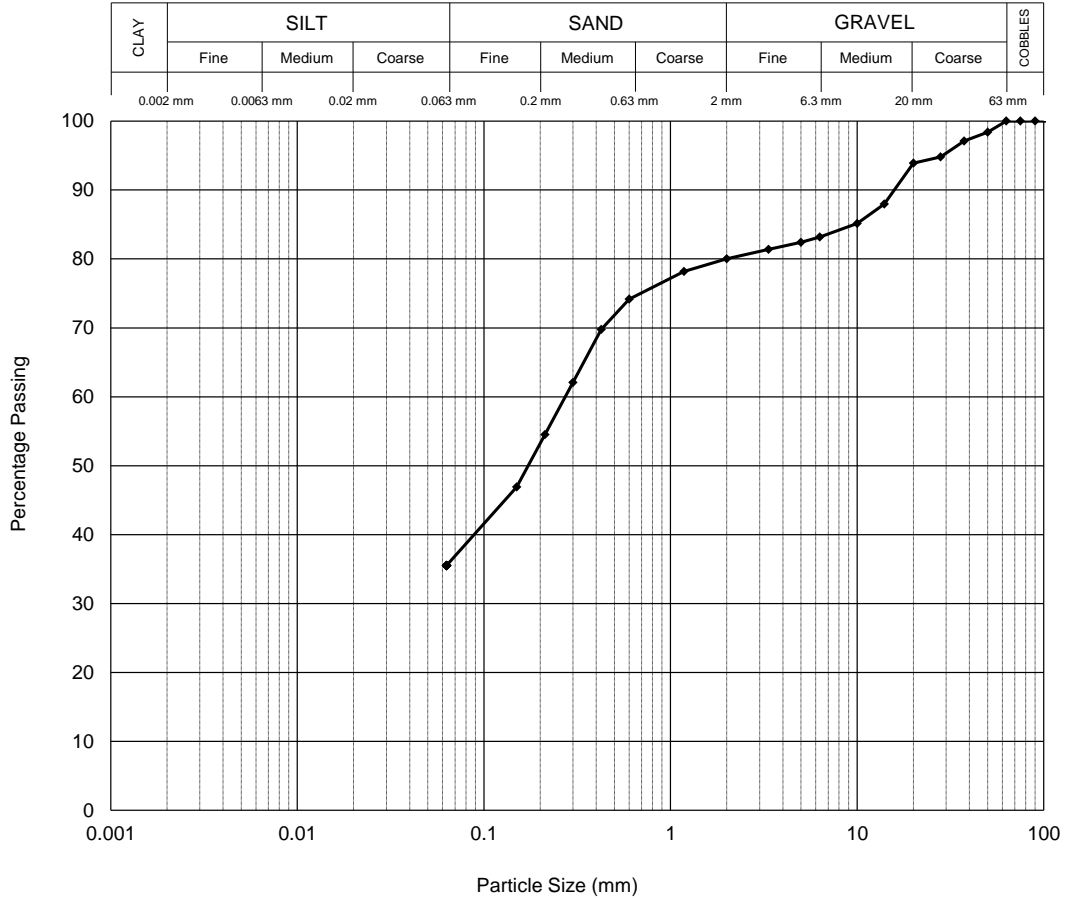
# PARTICLE SIZE DISTRIBUTION

Location TP06  
 Sample Ref TP06-B4  
 Depth (m) 1.50  
 Sample Type B

Description  
 Dark brown slightly gravelly sandy silty CLAY with occasional roots and shell fragments.

BS EN ISO 17892-4 : 2016 : Clause 5.2 - Wet Sieve

Sieve	
Size	% Pass
200.0 mm	100
125.0 mm	100
90.0 mm	100
75.0 mm	100
63.0 mm	100
50.0 mm	98
37.5 mm	97
28.0 mm	95
20.0 mm	94
14.0 mm	88
10.0 mm	85
6.30 mm	83
5.00 mm	82
3.35 mm	81
2.00 mm	80
1.18 mm	78
600 µm	74
425 µm	70
300 µm	62
212 µm	55
150 µm	47
63 µm	36



Particle Proportions	
Cobbles	0.0
Gravel	20.0
Sand	44.5
Silt & Clay	35.5

1262 - PSD TP06 01.50 TP06-B4 B - 36055-450164-XLSM

Version 113.2.11223

Tested by IT  
 Checked and Approved by  
  
 J Sturges - Operations Manager  
 01/09/2022

Project Number:  
 Project Name:

**GEO / 36055**

**CANFORD ENERGY PARK  
 EX-21-001**





**RESISTIVITY BY WENNER PROBE METHOD**

Location RC04  
 Sample Ref RC04-B1  
 Depth (m) 10.50-10.70  
 Sample Type B

Description:  
 Soft grey silty CLAY.

Sample Preparation	Recompacted using 2.5 kg compactive effort
--------------------	---

Sample Diameter	67.0 mm
Sample Length	146.0 mm

Bulk Density	1.96 Mg/m <sup>3</sup>
Dry Density	1.58 Mg/m <sup>3</sup>
Water Content	24.1 %

Description of Electrodes	2mm diameter steel probes
Spacing of Electrodes	25 mm
Depth of Insertion of Electrodes	25 mm

Material retained on 10mm test sieve	0 %
Temperature of Test	23.2 °C

**Electrical Resistivity**                      **21**                      **ohm.m**

**Electrical Conductivity**                      **0.047**                      **S/m (ohm<sup>-1</sup>.m<sup>-1</sup>)**

Checked and Approved by:



J Sturges - Operations Manager  
01/09/2022

Project Number:

**GEO / 36055**

Project Name:

**CANFORD ENERGY PARK  
EX-21-001**

**GEOLABS**®

## RESISTIVITY BY WENNER PROBE METHOD

Location RC05 Sample Ref RC05-B12 Depth (m) 24.50-24.80 Sample Type B	Description: Stiff grey sandy clayey SILT. Sand is fine.
--	---

Sample Preparation	Recompacted using 2.5 kg compactive effort
--------------------	--



Sample Diameter	103.0 mm
Sample Length	161.0 mm

Bulk Density	2.13 Mg/m <sup>3</sup>
Dry Density	1.88 Mg/m <sup>3</sup>
Water Content	13.2 %

Description of Electrodes	2mm diameter steel probes
Spacing of Electrodes	25 mm
Depth of Insertion of Electrodes	25 mm

Material retained on 10mm test sieve	0 %
Temperature of Test	22.5 °C

**Electrical Resistivity**                      **14**                      **ohm.m**  
**Electrical Conductivity**                      **0.071**                      **S/m (ohm<sup>-1</sup>.m<sup>-1</sup>)**

Checked and Approved by:  J Sturges - Operations Manager 01/09/2022	Project Number: <b>GEO / 36055</b> Project Name: <b>CANFORD ENERGY PARK</b> <b>EX-21-001</b>	
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**RESISTIVITY BY WENNER PROBE METHOD**

Location TP06  
 Sample Ref TP06-B4  
 Depth (m) 1.50  
 Sample Type B

Description:  
 Dark brown slightly gravelly sandy silty CLAY with occasional roots and shell fragments.

Sample Preparation	Recompacted using 2.5 kg compactive effort
Sample Diameter	103.0 mm
Sample Length	161.0 mm
Bulk Density	1.82 Mg/m <sup>3</sup>
Dry Density	1.42 Mg/m <sup>3</sup>
Water Content	28.6 %
Description of Electrodes	2mm diameter steel probes
Spacing of Electrodes	25 mm
Depth of Insertion of Electrodes	25 mm
Material retained on 10mm test sieve	6.48 %
Temperature of Test	22.5 °C

**Electrical Resistivity**                      **16**                      **ohm.m**

**Electrical Conductivity**                      **0.063**                      **S/m (ohm<sup>-1</sup>.m<sup>-1</sup>)**

Checked and Approved by:



J Sturges - Operations Manager  
01/09/2022

Project Number:

**GEO / 36055**

Project Name:

**CANFORD ENERGY PARK**  
**EX-21-001**





## **Annex G: Gas Monitoring Results**



# In Situ Gas Monitoring Pro Forma



<b>Site:</b>	Canford Energy Park						
<b>Job No:</b>	EX-21-001						
<b>Date/Time of Visit:</b>	06/09/2022 @ 15:00						
<b>Atmospheric Pressure (mb):</b>		Trend	Start	Finish	- 24 Hrs	- 48 Hrs	- 72 Hrs
		Steady	1023	1021	1024	1020	1016
<b>Weather Conditions:</b>	Overcast						
<b>Ground Conditions:</b>	Dry						
<b>Technician:</b>	TM						
<b>Instrument:</b>	Geotechnical Instruments Gas Analyser (GA5000) – Serial No. GS01105						

BH / WS No.	Flow l/hr		Methane (CH <sub>4</sub> )		Carbon Dioxide (CO <sub>2</sub> ) % V/V		Oxygen (O <sub>2</sub> )		Water Level (mbgl)	Well Depth (mbgl)	Other Gases (ppm)					
			% V/V				% V/V				H2S	CO	VOC			
			Peak	Steady (mins)	Peak	Steady (mins)	Min	Steady (mins)								
RCO4	1	0	0.5	1	0.5	2.3	1	2.2	18.4	7.43	22.00					
	2	0		2	0.5		2	2.3							2	18.4
	3	0		3	0.5		3	2.3							3	18.4
	10			10			10								10	
CP02	1	0	0	1	0	4.1	1	3.9	14.7	4.20	20.00					
	2	0		2	0		2	4							2	14.7
	3	0		3	0		3	4.1							3	14.7
	10			10			10								10	
CP04	1	0	0	1	0.3	1.6	1	1.5	19.6	5.10	19.89					
	2	0		2	0.3		2	1.6							2	19.6
	3	0		3	0.3		3	1.6							3	19.6
	10			10			10								10	
RC01*	1			1			1									
	2			2			2									
	3			3			3									
	10			10			10									
RC05*	1			1			1									
	2			2			2									
	3			3			3									
	10			10			10									
CP06*	1			1			1									
	2			2			2									
	3			3			3									
	10			10			10									
WS24*	1			1			1									
	2			2			2									
	3			3			3									
	10			10			10									

**Notes:**  
 \* - Hole vanadlaised. Unable to monitor. WS24 inaccessible

# In Situ Gas Monitoring Pro Forma



<b>Site:</b>	Canford Energy Park						
<b>Job No:</b>	EX-21-001						
<b>Date/Time of Visit:</b>	29/09/2022/ @ 12pm						
<b>Atmospheric Pressure (mb):</b>	1000	Trend	Start	Finish	- 24 Hrs	- 48 Hrs	- 72 Hrs
		Steady	1023	1021	1024	1020	1016
<b>Weather Conditions:</b>	Sunny						
<b>Ground Conditions:</b>	Dry						
<b>Technician:</b>	TM						
<b>Instrument:</b>	Geotechnical Instruments Gas Analyser (GA5000) – Serial No. GS01105						

BH / WS No.	Flow l/hr		Methane (CH <sub>4</sub> )		Carbon Dioxide (CO <sub>2</sub> ) % V/V		Oxygen (O <sub>2</sub> )		Water Level (mbgl)	Well Depth (mbgl)	Other Gases (ppm)		
			% V/V		% V/V		% V/V				H2S	CO	VOC
			Peak	Steady (mins)	Peak	Steady (mins)	Min	Steady (mins)					
RC04 *	1			1				1					
	2			2				2					
	3			3				3					
	10			10				10					
CP02	1	0	0	1	0	0	20.7	1	20.7	2.00	20.00		
	2	0	0	2	0	0	20.7	2	20.7				
	3	0	0	3	0	0	20.7	3	20.7				
	10			10				10					
CP04	1	0	0	1	0	0	20.7	1	20.7	2.90	20.00		
	2	0	0	2	0	0	20.7	2	20.7				
	3	0	0	3	0	0	20.7	3	20.7				
	10			10				10					
RC01*	1			1				1					
	2			2				2					
	3			3				3					
	10			10				10					
RC05*	1			1				1					
	2			2				2					
	3			3				3					
	10			10				10					
CP06*	1	0	0	1	0	0	20.7	1	20.7				
	2	0	0	2	0	0	20.7	2	20.7				
	3	0	0	3	0	0	20.7	3	20.7				
	10			10				10					
WS24*	1			1				1					
	2			2				2					
	3			3				3					
	10			10				10					

**Notes:**

\* = Vandalised. CP06 has gas bung jammed into pipe so gas measurable but not water level or well depth. WS24 inaccessible

# In Situ Gas Monitoring Pro Forma



<b>Site:</b>	Canford Energy Park						
<b>Job No:</b>	EX-21-001						
<b>Date/Time of Visit:</b>	18/10/2022/ @ 11:30 am						
<b>Atmospheric Pressure (mb):</b>	1022	Trend	Start	Finish	- 24 Hrs	- 48 Hrs	- 72 Hrs
		Steady	1022	1022	1018	1010	1006
<b>Weather Conditions:</b>	Sunny						
<b>Ground Conditions:</b>	Dry						
<b>Technician:</b>	TM						
<b>Instrument:</b>	Geotechnical Instruments Gas Analyser (GA5000) – Serial No. GS01105						

BH / WS No.	Flow l/hr		Methane (CH <sub>4</sub> )		Carbon Dioxide (CO <sub>2</sub> ) % V/V		Oxygen (O <sub>2</sub> )		Water Level (mbgl)	Well Depth (mbgl)	Other Gases (ppm)			
			% V/V		% V/V		% V/V				H2S	CO	VOC	
			Peak	Steady (mins)	Peak	Steady (mins)	Min	Steady (mins)						
RC04 *	1		28.4	1	18	0.9	1	0.7	10.6	1	14.1			
	2			2	23.8		2	0.6		2	12.1			
	3			3	28.4		3	0.9		3	10.6			
	10			10			10			10				
CP02	1	0	0	1	0	0	1	0	12.7	1	15.7	1.66	19.2	
	2	0		2	0		2	0		2	14.9			
	3	0		3	0		3	0		3	12.7			
	10			10			10			10				
CP04	1	0	0	1	0	0.1	1	0.1	20.4	1	20.4	1.32	17.7	
	2	0		2	0		2	0		2	20.5			
	3	0		3	0		3	0		3	20.5			
	10			10			10			10				
RC01*	1			1			1			1				
	2			2			2			2				
	3			3			3			3				
	10			10			10			10				
RC05*	1			1			1			1				
	2			2			2			2				
	3			3			3			3				
	10			10			10			10				
CP06*	1	0	0	1	0	0	1	0	20.5	1	20.5	0.79	1.91	
	2	0		2	0		2	0		2	20.6			
	3	0		3	0		3	0		3	20.6			
	10			10			10			10				
WS24*	1	0	0	1	0	0	1	0	20.2	1	20.2	0.79	1.91	
	2	0		2	0		2	0		2	20.3			
	3	0		3	0		3	0		3	20.4			
	10			10			10			10				

**Notes:**  
 \* = Vandalised. CP06 has gas bung jammed into pipe so gas measurable but not water level or well depth.

# In Situ Gas Monitoring Pro Forma



<b>Site:</b>	Canford Energy Park						
<b>Job No:</b>	EX-21-001						
<b>Date/Time of Visit:</b>	28/10/2022/ @ 11:45 am						
<b>Atmospheric Pressure (mb):</b>	1011	Trend	Start	Finish	- 24 Hrs	- 48 Hrs	- 72 Hrs
		Steady	1011	1011	1015	1013	1012
<b>Weather Conditions:</b>	Dry						
<b>Ground Conditions:</b>	Dry						
<b>Technician:</b>	TM						
<b>Instrument:</b>	Geotechnical Instruments Gas Analyser (GA5000) – Serial No. GS01105						

BH / WS No.	Flow l/hr		Methane (CH <sub>4</sub> )		Carbon Dioxide (CO <sub>2</sub> ) % V/V		Oxygen (O <sub>2</sub> )		Water Level (mbgl)	Well Depth (mbgl)	Other Gases (ppm)			
			% V/V		% V/V		% V/V				H2S	CO	VOC	
			Peak	Steady (mins)	Peak	Steady (mins)	Min	Steady (mins)						
RC04 *	1		65.1	1	61.8	1.5	1	1.4	3.2	1	4.1			
	2			2	63.8		2	1.5		2	3.5			
	3			3	65.1		3	1.5		3	3.2			
	10			10			10			10				
CP02	1	0	0	1	0	0.1	1	0.1	14.2	1	18.2	1.4	19.25	
	2	0		2	0		2	0.1		2	16.2			
	3	0		3	0		3	0.1		3	14.2			
	10			10			10			10				
CP04	1	0	0	1	0	0.1	1	0.1	20.4	1	20.5	1.25	17.7	
	2	0		2	0		2	0		2	20.4			
	3	0		3	0		3	0		3	20.4			
	10			10			10			10				
RC01*	1			1			1			1				
	2			2			2			2				
	3			3			3			3				
	10			10			10			10				
RC05*	1			1			1			1				
	2			2			2			2				
	3			3			3			3				
	10			10			10			10				
CP06*	1	0	0	1	0	0.2	1	0.2	20.7	1	20.7			
	2	0		2	0		2	0.1		2	20.7			
	3	0		3	0		3	0.1		3	20.7			
	10			10			10			10				
WS24*	1	0	0	1	0	0	1	0	20.4	1	20.4	0.63	1.91	
	2	0		2	0		2	0		2	20.4			
	3	0		3	0		3	0		3	20.4			
	10			10			10			10				

**Notes:**  
 \* = Vandalised. CP06 has gas bung jammed into pipe so gas measurable but not water level or well depth.

## Appendix E – BGS Borehole Record





AC.46927

1343103710131

SZ 09/44

**MERCIA DRILLING LTD**

SZ 09NW/489

**SITE LOCATION DETAILS**

**Borehole drilled for:** Woodlands Manor Estates Ltd, ( Eng. Mr Tom Cosgrove )  
**At:** Canford Park, Magna Road,  
**Town:** Wimbourne  
**County:** Dorset  
**National Grid ref:** SZ 0373 9710  
**Borehole drilled by:** A.D. Howley & J Walyoff  
**Date of drilling:** March 2000

**STRATIGRAPHICAL LOG**

Description of strata	Thickness m	Depth to base m
Made Ground ( Brick Hardcore, Rubble )	0.30	0.30
Yellow Clay with Gravels	0.20	0.50
Soft Yellow Sandy Clay	1.00	1.50 <sup>6°C</sup>
Medium Stiff Grey Clay	1.00	2.50
Soft Yellow Sand with Clay lenses	5.50	8.00
Medium Stiff Grey / Yellow Sand with Clay lenses	3.50	11.50 <sup>S</sup>
Soft Dark Grey Clay occasional Yellow Streaks	2.30	13.80
Medium Stiff Grey Clay with Sand lenses	3.20	17.00
Grey Sands with occasional clay layers	6.30	23.30
Medium Stiff Grey Clay ( Organic material )	2.20	25.50
Stiff Grey Clay with occasional Blue / White bands	32.40	57.90 <sup>L.C.</sup>
Medium Soft Red / Grey / White Mottled Clays	19.70	77.60 <sup>W.F.</sup>
White Chalk occasional small flint bands at top	42.40	120.00 <sup>Chk</sup>

BOREHOLE TERMINATED