

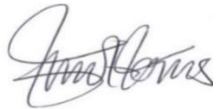




**KEIR HARDIE WAY,  
DAGENHAM, IG11 9NU  
PHASE I AND PHASE II  
GEOTECHNICAL AND GEO-  
ENVIRONMENTAL GROUND  
INVESTIGATION REPORT  
*BEFIRST (REGENERATION) LTD*  
20<sup>TH</sup> OCTOBER 2020**

<b>Site:</b>	KEIR HARDIE WAY, DAGENHAM, IG11 9NU	
<b>Title:</b>	PHASE I AND PHASE II GEOTECHNICAL AND GEO-ENVIRONMENTAL GROUND INVESTIGATION	
<b>Project:</b>	RESIDENTIAL DEVELOPMENT	
<b>Client:</b>	BEFIRST (REGENERATION) LTD	
<b>Date:</b>	20 <sup>TH</sup> OCTOBER 2020	
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# DESK STUDIES GROUND INVESTIGATION CONSULTANCY

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At Land Science we aim to understand our clients needs, and appreciate the role ground issues play within a wider context. That's why we provide our clients with a reliable service and first class expertise tailored to specific requirements.



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## 1 INTRODUCTION

### 1.1 General

Land Science was instructed to undertake a Phase I and Phase II Geotechnical and Geo-Environmental Investigation in relation to the proposed future redevelopment at Keir Hardie Way, Dagenham, IG11 9NU. The location of the site is shown on Figure 1, which is centred at grid reference TQ 4650 8406.

### 1.2 Client

The Client for this appointment was BeFirst (Regeneration) Ltd. This report may be used by this named client only and is subject to the confidentiality notice set out in section 3.1, and cannot be relied upon by any other party as set out in the report conditions.

### 1.3 The Site

The area under investigation comprised a roughly rectangular shaped parcel of land containing a garage block and central concrete yard.

The layout of the existing site is indicated on Figure 2, and a walkover survey is presented in section 6.0. The area was approximately 0.46 hectares. It was understood that the Client was in ownership of the site, and that this investigation was not a pre-purchase appraisal.

### 1.4 Form of Development

Although no formal proposed plans were available at the time of this report, it was understood the site was to be redeveloped into residential land use. Once proposed plans have been produced, this report should be updated.

### 1.5 Previous Investigations

Land Science was not aware of any previous desk studies or ground investigation(s) undertaken on this site.

### 1.6 Scope of Works

The proposed scope of works was to comprise the following:

- A desk study
- 5no. Dynamic (windowless) sampler boreholes
- 5no. Super heavy dynamic probes
- Laboratory testing

The fieldwork was conducted on 23<sup>rd</sup> September 2020, under the supervision of Land Science.

### 1.7 Geotechnical Objectives

A Ground Investigation Report was required in order to provide an interpretation of ground conditions with respect to proposed foundations, pavements, concrete specification, and excavations.

### 1.8 Geo-Environmental Objectives

A phase I (desk study) and phase II (intrusive investigation) was required, to provide a generic quantitative risk assessment (GQRA) in respect of the proposed redevelopment, adjacent land uses, and the wider environment, in the context of the planning regime.

## 2 STANDARDS AND REFERENCES

### 2.1 Standards

Where practicable, the investigation was undertaken in accordance with the following primary standards and guidance:

- BS10175:2011+A1:2013, Investigation of Potentially Contaminated Sites.
- Model Procedures for the Management of Contaminated Land, DEFRA and Environment Agency, September 2004 (“CLR11”).
- Guiding Principles for Land Contamination, Environment Agency, March 2010.
- National Planning Policy Framework, July 2018.
- Building Regulations Approved Document C: Site preparation and resistance to contaminants and moisture, HM Government, July 2013.
- NHBC Standards Chapter 4.1: Land Quality - Managing Ground Conditions, 2019.
- BS 5930:2015 Code of Practice for Site Investigations
- BS 1377:2018 Soils for Civil Engineering Purposes
- BS 8004:2015 Code of Practice for Foundations
- BS EN 1997-2:2007. Eurocode 7: Geotechnical Design – Part 2: Ground Investigation and testing.

Other technical sources have been cited in respect of specific aspects of the investigation, as referenced throughout the text.

### 2.2 References

A number of technical references have been referred to in the preparation of this document, including:

- Smith, I. (2014) Smith’s Elements of Soil Mechanics. Chichester. Wiley Blackwell. 9<sup>th</sup> Edition.
- Highways England 2009. Interim Advice Note 73/06 revision 1: Design Guidance for Road Pavement foundations (draft HD25)
- Radon: Guidance on protective measures for new buildings, BRE Report BR 211, 2015 2ND edition
- Revised EU Waste Framework Directive 2008 2008/98/EC [transposed into English law under The Waste (England and Wales) Regulations 2011]

- European Community (EC) Directive 1999/31/EC [transposed into English law under the Landfill (England and Wales) Regulations 2002]
- Defining Waste Recovery - Permanent Deposit of Waste on Land, EPR13 v1.0, EA 2010
- The definition of waste: Development Industry Code of Practice, v2, CL:AIRE 2011
- Guidance on the classification and assessment of waste Technical Guidance WM3 (“WM3”) EA publication (1st edition 2015)

### 2.3 Notes

If a long delay exists between the investigation and commencement on site, it may be necessary to check whether any standards have changed in the intervening period.

### 3 REPORT CONDITIONS

#### 3.1 Report Conditions

This report is issued subject to the conditions set out in section 3 and the terms and conditions of appointment agreed with the Client.

#### 3.2 General

Interpretation of ground conditions inherently depends on the conditions revealed by a limited data set. Land Science takes all reasonable professional care in preparation of this report, using current standards and industry best practice. However, we accept no liability whatsoever expressed or implied in respect of:

- The scope, extent or design of an investigation.
- Any conditions not directly revealed by the investigation.
- Published standards or methodologies used or adopted in this report.
- The opinion of any other party including any regulator, authority or stakeholder.
- Any dispute, claim or consequential loss arising from this report.
- Any matter other than ground conditions.

Land Science does not accept any risk or any direct or consequential liability relating to ground conditions. The client should understand their risks and liabilities and seek further professional advice.

No aspect of this report constitutes a design. Where this information is used in design, the designer should verify that the information has been used appropriately.

#### 3.3 Confidentiality

This report may only be relied upon by the Client and their design team, and should only be read and used in full. No responsibility will be accepted where this report is used, by any other party, who do so at their peril. The report may not be relied upon or transferred to any other parties without the express written agreement of Land Science.

#### 3.4 Third Party Information

Third party information used in the production of this report has been relied upon as being accurate. Land Science cannot warrant or accept any liability for errors and/or omissions in third party information.

#### 3.5 Regulators and Approvals

It is recommended that this report is submitted to any relevant authorities for their own assessments and to provide their approval or comments accordingly. This should be in good time before commencing on site in case additional work is to be carried out.

Standards, technical guidance and regulatory positions change over time and which may therefore affect the findings and recommendations made in this report. This should be verified by the client prior to any critical contractual points or commencing on site.

#### 3.6 Variations with time

The report relates to conditions revealed at the time of the investigation and any monitoring visits. A number of parameters may vary over time or seasonally. Groundwater levels, ground gas compositions, or concentrations of contaminants are particularly variable in this respect. Further monitoring or verification should be considered as appropriate.

#### 3.7 Other Matters

This report makes no representation on other matters such as ecology, agronomy, arboriculture, structural condition, building materials, boundaries and planning etc.

No aspect of this report should be taken as a guarantee whatsoever that a site is free of pollution, contamination or hazardous materials.

## 4 PHASE I DESK STUDY

### 4.1 General

A geotechnical and geo-environmental desk study was prepared, and included a review of:

- Maps and historical borehole records from the British Geological Survey
- Information publicly available online from the Environment Agency
- Historical Ordnance Survey maps
- An environmental data report

Copies of relevant data are presented in Appendix E.

### 4.2 Geology

Based on mapping published online by the British Geological Survey (BGS), the geology of the site was anticipated to comprise the following succession:

Strata	Generic description
Taplow Gravel Member	Sand and gravel, locally with lenses of silt, clay or peat.
London Clay Formation	The London Clay mainly comprises bioturbated or poorly laminated, blue-grey or grey-brown, slightly calcareous, silty to very silty clay, clayey silt and sometimes silt, with some layers of sandy clay.

The Ilford Silt Member is mapped close by to the site, if encountered the stratum would overlie the Taplow Gravel Member.

### 4.3 Historical Boreholes

Records of old boreholes are held by the BGS. However, no relevant borehole records were available within the vicinity of the site.

### 4.4 Background Geochemistry

The BGS publish a series of different estimated background levels of selected contaminants, which are useful for land quality assessments, to establish whether results may be attributed to pollution or soil parent material composition.

No estimates of soil chemistry, or urban soil chemistry data was available for the site. However, the BGS interpolate of the measured urban soil chemistry data to 100m square grids using a combination of topsoil analysis and geological parent materials. A summary of the data is presented below:

	Arsenic	Cadmium	Chromium	Lead	Nickel
<b>Minimum</b>	1.00mg/kg	0.10mg/kg	13mg/kg	11mg/kg	2.00mg/kg
<b>Maximum</b>	161mg/kg	165.2mg/kg	2094mg/kg	10,000mg/kg	506mg/kg
<b>Average</b>	17mg/kg	0.90mg/kg	79mg/kg	280mg/kg	28mg/kg

### 4.5 Geological Hazards

The BGS produce hazard assessment maps for a selection of common geotechnical datasets, and the classifications referring to the site (and immediate vicinity – if relevant) are summarised below:

Dataset:	Location	Hazard
Collapsible Ground Stability Hazards	On Site	Very Low
Landslide Ground Stability Hazards		
Running Sand Ground Stability Hazards		
Compressible Ground Stability Hazards		No Hazard
Ground Dissolution Stability Hazards		
Shrinking or Swelling Clay Ground Stability Hazards		

### 4.6 Mining and Natural Cavities

A search of various databases for coal mining, mining, brine compensation, and natural cavities was carried-out, and the findings are summarised below:



Database	Results
CBSCB Compensation District	No features found
Coal Mining Affected Areas	
Non Coal Mining Areas of Great Britain	
Mining Instability	
Man-Made Mining Cavities	
Natural Cavities	

#### 4.7 Radon Potential

The requirement for Radon Protection Measures (RPM) has been assessed in accordance with BRE 211:2015. Public Health England and the BGS estimate the potential for radon and the requirement for Radon Protection Measures on site as follows:

Probability	Protection Measure
Not at risk - Less than 1% of homes are estimated by PHE to exceed the threshold for Radon gas in residential dwellings.	No Radon Protection Measures (RPM) are required for new dwellings or extensions constructed at this location.

#### 4.8 Hydrogeology

Based on the geology and topography of the local area, groundwater was is anticipated within the Taplow Gravel Member perched upon the cohesive London Clay Formation.

#### 4.9 Groundwater Flooding

The BGS have produced a series of hazard assessments for the potential of flooding from groundwater, and data relating to the site and a 50m radius is summarised below.

Location	Flooding type
On site	Potential for groundwater flooding to occur at surface
	Potential for groundwater flooding of property situated below ground level

#### 4.10 Aquifer Designations

The Environment Agency classifies geological units across England into different designations as Aquifers. The designations for strata beneath the site are given below, which corresponds to an overall designation as a Secondary A Aquifer.

Strata	Classification	Details
Groundwater Vulnerability	High	Areas able to easily transmit pollution to groundwater. They are characterised by high leaching soils and the absence of low permeability superficial deposits.
Taplow Gravel Member	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.
London Clay Formation	Unproductive Strata	Low permeability strata that have negligible significance for water supply or river base flow

#### 4.11 Groundwater Abstractions

No groundwater abstractions were identified as part of the desk study within a 1000m radius of the site.

#### 4.12 Source Protection Zones

A groundwater Source Protection Zone (SPZ) is an area of protection placed around a well or borehole that supplies groundwater of potable quality. No SPZ's were identified on and within 250m of the site according to the Environment Agency.

#### 4.13 Surface Water Features

No surface water bodies were identified on site and in the immediate vicinity. The nearest features were two small ponds/lakes located within *Mayesbrook Park* some 316m north

#### 4.14 River Quality

No features were found within a 250m radius.

#### 4.15 Surface Water Flooding

Land potentially susceptible to flooding from seas, rivers, reservoirs and surface water is identified by the Environment Agency. Current mapping indicated the following:

Source	Details
River and the sea	The site lies within an area susceptible to very low risk of flooding (i.e. >0.1% chance of flooding)
Surface water	The central courtyard of the site is classified as susceptible to low levels of flooding (i.e. between 0.1% and 1% chance). All other areas of the site were classified as very low risk.
Reservoirs	The site does not lie within an area susceptible to reservoir flooding

#### 4.16 Licences Database Search

A search of various industrial land use databases was carried-out within a 250m radius of the site, and the findings relevant to the site are summarised below:

Database	Results
Prosecutions Relating to Authorised Processes	No features found
Integrated Pollution Controls	
Registered Radioactive Substances	
Contaminated Land Register Entries and Notices	
Enforcement and Prohibition Notices	
Integrated Pollution Prevention and Control	
Substantiated Pollution Incident Register	
LA Integrated Pollution Prevention & Control	
LA Pollution Prevention and Control Enforcements	
Prosecutions Relating to Controlled Waters	
Water Industry Act Referrals	
Hazardous Substances	

#### 4.17 Contemporary Trade Directories

A search of contemporary trade directory databases was made, and the following relevant data was identified on site and within a 250m radius.

Location	Address	Classification	Status
77m SE	Bobs Mobile Service, 415 Lodge Avenue, Dagenham, Essex, RM9 4QD	Garage Services	Inactive
122m S	Safe Handz Domestix, 446 Lodge Avenue, Dagenham, Essex, RM9 4QS	Cleaning Services - Domestic	Active
133m S	Wisdom Gate Servcies, 450a Lodge Avenue, Dagenham, Essex, RM9 4QS	Commercial Cleaning Services	Inactive
163m S	Steam Dry Cleaner, 460 Lodge Avenue, Dagenham, Essex, RM9 4QS	Dry Cleaners	Inactive
203m SE	D & C Repairs, 269 Stamford Road, Dagenham, RM9 4EH	Domestic Appliances - Servicing, Repairs & Parts	Active

#### 4.18 Points of Interest

A search of “points of interest” was made, no relevant data was identified on site and within 250m.

#### 4.19 Fuel Station Entries

A search of fuel stations was made, no relevant data was identified on site and within 250m.

#### 4.20 Underground Pipelines and Cables

A search of records of major underground pipelines and cable infrastructure (not to be confused with utilities) identified no features on site and in the immediate vicinity.

#### 4.21 Discharge Consents

No discharge consents or pollution incidents were identified on site and within 250m.

#### 4.22 Waste Management Facilities

Searches of various databases of current and historical waste management facilities (including mapped areas of possible infilled land) are summarised on the following table:

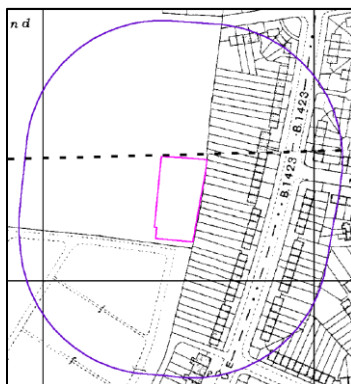
Database	Results
Historical Landfill Sites	No features found
Licensed Waste Management Facilities	
Registered Landfill Sites	
BGS Recorded Landfill Sites	
Integrated Pollution Control Registered Waste Sites	
Local Authority Recorded Landfill Sites	
Registered Waste Transfer Sites	
Registered Waste Treatment or Disposal Sites	
Potentially Infilled Land	

## 5 SITE HISTORY

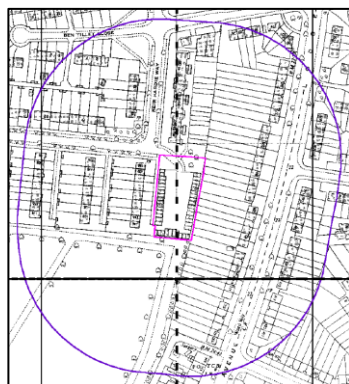
### 5.1 Historical Maps

Historical maps dating between 1864 and 1991 were reviewed to identify the history of the site and local area. The outline of the site shown is geo-referenced to the current grid system; due to inaccuracies in mapping techniques the actual boundary on older maps may vary. Given the size of these files, smaller scale maps are not appended to the PDF version of this report but are available separately.

In summary, from 1864 the site comprised part of open agricultural fields until 1961 when the site was developed into a garage block, commensurate to the present day. No further significant changes were noted.



OS Map 1939



OS Map 1961/62

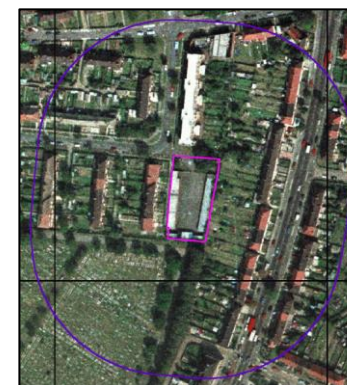
The surrounding area also initially comprised of open agricultural land with the first signs of development in 1939 with residential dwellings to the east, a *Cemetery* to the south/south-west and *Sports Field* to the west. In 1947, further residential dwellings had been constructed in the previously used Sports Field; it is thought to be in the early construction phase with only roadways and rough building outlines present. By 1961, the dwelling were fully established and Cemetery to the south/south-west named as *Rippleside Burial Ground*. The surrounding area undertook no further significant changes since the early nineteen-sixties and remained commensurate to the present day.

### 5.2 Aerial Photographs

Two historical aerial images were provided, one from 1947 and the other taken in 1999. The early image shows the site as part of an undeveloped strip of vacant land sandwiched between two residential dwellings. The later image from 1999 does not provide any further relevant information.



OS Map 1947



OS Map 1999



## 6 SITE WALKOVER

### 6.1 General

A site walkover was undertaken as part of the fieldwork on 24<sup>th</sup> September 2020. Photographs of the site are provided in Appendix A.

### 6.2 Site Layout

In summary, the site comprised a broadly rectangular shaped parcel of land with several garages along the southern, eastern and western boundaries, and an area of hardstanding/car parking in the centre.

The garages comprised three separate rows and were brick built, with wooden doors and corrugated cement board roofs. All the garages were currently in use and locked, and the contents could not be viewed. Roof water run-off from the garage roofs appeared to drain into the central asphalt area.

In the centre of the garages was a hardstanding area comprising worn asphalt. Two cars were parked at the time of the investigation. No evidence of hydrocarbon spillage was noted. At the northern boundary of the site was a brick and steel fence and entrance gate.

### 6.3 Surrounding Area

The site was located in a predominantly residential area, and was primarily surrounded by further dwellings, with a large cemetery 10m south. The site fronted on to Keir Hardie Way to the north.

No potentially contaminative land uses were identified in the local vicinity.

### 6.4 Elevation and Topography

The topography of the local area was generally flat and level. The site was also generally flat and level and was located at an approximate elevation of 8mOD.

## 6.5 Ground Conditions

No evidence of existing soil conditions was observed, such as open excavations or the like.

No immediate evidence of significant structural movement was observed, or was reported to Land Science. However, our inspection was cursory and a full survey was outside the scope of this report.

## 6.6 Surface Water and Groundwater

No surface water features were identified on site or in the immediate vicinity. No evidence of shallow groundwater, such as boggy waterlogged soils or water loving plants etc., were noted.

## 6.7 Trees and Vegetation

A tall mature ash tree was noted off-site adjacent to the north western corner of the site. Very tall mature trees were also noted off-site adjacent to the southern boundary. Moss and grass were noted growing within cracks and edges in the hardstanding area.

A detailed arboricultural survey was outside the scope of this report. A survey may be required for tree root protection purposes or for assessing the depth of foundations in the vicinity of trees.

There was no evidence of invasive plant species, but this was not a full survey.

## 6.8 Areas of Concern

Based on the site walkover, the following areas of concern were identified:

- Unknown contents of garages (possible storage/use/spillages of 'domestic' products associated with paints, solvents, oils etc.
- Vehicles parked on site (possible spillage of fuels and oils)
- Areas of concern are likely to be in and around the drainage system, potholes etc.

## 7 CONCEPTUAL SITE MODEL (CSM)

### 7.1 General

A preliminary geo-environmental Conceptual Site Model (CSM) was formulated for the site based on the desk study & site walkover, and in light of the anticipated proposed development. The model should be revised where the development proposals differ, any ground investigation data is available, or where unexpected conditions are encountered.

The model has been designed primarily in accordance with established procedures in BS5930, BS10175 and CLR11, and also draft ISO guidance. In accordance with best practice, the model has been used to identify possible contamination risks following a source-pathway-receptor ('SPR') approach.

### 7.2 Site Setting

Based on the anticipated ground conditions revealed in the desk study, the following generalised soil and groundwater model is anticipated:

Strata	Depths	Soil types	Groundwater
Made Ground	~1.00m	Mixed composition with man-made fragments such as brick, and concrete.	Unlikely
Taplow Gravel Member	~5.00m	Sand and gravel, locally with clay lenses	Perched upon the London Clay
London Clay Formation	>5.00m	Silty clays, locally with bands of fine sand	Unlikely

### 7.3 Risk Assessment Framework

A qualitative estimate of the level of risk associated with the identified source-pathway-receptor linkages has been made. The estimate is based on the likely significance of an identified source and the sensitivity of the identified receptor, as follows:

		Secondary Source				
		Unlikely	Very low	Low	Moderate	High
Receptor	Unlikely	Unlikely	Unlikely	Unlikely	Unlikely	Unlikely
	Very Low	Unlikely	Unlikely	Very low	Low	Low to moderate
	Low	Unlikely	Very low	Low	Low to moderate	Moderate
	Moderate	Unlikely	Low	Low to moderate	Moderate	High
	High	Unlikely	Low	Moderate	High	Very High

The principle of primary and secondary sources has been adopted in accordance with draft ISO/CD 21365. Further information is given in the accompanying notes, and are summarised as follows:

- A **primary source** is for instance a leaking tank or drainage, industrial activity, buried fill materials, etc, identified as part of the desk study and site walkover.
- A **secondary source** is either soils, ground gases, volatile vapours and groundwater, in which any resulting contamination may occur.

For instance, a leaking tank may contaminate soils and generate vapours, or buried fill materials may represent a source of ground gases or groundwater pollution. It should be noted that sources may also be receptors; for instance, groundwater may both be a receptor (as in the background chemical quality of an aquifer or resource) and in turn become a source (contaminated waters impacting on buried concrete structures). Further guidance is given in the accompanying notes.

### 7.4 Primary Sources

Identified primary and secondary sources of possible contamination arising in soils identified as part of the desk study and site walkover on site are summarised on the following table.

Primary Source	Description
Made Ground	Made Ground may exist on site beneath the current garages and hardstanding. The provenance of such materials is unknown and may be contaminated.  Contaminants include a wide range of possible metals, non-metals, organic contaminants, asbestos, etc.
Current land use (Garages)	The site has been used as a garage block since the 1960's, assumed to be linked to the residential development to the west and north. Current activities on site may include: <ul style="list-style-type: none"> <li>Unknown contents of garages (possible storage/use/spillages of 'domestic' products associated with paints, solvents, oils etc.</li> <li>Vehicles parked on site (possible spillage of fuels and oils)</li> </ul> Contaminants associated with these uses may include: <ul style="list-style-type: none"> <li>Heavy metals</li> <li>PAH's</li> <li>Petroleum hydrocarbons and VOC/SVOCs</li> </ul>

### 7.5 Secondary Sources

Based on the primary sources identified, the secondary sources (soils, volatile vapours, ground gases and groundwater) have been assessed as follows:

Secondary Source	Description	Rating
Soils	Made Ground is assumed to be present on site and has been used as a Garage for 60 years, the depth and composition of material is unknown.	Moderate
Volatile vapours	Any potential storage of fuels and oils as well as vehicles and machinery are likely to have taken place on site.	Low
Ground gases	The site is not located near to any historical landfill sites. The site has also undergone only one phase of development, the Made Ground is not expected to be greater than 1.00mbgl.	Unlikely
Groundwater	Groundwater may become a source of due to potential contaminants leaching out from the	Low

Secondary Source	Description	Rating
	Made Ground. The depth of the groundwater table is unknown.	

### 7.6 Potential Receptors

The following potential receptors associated with the site and the proposed future residential redevelopment have been considered in this report:

Group	Receptors	Rating
Human Health	End Users - It was assumed that the development proposals would be analogous to the surrounding area i.e. residential with gardens.	High
	Adjacent Land Users - Sensitive land uses identified locally. Further residential land use was noted in the surrounding areas.	Moderate
Built Environment	Soft Landscaping - It was assumed there would be some degree of soft landscaping e.g. private gardens	Moderate
	Structural Concrete - new foundations etc cast into the ground. Concrete is susceptible to attack from Sulphate in soils and groundwater, which is exacerbated by low pH values. New concrete is to be used in the substructure e.g. new foundations.	Moderate
	Water Supply Pipework - Water mains susceptible to chemical attack. Plastics laid in contact with ground contaminated by organic contaminants may degrade over time, which is especially an issue in respect of potable water supplies which are typically installed in plastic water mains and therefore risk becoming tainted.	High
Controlled Waters	Groundwater - Water below ground in permeable strata. The site overlies strata classified as Secondary A Aquifer with a high groundwater vulnerability rating.	Moderate
	Surface Water - Surface water in lakes and rivers etc. No surface water bodies were identified on site or in the vicinity. Surface water has not been identified as a potential receptor in this instance.	Unlikely

## 7.7 Receptors not considered

The following potential receptors were excluded from the assessment as they are covered by other legislative controls and are outside the remit of this report.

- Ecological receptors such as statutory protected species or wildlife areas. An assessment of such risks was outside the scope of this report.
- Site workers such as those involved in construction work or future maintenance. Any risks posed to site workers would be controlled through Health & Safety legislation, including the CDM and COSHH regulations etc.

The potential source-pathway-receptor linkages have been grouped by receptor and are discussed in the following sections:

## 7.8 End Users

The source-pathway-receptor linkages identified with respect to End Users are summarised below:

Source(s)	Pathway(s)	Risk rating
Soils	Dermal contact with soil and soil-borne dust	High
Soils	Ingestion of soil and soil-borne dust	High
Soils	Inhalation of soil-borne dust	High
Soils	Consumption of homegrown produce	High
Volatile vapours	Inhalation, ignition	Moderate
Ground gases	Inhalation, ignition	Unlikely
Groundwater	Direct contact	Moderate

## 7.9 Adjacent Land Users

Pathways for adjacent land users may be temporary (i.e. during development) or long term (on completion of the development). Off-site sources impacting on off-site receptors have not been considered.

The source-pathway-receptor linkages identified with respect to Adjacent Land Users are summarised below:

Source(s)	Pathway(s)	Risk rating
Soils	Inhalation of soil-borne dust	Moderate
Volatile vapours	Inhalation, ignition	Low to moderate
Ground gases	Inhalation, ignition	Unlikely
Groundwater	Direct contact	Low to moderate

## 7.10 Soft Landscaping

The source-pathway-receptor linkages identified with respect to Soft Landscaping are summarised below:

Source(s)	Pathway(s)	Risk rating
Soils	Plant uptake, phytotoxic effects	Moderate
Volatile vapours	Root asphyxiation, ignition, phytotoxic effects	Low to moderate
Ground gases	Root asphyxiation, ignition, phytotoxic effects	Unlikely
Groundwater	Plant uptake, phytotoxic effects	Low to moderate

## 7.11 Structural Concrete

The source-pathway-receptor linkages identified with respect to Structural Concrete are summarised below:

Source(s)	Pathway(s)	Risk rating
Soils	Chemical attack	Moderate
Volatile vapours	Not applicable	Unlikely
Ground gases	Not applicable	Unlikely
Groundwater	Chemical attack	Low to moderate



### 7.12 Potable Water Supplies

The source-pathway-receptor linkages identified with respect to Potable Water Supplies are summarised below:

Source(s)	Pathway(s)	Risk rating
Soils	Chemical attack	Moderate
Volatile vapours	Chemical attack	Low to moderate
Ground gases	Not applicable	Unlikely
Groundwater	Chemical attack	Low to moderate

### 7.13 Groundwater (receptor)

The source-pathway-receptor linkages identified with respect to Groundwater (as a receptor) are summarised below:

Source(s)	Pathway(s)	Risk rating
Soils	Leaching-out, migration through the water table	Low to moderate
Volatile vapours	Not applicable	Unlikely
Ground gases	Not applicable	Unlikely
Groundwater	Not applicable	Unlikely

### 7.14 Surface water

The source-pathway-receptor linkages identified with respect to Surface Water (as a receptor) are summarised below:

Source(s)	Pathway(s)	Risk rating
Soils	Leaching-out, migration through the water table	Unlikely
Volatile vapours	Not applicable	Unlikely
Ground gases	Not applicable	Unlikely
Groundwater	Lateral migration	Unlikely

### 7.15 Other Factors

The following other areas of possible concern were identified, but were outside the geo-environmental risk assessment:

Asbestos	Asbestos may exist within garages on site, including for instance in cement boarding. An appropriate survey should be undertaken.
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## 8 INTRUSIVE INVESTIGATION

A factual record of the conditions encountered during the physical investigation of the site is presented in the following sections.

### 8.1 Investigation Strategy

Based on the findings of the conceptual site model and the geotechnical objectives, the intrusive investigation was based on the following strategy:

Aspect	Position	Targets		Testing
		Depth	Existing Location	
Dynamic Sampler boreholes	DS1	4.00m	Northern half of site	SHDP
	DS2			
	DS3		Central portion	
	DS4		Southern half of the site	
	DS5			

All boreholes refused before achieving their target depths on hard natural ground. DS1 refused at 2.10mbgl, DS2 2.10mbgl, DS3 1.50mbgl, DS4 1.60mbgl, and DS5 1.30mbgl.

### 8.2 Dynamic (Windowless) Sampling (DS)

Dynamic Sampling entails 1m long hollow tubes with liners driven into the ground and retracted in order to obtain samples. The process is repeated sequentially to the target depth, unless impenetrable strata or borehole instability prevent further progress. The liners are split, logged, tested, and subsampled. Sample compression can occur within the liners, and the sampler can sometimes become blocked. Sample recovery is typically class 2 as defined in Eurocode 7.

### 8.3 Super Heavy Dynamic Probing (SHDP)

Dynamic Probing involves hammering a cone point into the ground and recording the number of blows required for each increment of penetration. The mass and falling height of the hammer, the energy efficiency, the dimensions of the cone, the rod specifications and rod friction are important considerations. A range of configurations are prescribed in Eurocode 7 and EN ISO 22476-2; the type deployed was *DPSH-A*.

### 8.4 Investigation Layout

A site plan showing the investigation layout is presented below. This has also been appended to the end of the report as shown in Figure 2.



## 9 GROUND CONDITIONS

### 9.1 General

The expected ground conditions were anticipated to comprise Taplow Gravel over London Clay Formation. The formation confirmed the Taplow Gravel Member however due the density, the underlying London Clay Formation was not.

A summary of the encountered conditions is presented below.

Base Depth (mbgl)					Strata
DS1	DS2	DS3	DS4	DS5	
0.03	0.03	0.10	-	0.04	Hardstanding
0.30	0.30	0.40	0.30	0.20	Made Ground
2.10+	1.60+	1.50+	1.60+	1.30+	Taplow Gravel Member

The identification of materials encountered as specific geological strata is tentative and should be used as a guide, and interpolation between or below investigation points should be treated with caution.

### 9.2 Hardstanding

All positions, except DS4, were located within Asphalt to a depth of between 0.03m and 0.10mbgl.

### 9.3 Made Ground

Made Ground was encountered in all positions to depths of between 0.20m and 0.40mbgl. The composition was a mix of sand, gravel, and clay with varying amount of hardcore, concrete, brick, and concrete fragments.

### 9.4 Taplow Gravel Member

The Taplow Gravel Member was encountered beneath the Made Ground to a maximum depth of 2.10mbgl. The formation initially comprised an orange-brown gravelly clayey SILT with fine to medium sub-angular to rounded flints.

Beneath the silt was a yellowish-brown/orange sandy GRAVEL; sands are fine to coarse, gravels are fine to medium sub-angular to rounded flints.

### 9.5 Roots and Rootlets

No roots or rootlets were identified in the boreholes.

### 9.6 Field Evidence of Contamination

Made Ground was identified between 0.20m and 0.40mbgl and such materials may be imported from an unknown source or mixed with hazardous materials, and as such may contain a wide range of potential contaminants. All such materials should be treated as suspect unless proven otherwise. Preliminary testing has been carried out, as described in section 10.

### 9.7 Groundwater

Groundwater was not encountered during excavation of any of the investigative positions.

Groundwater levels may vary seasonally and with variations in rainfall. Water may also become perched upon cohesive strata or around features such as foundations, and may also occur from leaking drains and water mains etc.

## 10 GEO-ENVIRONMENTAL TESTING

### 10.1 PID Screening

All soil samples were screened for VOC's in headspace, broadly in accordance with the methodology set-out in CIRIA C682. Due to interference from humidity and other factors, Land Science adopts a method detection limit of 1.0ppm to avoid reporting false positive readings. None of the samples exhibited VOC's above the detection limit.

### 10.2 Geochemical Laboratory Analysis

Samples were selected for geochemical analysis, based on the following rationale:

- 4no samples of Made Ground and 1no sample of natural soils (Taplow Gravel Member) were tested for a routine screening suite (LS1), with the Made Ground samples also screened for Asbestos.
- Although no elevated PID readings were recorded, the same five samples as mentioned above were tested for speciated total petroleum hydrocarbons (TPH7) and also a volatiles suite (VOC/SVOC's) to assess the risk to new potable water supplies.

The scope and extent of testing was considered appropriate and in accordance with the Conceptual Site Model and preliminary risk assessment.

A summary of the testing scheduled is given below:

Sample	Strata	Suite			
		LS1	Asbestos	TPH7	Volatiles
DS1 0.20m	Made Ground	✓	✓	✓	✓
DS2 0.20m		✓	✓	✓	✓
DS3 0.20m		✓	✓	✓	✓
DS4 0.20m		✓	✓	✓	✓
DS5 0.60m	Taplow Gravel	✓	-	✓	✓

The relevant screening suites are defined below. Where duplicate analysis exists between suites, each test is performed only once:

Suite	Definition
LS1	Screening suite: pH, fraction of organic carbon, Metals and Non Metals, water soluble Sulphate, Sulphide, total Cyanide, total Phenols, speciated PAH's.
Asbestos	Asbestos screen: Laboratory screening for fibres and Asbestos Containing Materials; identification where identified. Using polarising light and dispersion staining as described in HSG 248, HSE Contract Research Report No 83/1996 and in Davies et al, 1996.
TPH7	Speciated TPH: Total petroleum hydrocarbons CWG banding incl. aliphatic and aromatic split plus BTEX and MTBE.
Volatiles	Volatile Organic Compounds (VOCs)/Semi-Volatile Organic Compounds (SVOCs): Determination of volatile and semi volatile organic compounds in soil by headspace GC-MS.

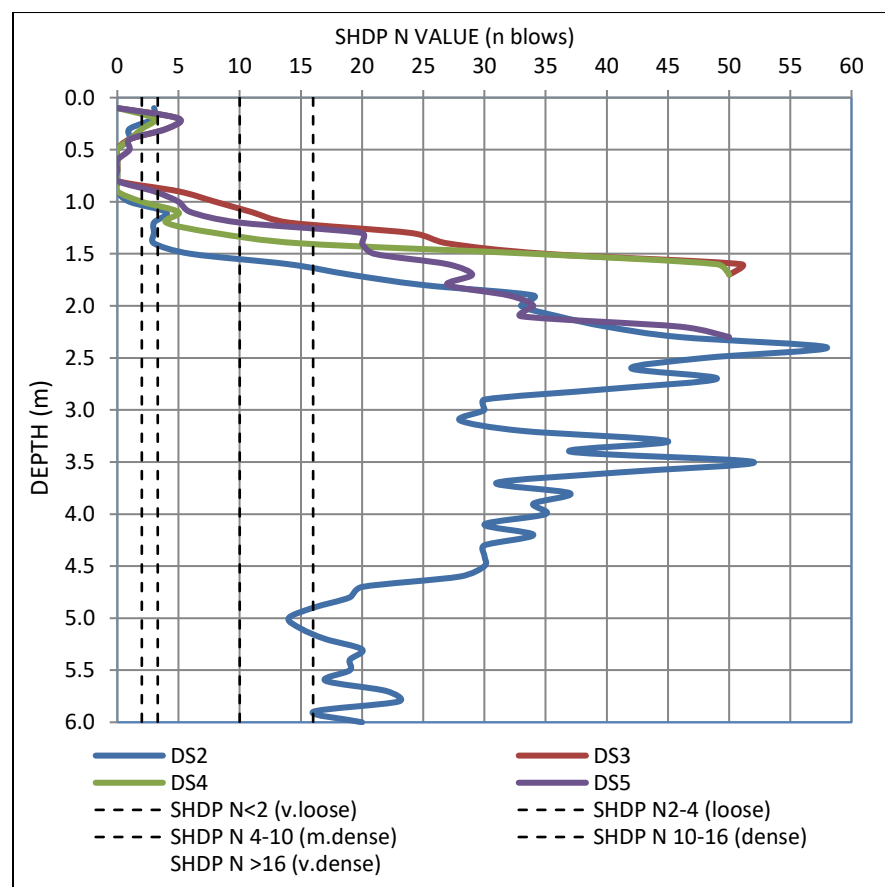
The results of geochemical analysis are discussed in sections 14 to 17.



## 11 GEOTECHNICAL FIELD TESTING

### 11.1 Dynamic probing (SHDP)

A super heavy dynamic probe (SHDP) was undertaken adjacent to all boreholes. The test is used as a measure of the relative density of granular soils (as defined in BS5930:1999). A typical range of results is summarised below.



## 12 GEOTECHNICAL LABORATORY TESTING

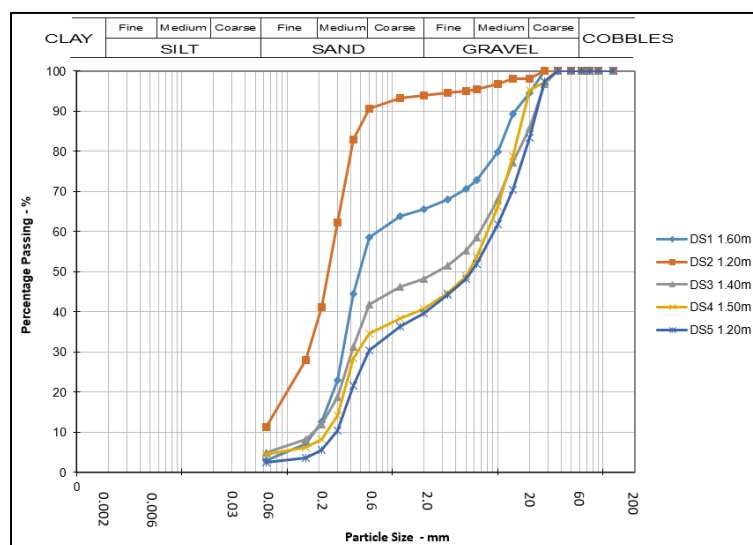
### 12.1 General

Samples of soil were sent for laboratory geotechnical testing; copies of the results are appended, and summaries are given in the following tables. The testing was undertaken in accordance with the relevant British Standards in BS1377 following documented quality procedures.

### 12.2 Particle Size Distribution

Particle Size Distribution analysis was performed on representative samples of more granular materials.

Strata	No. of tests	% Clay/Silt	% Sand	% Gravel
Taplow Gravel Member	5	2.4 to 11.3 Average – 5.3	36.2 to 82.5 Average – 52.3	6.2 to 60.3 Average – 42.4



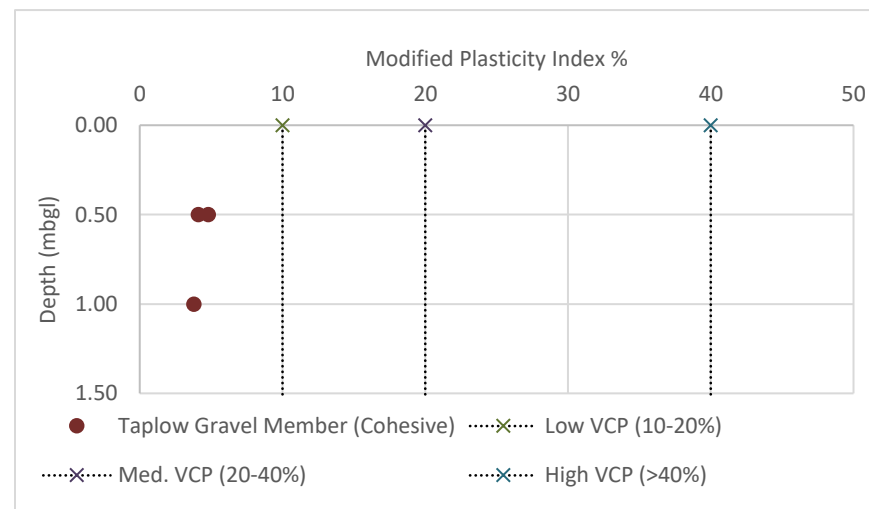
### 12.3 Plasticity Indexes (Atterberg Limits)

Atterberg Limit tests were undertaken on selected samples of cohesive soils from the Taplow Gravel Member, as summarised below.

Strata	No. of tests	Plasticity Index %		
		Minimum	Maximum	Average
Taplow Gravel Member (Cohesive)	3	4.5	8.1	6.7

A modified plasticity index (PI') was calculated following the NHBC methodology, to account for any non-shrinkable percentage not passing the 425µm sieve:

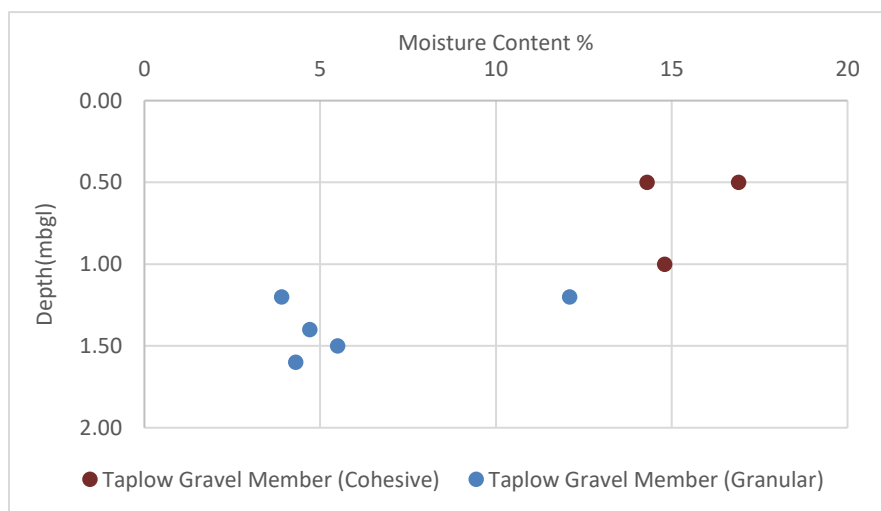
Strata	No. of tests	Modified Plasticity Index %		
		Minimum	Maximum	Average
Taplow Gravel Member (Cohesive)	3	3.8	4.8	4.2



## 12.4 Water Content

Water content determinations (formerly known as *moisture content*) were undertaken in combination with various classification tests, and the results are summarised below.

Strata	No. of tests	Modified Plasticity Index %		
		Minimum	Maximum	Average
Taplow Gravel Member (Cohesive)	3	14.3	16.9	15.3
Taplow Gravel Member (Granular)	5	3.9	12.1	6.1



## 12.5 pH and Sulphate

Geochemical testing for water soluble Sulphate and pH were undertaken, and the results are summarised on the following table.

Strata	No. of tests	Water soluble Sulphate (SO <sub>4</sub> g/l)	pH (value)
Taplow Gravel Member	5	0.0058 to 0.028	7.2 to 8.7

## 13 GEOTECHNICAL ASSESSMENT

The following recommendations have been made with respect to geotechnical design.

### 13.1 General Foundation Design

The proposed development was understood to comprise residential development, although no formal plans had been finalised at this stage.

Based on the ground and groundwater conditions encountered, it is considered that traditional strip foundations would be appropriate for the proposed development.

### 13.2 Volume Change Potential

Soil shrinkability has been assessed following the NHBC Standards Chapter 4.2 (January 2018 edition). It is recommended that the advice of this publication (or similar guidance) is taken when designing and constructing foundations in the zone of influence of trees and hedgerows that currently exist, are to be planted, or have recently been felled.

The average modified plasticity index results for the silts of the Taplow Gravel Member were 4.2%, meaning the stratum is not susceptible to volume change potential.

Strata	% passing 425µm sieve	Modified Plasticity Index	Shrinkability classification
Taplow Gravel Member	<10%	<10%	Not susceptible to significant volume change

### 13.3 Traditional Shallow Foundations

The following recommendations are made where traditional foundations are to be used.

The primary design parameter for shallow foundations is maximum net allowable bearing pressure, which takes into account a tolerable degree of settlement, and is dependent not only on soil conditions but also the foundation dimensions, ground levels, sloping ground, and the symmetry of loading, amongst others.

All traditional shallow foundations should be taken through any Made Ground, soft or loose zones, disturbed soils, major root zones, or desiccated materials and taken wholly into or onto the medium dense to dense sands and gravels of the Taplow Gravel Member circa 1.50mbgl.

A long narrow strip foundation, as described above, symmetrically loaded and up to a width of 1.00m, may be designed based on a maximum allowable net bearing pressure of 200kN/m<sup>2</sup>.

In general terms, settlement will be broadly proportional to loading. Under no circumstances should a safe bearing pressure be exceeded (at which point there is a risk of shear failure).

Foundations should be subject to sensibly uniform loading, to minimise possible differential settlement.

### 13.4 Ground Floor Slabs

Ground bearing floor slabs may be constructed as part of the proposed development, with a maximum net allowable bearing capacity of 15kN/m<sup>2</sup>. The sub-grade should be carefully proof rolled and any soft or loose zones replaced with granular engineering fill well-compacted in thin layers to a suitable specification.

Ground bearing floor slabs may also be considered for other structures such as garages or outbuildings. The formation should be appropriately treated, and the design should allow potential future movements.

### 13.5 Excavations

The risks arising from excavation works should be properly assessed and appropriate safety precautions should be adopted. Reference may be made to various guidance including BS8000-1:1989, BS6031:2009 and CIRIA C97.

The likelihood of excavation instability through different strata has been assessed as summarised below. It should be noted that all open unsupported excavations have the potential to collapse.

Strata	Stability
Made Ground	Generally unstable. May be battered back to a safe angle. Deeper

Strata	Stability
	excavations may require trench support.
Taplow Gravel Member	Marginally stable in the short term. Spalling and collapse should be expected, particularly in long or deep excavations which are left open for prolonged periods.

Excavations which are to remain open for prolonged periods will require trench support.

It is considered that normal-rated plant and machinery will be sufficient for undertaking excavations. Breakers will be required for removing any former foundations, retaining walls etc.

Adjacent excavations should generally be tackled in order of depth with the deepest first. Vehicles and spoil heaps etc. should not surcharge excavations, and edge protection and fencing should be used as appropriate. Frozen materials should generally not be used as backfill.

### 13.6 Pavements

The design of pavements will depend on the performance requirements and specification, as well as the ground conditions and finished levels etc. The suitability of shallow soils encountered as a formation level for pavements is summarised as follows:

Strata	Depth range	Suitability
Made Ground	0.20m to 0.40m	Only suitable for pavements with low performance requirements. A CBR value for these materials will not reflect the possible settlements that may occur. The materials will be frost susceptible so a minimum pavement thickness of 450mm will be required, and the formation will need to be adequately proof-rolled and treated
Taplow Gravel Member (cohesive)	0.65m to 1.40m	These materials are generally a suitable formation level. Based on the Atterberg Limit test results in conjunction with the field observations, the formation will be frost susceptible. A minimum pavement thickness of up to 450mm should be considered.

With reference to Transport Road Research Laboratory Report LR1132 "The Structural Design of Bituminous Roads", a CBR index of 2% is considered appropriate for silts of the

Taplow Gravel Member, assuming average construction conditions and a deep groundwater table.

The formation level should be carefully inspected, and any soft or loose zones should be removed and replaced with engineering fill, well-compacted in layers to a suitable specification. Consideration might be given to installing geotextiles. Cohesive formations will degrade rapidly if exposed to standing water for even short periods. All engineering fill should be granular and non-frost susceptible (i.e. <10% fine material passing 425µm)

### 13.7 Building Materials

Based on BS8500-1:2015+A1:2016, the results of the Sulphate and pH analyses fell into Class DS-1 and an ACEC class AC-1 is deemed appropriate. The advice of this publication should be taken for the design and specification of all sub surface concrete.

### 13.8 Surface Water Drainage

Based on published data, soil infiltration rates in the order of  $1.0 \times 10^{-4}$  m/s may be realised within the Taplow Gravel Member.

This should be confirmed by means of full scale BRE365 trial pit soakage tests.

## 14 HUMAN HEALTH SCREENING

### 14.1 Screening Values

Several different partly overlapping schemes are currently in use in the UK, based on the Environment Agency's CLEA Model but with differing toxicological parameters. For the purpose of this report these schemes have and have been applied in the following hierarchy:

- Suitable For Use levels (S4UL) recently published by LQM in association with the CIEH.
- Category 4 Screening Levels (C4SL) recently published by the DEFRA and CL:AIRE.

The soil chemical analysis results have been compared against respective screening values for residential land uses with plant uptake. Where proposed developments plans will solely include either communal soft landscaping areas, this will need to be revised.

Whilst other standards exist, such as the LQM Generic Assessment Criterion and the Environment Agency's Soil Guideline Values, these are considered to have been superseded by the above publications.

For contaminants where the respective screening value is dependent on Soil Organic Matter (SOM), the corresponding value for 2.50% was used (the arithmetic mean SOM value for the soil was 3.45%).

Where no standard exists, the contaminant is either not considered a priority in terms of human health (at least in the scenario being considered), or no screening value has been published.

### 14.2 Screening results

In accordance with CL:AIRE *Guidance on Comparing Soil Contamination Data with a Critical Concentration*, the use of statistical tools was not considered appropriate in this instance. The results of the chemical analysis have therefore been compared directly against the respective standards.

None of the results exceeded the screening criteria, with the exception of the following:

Determinand	Screening value	Results exceeding the screening value
Naphthalene	5.6mg/kg	DS1 0.20m (6.1mg/kg)
Phenanthrene	220mg/kg	DS1 0.20m (220mg/kg)
Fluoranthene	400mg/kg	DS1 0.20m (400mg/kg)
Benzo(a)anthracene	11mg/kg	DS1 0.20m (180mg/kg), DS2 0.20m (22mg/kg), DS3 0.20m (130mg/kg), DS4 0.20m (50mg/kg)
Chrysene	22mg/kg	DS1 0.20m (130mg/kg), DS3 0.20m (81mg/kg), DS4 (40mg/kg)
Benzo(b)fluoranthene	3.3mg/kg	DS1 0.20m (170mg/kg), DS2 0.20m (19mg/kg), DS3 0.20m (110mg/kg), DS4 0.20m (52mg/kg)
Benzo(a)pyrene	2.7mg/kg	DS1 0.20m (150mg/kg), DS2 0.20m (19mg/kg), DS3 0.20m (91mg/kg), DS4 0.20m (49mg/kg)
Indeno(1,2,3-cd)pyrene	36mg/kg	DS1 0.20m (64mg/kg), DS3 0.20m (40mg/kg)
Di-benzo(a,h)anthracene	0.28mg/kg	DS1 0.20m (21mg/kg), DS2 0.20m (2.1mg/kg), DS3 0.20m (12mg/kg), DS4 0.20m (5.2mg/kg)

In addition, a number of SVOC's were noted above their respective detection limit as summarised below; it should be noted that no screening values are published for these SVOC's.

Determinand	Detection Limit	Results exceeding the screening value
2-Methylnaphthalene	0.1mg/kg	DS1 0.20m (14mg/kg), DS3 (8.9mg/kg)
Anthraquinone	0.3mg/kg	DS1 0.20m (13mg/kg), DS2 0.20m (2.4mg/kg), DS3 0.20m (16mg/kg), DS4 0.20m (5.2mg/kg)
Carbazole	0.3mg/kg	DS1 0.20m (11mg/kg), DS2 0.20m (1.1mg/kg), DS3 0.20m (17mg/kg), DS4 0.20m (3.9mg/kg)
Dibenzofuran	0.2mg/kg	DS1 0.20m (16mg/kg), DS2 0.20m (0.4mg/kg), DS3 0.20m (13mg/kg), DS4 0.20m (1.2mg/kg)

### 14.3 PAH's

With respect to Polycyclic Aromatic Hydrocarbons (PAH's) and for this assessment Land Science have adopted the surrogate marker approach described in Appendix E or the C4SL suite of documents i.e./ using benzo(a)pyrene as a representative compound for all

genotoxic PAH's that may be present in soils at this site. Although this approach could be used as benzo(a)pyrene was detected in all samples tested, the elevated levels were such that the risk from PAH's could not be mitigated.

In addition, the samples exceeding their respective screening criteria for PAH's were also analysed using the double ratio PAH tool for further analysis on likely sources. The ratios were essentially very similar and fell within the ranges set for combustion of grass/wood or coal. None of them indicated a potential source from petroleum products or Creosote.

#### 14.4 Speciated TPH

The risks from TPH's are assessed differently from other contaminants. The ratio of an individual group of carbon bands to the respective GAC is calculated (a Hazard Quotient) and these are totalled to derive a sample specific Hazard Index. A Hazard Index exceeding 1.0 suggests a potential significant risk to human health in the exposure scenario considered. The calculated Hazard Indexes are summarised below.

Sample	Total TPH	Hazard Index	Notes
DS1 0.20m	1390mg/kg	1.94	Potential significant risk
DS3 0.20m	1089mg/kg	1.51	
DS4 0.20m	1620mg/kg	2.03	
DS2 0.20m	404mg/kg	0.56	No significant risk
DS5 0.60m	<10mg/kg	0.05	

In addition, samples DS1 0.20m and DS4 0.20m also exceeded the screening criteria (540mg/kg) for Aromatic EC >16-21 with respect to residential land use with plant uptake. The two samples from DS1 and DS4 noted at 640mg/kg and 700mg/kg respectively.

#### 14.5 Asbestos

A total of four samples of Made Ground were screened for the presence of Asbestos, and a summary of the results is presented below.

Soil	Sample	Asbestos present	Type	Quantification
Made Ground	DS1 0.20m	None detected	-	-
Made Ground	DS2 0.20m			

Soil	Sample	Asbestos present	Type	Quantification
	DS3 0.20m	Detected	Chrysotile (loose fibres)	<0.001%
	DS4 0.20m			0.004%



## 15 BUILT ENVIRONMENT SCREENING

### 15.1 Soft Landscaping

A number of documents include guidance on screening levels of phytotoxic contaminants within soils, including:

- BS3882:2015 “Specification for topsoil and requirements for use” (although stipulated as not to be used in contaminated land risk assessment).
- ICRL in publication 70/90 1990 'Notes on the Restoration and Aftercare of Metalliferous Mining Sites for Pasture and Grazing' (although indirectly withdrawn) (where marked \*).

The results of the chemical analysis for determinands known to pose a potential phytotoxic risk to plant growth are summarised on the following table, together with the respective adopted screening values for plant growth. The results of the chemical analysis were evaluated singularly without the use of statistical tools.

Determinand	Phytotoxicity Value (mg/kg)			Results in excess of screening value
	pH <6.0	pH 6.0-7.0	pH >7.0	
Zinc	<200	<200	<300	No exceedances
Copper	<100	<135	<200	
Nickel	<60	<75	<110	
Cadmium *	50			
Arsenic *	1,000			

### 15.2 Structural Concrete

Recommendations with respect to Sulphate and buried concrete are made in section 4.6. It is noted that no onerous precautions in this respect are warranted.

### 15.3 Potable Water Supplies

The risk of chemical attack on water supply pipework has been assessed following the general Principles set out in the joint Water UK/HBF *Contaminated Land Assessment Guidance* dated January 2014. A summary of the main chemical criteria is reproduced below.

Test group (in mg/kg)	Polyethylene (PE)	Polyvinyl Chloride (PVC)	Metal or Aluminium Barrier
VOC's	0.5	0.125	Pass
VOC's + BTEX & MTBE	0.1	0.03	Pass
SVOC's (excl. PAH's etc.)	2.0	1.4	Pass
SVOC's + Phenols	2.0	0.4	Pass
SVOC's + Cresols & Chlorinated Phenols	2.0	0.04	Pass
Mineral oil EC11-20	10	Pass	Pass
Mineral oil EC21-40	500	Pass	Pass

## 16 CONTAMINATION RISK ASSESSMENT

### 16.1 End Users

The results of the chemical analysis indicated elevated PAH's and TPH's within the shallow Made Ground; low levels of asbestos were also identified within DS3 and DS4. Tests carried out on the underlying shallow natural soils from DS5 0.60m, did not find any elevated levels of these contaminants.

It is recommended that all Made Ground is stripped from site to remove any potential sources of contaminants. This should include all garden areas; post removal verification after the excavations should be carried out.

### 16.2 Adjacent Land Users

Surrounding land uses were identified to comprise residential dwellings, analogous with the proposed development on site. With reference to section 16.1, possible risk was identified to human health from Made Ground. However, it is these soils would be removed as part of the development and significantly reduce any potential risk to surrounding land uses.

Good site management in the form of dust suppression etc should be used to mitigate any potential pathways during the groundwork / construction phase.

### 16.3 Soft Landscaping

Based on the assessment in section 15.1, it was noted that no elevated heavy metals were above the screening values for soft landscaping.

This aside, the Made Ground was generally not considered physically suitable for soft landscaping purposes.

Verifiably suitable topsoil or sub-soil is likely to be necessary in order to facilitate and sustain plant growth in soft landscaped areas. The materials should meet the chemical standards set out in 14.1 and BS3882.

### 16.4 Potable Water Supplies

The recorded concentrations of TPH's and SVOC's within the Made Ground exceeded the respective standard for PE and PVC pipework. In accordance with these guidelines, Metal or Aluminium Barrier pipework may be suitable. The specification should be agreed with the local Water Utility. Alternatively, if pipe routes are through virgin ground, PE or PVC pipework may be appropriate.

Ethers, nitrobenzene, ketones, aldehydes and amines were not suspected. Redox potential and Conductivity should be checked where metal pipework is to be installed. Aluminium barrier pipework is acceptable under all conditions. No pipework should be laid where there is evidence of free product.

### 16.5 Groundwater

Groundwater was not struck during the drilling of any of the boreholes. Sources of hydrocarbon contamination were identified within the Made Ground; given the shallow depth of this material it can be removed as part of the development. The underlying natural soils should be inspected during the development and any suspect material encountered sampled and tested.

This approach should remove any potential contaminants in the Made Ground leaching into the groundwater table.

### 16.6 Conclusions

Based on a preliminary remediation options appraisal, it was considered that the risks would most cost effectively mitigated by the removal of Made Ground and importing clean topsoil/subsoil for proposed soft landscaped areas.

No investigation was possible beneath the existing garages; it is unlikely to be significantly difference but the possibility of contamination beneath these structures was currently unknown. All soils should be inspected following the demolition and removal of the existing garages to confirm the presence of any visual contamination associated with these structures. An allowance should be made for dealing with any localised ones of significant / gross contamination encountered.

The works should be monitored and validated by a suitably qualified environmental consultant.

A copy of this report should be submitted to the relevant authorities for approval in sufficient time prior to commencement on site.

A suitably qualified Environmental Consultant should prepare a full *Implementation, Verification Monitoring and Maintenance Plan*. An appropriate level of supervision and testing will be required, to form part of a formal *Verification Report*.

## 17 PRELIMINARY WASTE ASSESSMENT

### 17.1 General

Waste may be defined as any substance or object in Annex 1 of the Waste Framework Directive which the holder discards, intends to discard, or is required to discard. Subject to certain provisions, soils may either be handled as either:

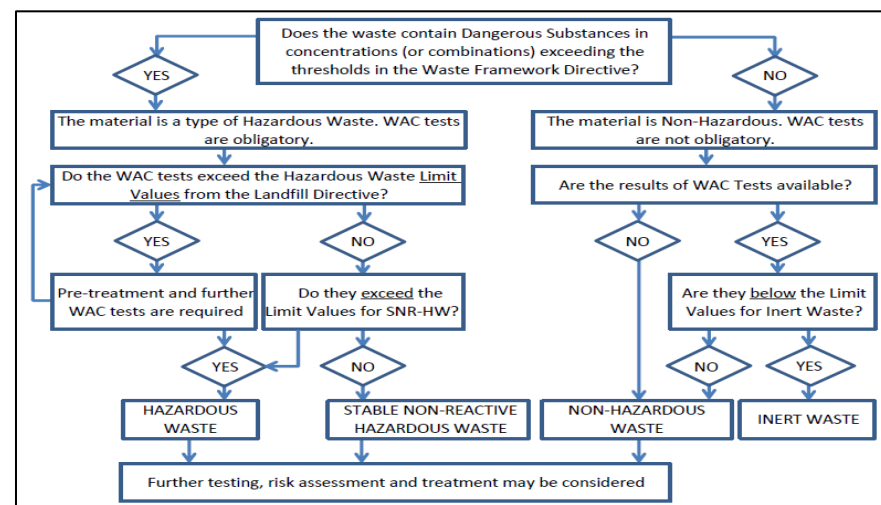
- Non-Waste, and re-used (on or off-site), or
- Waste, and disposed of (to a waste management facility).

Given the confines of the site, it was anticipated that all materials would be disposed of from site as waste.

The waste producer has a legal duty of care to ensure that waste materials are handled properly and sent to the appropriate licenced facility. Further inspection, testing, segregation etc will be required on site, and the advice of a suitably qualified consultant sought wherever necessary. Substantial tax penalties and fines are being levied by the regulators. The advice contained in this section is preliminary only.

### 17.2 Waste Disposal

Where materials are not re-used they must be handled as Waste, and must be sent to a licenced waste management facility. The classification of waste is prescribed under the Waste Framework Directive and the Landfill Directive, as summarised below. Different waste management facilities may also have specific acceptance criteria, and their advice should be sought.



The results of the soil analysis have been classified as follows:

Soil	Hazardous		Non Hazardous		Details
	Hazardous	Stable Non-Reactive	Non-Hazardous	Inert	
<u>Made Ground</u> DS1 0.20m DS3 0.20m DS4 0.20m	✓				Classified as hazardous waste by means of HP7: Carcinogenic, HP11: Mutagenic, and HP3(i): Flammable. No WAC test undertaken.
<u>Made Ground</u> DS2 0.20m			✓		Classified as Non-Hazardous. No WAC test undertaken.
<u>Taplow Gravel Member</u> DS5 0.60m			✓		Classified as Non-Hazardous. No WAC test undertaken.

Asbestos was identified in DS3 and DS4 samples as free fibres in the range of up to 0.004%. The threshold of free fibres in Hazardous Waste is 0.1% and therefore the samples could have been classified non-hazardous. However, due to the presence of hydrocarbons, DS3 and DS3 have been classified as hazardous.

Further WAC testing may be considered for soils identified as Non-Hazardous, as the tests may enable those materials to be re-classified as Inert and therefore represent a potential saving on disposal costs.

With reference to the current List of Wastes (formerly European Waste Catalogue), waste soils and stone derived from construction and demolition sites may be disposed of under either of the following codes as appropriate:

Waste	Code	Description
Hazardous	17 05 03*	soil and stones containing dangerous substances
Non-Hazardous	17 05 04	soil and stones other than those mentioned in 17 05 03

(Note, the asterix is a Mirror Entry, as defined in the List of Wastes, conferring the relationship with the non-hazardous code 17-05-04).

## 18 SUMMARY AND CONCLUSIONS

*This summary is a brief precis of the main findings and conclusions of the investigation. For detailed information, the reader is referred to the main report.*

### 18.1 General

The intrusive investigation included 5no dynamic sampler boreholes, 4no super heavy dynamic probes and laboratory testing. The site comprised a roughly rectangular shaped parcel of land containing a garage block and central concrete yard.

### 18.2 Soils Encountered

A summary of the encountered conditions is presented in the following table:

Strata	Depth m	Summary
Hardstanding	0.03 – 0.10	Asphalt.
Made Ground	0.20 – 0.40	Mix of sand, gravel, and clay with varying amount of hardcore, concrete, brick, and concrete fragments.
Taplow Gravel Member	2.10m+	Initially comprised an orange-brown gravelly clayey SILT. Becoming, a yellowish-brown/orange sandy GRAVEL.

### 18.3 Groundwater

No groundwater encountered within 2.10m depth

### 18.4 Foundations

Traditional foundations are recommended and design parameters are given. The Taplow Gravel is not susceptible to volume change potential.

### 18.5 Excavations

The Taplow Gravel is considered to be marginally stable in the short term. Risk assessments should be prepared and appropriate safety measures provided.

### 18.6 Pavements

CBR value of 2% recommended for the silts of the Taplow Gravel Member, which is classified as being frost susceptible.

### 18.7 Building Materials

DS-1 and AC-1 in accordance with BS8500. Water supply pipe work will may require protection from aggressive soil contaminants if situated within Made Ground.

### 18.8 Radon Protection

No issues to Radon gas have been identified.

### 18.9 Soil Contamination

The results of the chemical analysis indicated elevated PAH's TPH's and low levels of asbestos within the Made Ground. The Made Ground should be stripped from site to remove any potential sources of contamination to End Users; verification should be carried out after the site strip.

### 18.10 Waste Disposal

The chemical results confirmed that the Made Ground was generally classified as hazardous with the underlying natural soils and Non-Hazardous. WAC testing may be considered.

### 18.11 Further Action

It is recommended that the site is inspected post Made Ground strip to inspect underlying soils for signs of contamination, especially beneath the existing garages and near to drainage systems. This report should be submitted to relevant regulatory bodies and warranty providers in good time for approval.

**19 GLOSSARY OF TERMS**

ACM	Asbestos Containing Material	PQRA	Preliminary Quantitative Risk Assessment
BGS	British Geological Survey	PSD	Particle Size Distribution Test
BRE	Building Research Establishment	RMS	Remediation Method Statement
BS	British Standard	SGV	Soil Guideline Value
CBR	California Bearing Ratio	SOM	Soil Organic Matter
CDM	Construction Design and Management regulations	SPZ	Source Protection Zone
CIRIA	Construction Industry Research and Information Association	SPT	Standard Penetration Test
CL:AIRE	Contaminated Land: Applications in Real Environments	SSSI	Sites of Special Scientific Interest
CLEA	Contaminated Land Exposure Assessment model	ST-WEL	Short Term Workplace Exposure Limit
CoC	Chemical of Concern	SVOC's	Semi-Volatile Organic Compounds
CSM	Conceptual Site Model	TPH	Total Petroleum Hydrocarbons
EA	Environment Agency	TRRL	Transport Road Research Laboratory
EQS	Environmental Quality Standards	TWA-WEL	Time Weighted Average Workplace Exposure Limit
FOC	Fraction of Organic Carbon	UK HBF	United Kingdom House Building Federation
GAC	Generic Assessment Criterion	VOC's	Volatile Organic Compounds
mbgl	Meters Below Ground Level	WAC	Waste Acceptance Criteria
NHBC	National House Building Council		
mod	Metres above Ordnance Datum		
PAH's	Polycyclic Aromatic Hydrocarbons		
PCoC	Potential Contaminant of Concern		
PBET	Physiological Based Extraction Testing		
PHE	Public Health England		
PID	Photo-Ionisation Detector		



## ACCOMPANYING NOTES – SOIL CONTAMINATION

### LS1 routine screening suite

The LS1 suite is based broadly upon determinands listed within the former ICRL guidance note 59/83 2nd edition 1987, CLR publication CLR8, and Environment Agency R&D66 publication. Stone and moisture content, fraction of organic carbon ('foc'), and pH value, are also undertaken. Total Sulphate is not a priority in terms of human health, so water soluble Sulphate is analysed instead to assess the risks to buried concrete.

### Site Workers

Site managers are responsible for the safety of persons in their employ under a variety of instruments including the CDM regulations and Health & Safety at Work Act. In terms of working on contaminated sites, guidance can be sought from the CIRIA publication entitled "A Guide for Safe Working on Contaminated Sites". Any work in confined spaces should only be carried out following appropriate risk assessment. Detailed risk assessment for workers is outside the scope of this report.

### Discovery Strategy

Unexpected soil conditions may be encountered during the process of site demolition and construction. Examples may include oily pockets within the soil, pockets of cement boarding or fibrous materials within the soil, black ashy materials, soils exhibiting strong odours, brightly coloured materials, and former structures or brickwork.

Should previously undiscovered contamination be encountered during construction by the ground worker's, this should be reported to the Geo-Environmental Consultant immediately in order that any necessary inspection may be made. All site workers should be made aware of their responsibility to observe, report, and act on any potentially suspicious or contaminated materials they may encounter.

### General

Contamination may be identified as the occurrence of a substance in or on the ground which has a potential to cause significant harm (humans, ecological systems, or property) or pollution of a controlled water.

### Sources – Pathways – Receptors

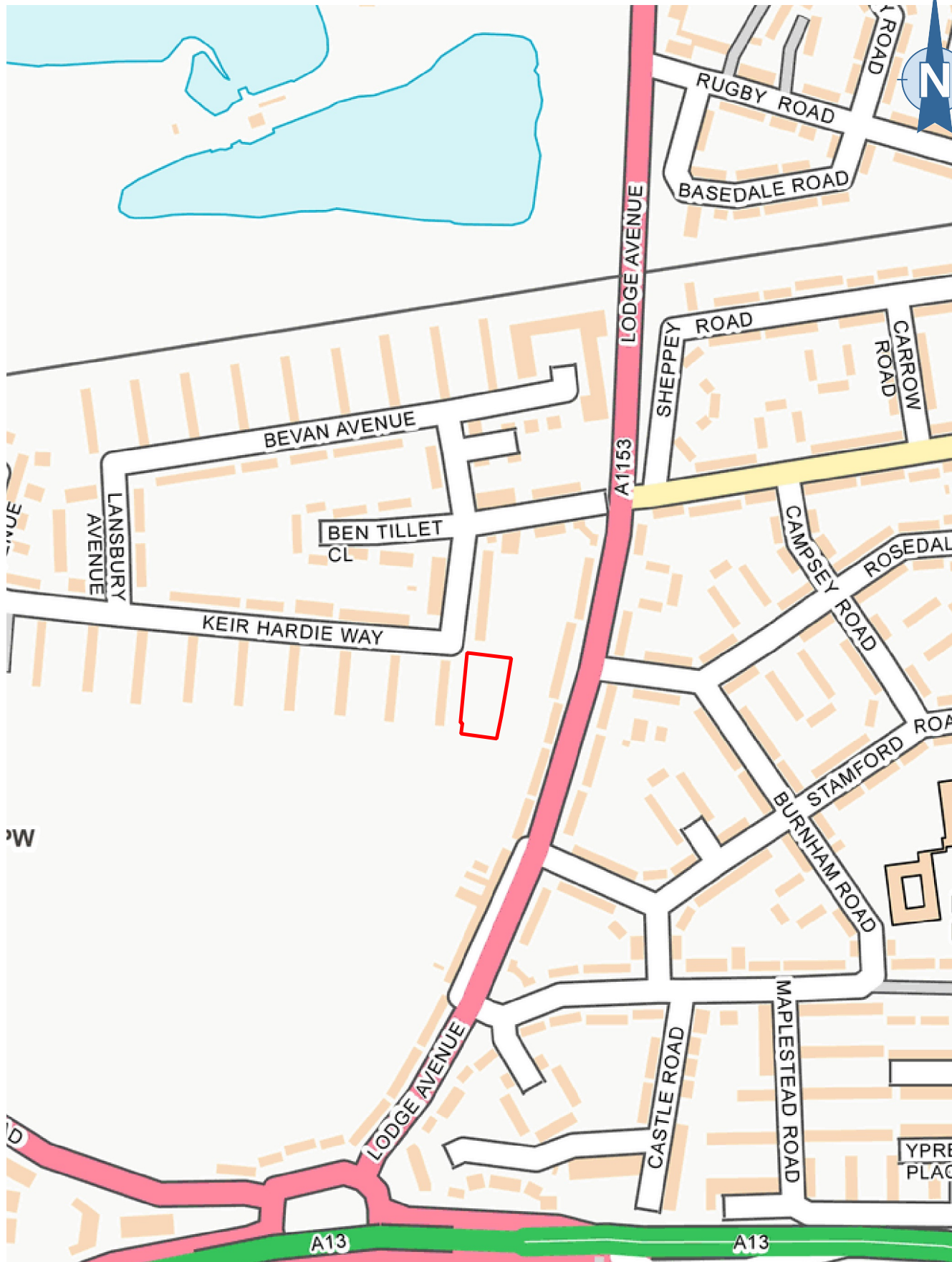
Primary Source – the point at which contamination starts to occur e.g. a leaking tank

Secondary source – the media affected by contamination, including soil, groundwater and ground gases, as summarised below

Receptor – Persons, living organisms, ecological systems, controlled water, atmosphere, structures and property, and utilities.

Secondary source	Summary
Soil	Contaminants bound into or entrained with the soil matrix, for instance ashes, clinkers, bituminous materials, asbestos containing materials, etc. Also, soils may become contaminated by other activities, such as leaking chemical storage, drainage and the like, becoming bound into the soil mineralogy or organic matter. Soils may also generate soil-borne dusts and volatile organic compounds may generate organic vapours.
Volatile vapours	Many organic compounds are either volatile or semi volatile (at different temperatures and pressures) which mean they will volatilise and generate vapours. In an enclosed system, the ratio of vapours to other compartments will come into equilibrium, but in open systems the process may continue until the source has been depleted.
Ground gases	Organic matter, including wastes, hydrocarbons and other compounds, will decay through microbial action. This will primarily release Carbon Dioxide but may also release Methane under anaerobic conditions. This may be an issue in natural soils (e.g. alluvium and dock silt) in man-made soils (e.g. landfill sites and filled ground) and other environments (e.g. mine workings).
Groundwater	Contaminants may dissolve into pore water which in turn can percolate downwards into the groundwater table. Rapid discharge of fluids may also enter groundwater directly. Organic compounds may form separate light or dense non-aqueous phase liquids upon or at the base of the water column. Organic contaminants may generate organic vapours.

## FIGURES



Title: Site Location			Reference: LS4862
Project: Kier Hardie Way, IG11 9NU			Figure: 1
Client: BeFirst Ltd			Date: 22/09/2020
Prepared by: MM	Checked by: AC	Version: 01	Sheet: 1 of 1





Title: Investigation Layout

Reference: LS4862

Project: Kier Hardie Way, IG11 9NU

Figure: 2

Client: BeFirst Ltd

Date: 22/09/2020

Prepared by: MM

Checked by: AC

Version: 01

Sheet: 1 of 1

## **APPENDIX A**



DS1.



DS2.



DS3.




DS4.



DS5.



	TITLE:	Site Photos	REF:	LS4862	PREPARED:	MM
	PROJECT:	Keir Hardie Way, Dagenham, IG11 9NU	FIGURE:	v1	CHECKED:	AC
	CLIENT:	Be First Ltd	DATE:	02/10/2020	VERSION	V1



1.



2.



3.



4.



TITLE: Site Photographs			REF: LS4862
PROJECT: Keir Hardie Way, Dagenham, IG11 9NU			FIGURE 1
CLIENT: Be First Ltd			DATE: 02/10/2020
PREP: MM	CHECK: AC	VERSION V1	SHEET: 1 OF 1



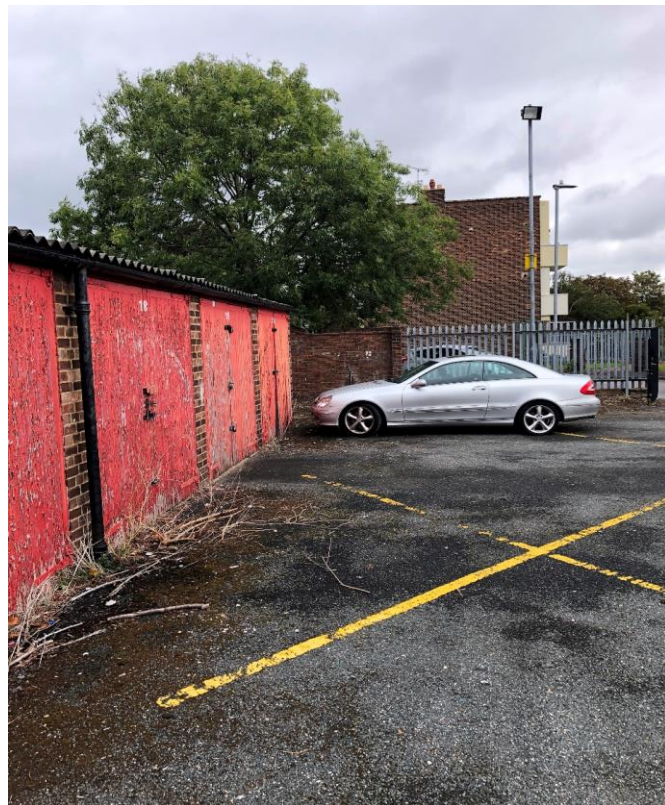
5.



6.



7.



8.



TITLE: Site Photographs			REF: LS4862
PROJECT: Keir Hardie Way, Dagenham, IG11 9NU			FIGURE 1
CLIENT: Be First Ltd			DATE: 02/10/2020
PREP: MM	CHECK: AC	VERSION V1	SHEET: 1 OF 1



9.



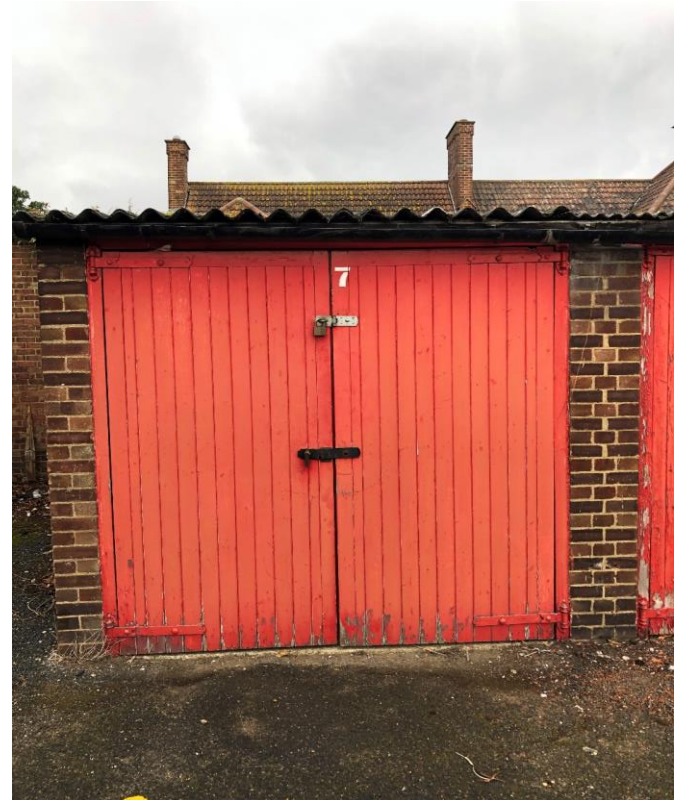
10.



11.



12.



TITLE: Site Photographs			REF: LS4862
PROJECT: Keir Hardie Way, Dagenham, IG11 9NU			FIGURE 1
CLIENT: Be First Ltd			DATE: 02/10/2020
PREP: MM	CHECK: AC	VERSION V1	SHEET: 1 OF 1

## **APPENDIX B**

**Machine** : Archway Dart

**Method** : Drive-in Windowless  
Sampler

**Dimensions**
**Ground Level (mOD)**
**Client**






BeFirst (Regeneration) Ltd

**Job**  
**Number**  
LS4862

**Location**
**Dates**

23/09/2020

**Engineer**
**Sheet**  
1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.20	ES5		PID = 0.0		0.03 (0.27)	Asphalt (HARDSTANDING) Black slightly clayey, slightly sandy GRAVEL. Sand is coarse. Gravels are medium, angular hardcore, with frequent concrete and brick fragments. (MADE GROUND)		
0.50	D6		PID = 0.2		0.30 (0.35)	Dark brown slightly gravelly, clayey SILT. gravels are medium to coarse, subangular to subrounded flints. (TAPLOW GRAVEL MEMBER)		
0.80	D7		PID = 0.2		0.65	Yellowish brown gravelly SAND. Sand is fine to medium. Gravels are medium subrounded flints. (TAPLOW GRAVEL MEMBER)		
1.00	D8		PID = 0.2		(0.85)	... becoming slightly clayey at 1.30m bgl		
1.60	D9		PID = 0.1		1.50 (0.60)	Yellow slightly gravelly SAND. Sand is fine. Gravels are fine subangular flints. (TAPLOW GRAVEL MEMBER)		
					2.10	Refusal at 2.10m		

**Remarks**

GROUNDWATER: None encountered  
CASING: No casing used  
INSTALLATION: No installation  
BACKFILL: Backfilled with arisings.  
SLOW PROGRESS: None  
NOTES: Hand excavated inspection pit to 1.20mbgl. Borehole terminated at 2.10m bgl, due to dense strata.

**Scale**  
**(approx)**

1:25


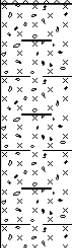
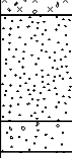

**Logged**  
**By**

MM

**Figure No.**







LS4862.DS1

<b>Machine</b> : Archway Dart <b>Method</b> : Drive-in Windowless Sampler	<b>Dimensions</b>	<b>Ground Level (mOD)</b>	<b>Client</b> BeFirst (Regeneration) Ltd	<b>Job Number</b> LS4862
	<b>Location</b>	<b>Dates</b> 23/09/2020	<b>Engineer</b>	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.20	ES1		PID = 0.1		0.03 (0.27)	Asphalt (HARDSTANDING) Dark grey very silty CLAY, with occasional clinker and concrete fragments. (MADE GROUND)		
0.50	D2		PID = 0.2		0.30 (0.85)	Orangish brown slightly gravelly, very clayey SILT. Gravels are fine to medium, subangular flints. (TAPLOW GRAVEL MEMBER)		
1.20	D3		PID = 0.2		1.15 (0.35)	Yellowish orange medium SAND. (TAPLOW GRAVEL MEMBER)		
1.55	D4		PID = 0.2		1.50 (0.10) 1.60	Orange very sandy GRAVEL. Sand is medium. Gravels are medium, subangular flint. (TAPLOW GRAVEL MEMBER)		
						Refusal at 2.10m		

<b>Remarks</b> GROUNDWATER: None encountered CASING: No casing used INSTALLATION: No installation BACKFILL: Backfilled with arisings. SLOW PROGRESS: None NOTES: Hand excavated inspection pit to 1.20mbgl. Borehole terminated at 1.60m bgl due to dense strata.	<b>Scale (approx)</b> 1:25	<b>Logged By</b> MM
	<b>Figure No.</b> LS4862.DS1	

<b>Machine :</b> Archway Dart <b>Method :</b> Drive-in Windowless Sampler	<b>Dimensions</b>	<b>Ground Level (mOD)</b>	<b>Client</b> BeFirst (Regeneration) Ltd	<b>Job Number</b> LS4862
	<b>Location</b>	<b>Dates</b> 23/09/2020	<b>Engineer</b>	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.20	ES10		PID = 0.1		(0.10) 0.10	Asphalt (HARDSTANDING)		
					(0.30)	Black coarse SAND, with frequent clinker, concrete and hardcore fragments. (MADE GROUND)		
0.50 0.50	B12 D11		PID = 0.3		0.40	Dark brown gravelly, very clayey SILT. Gravels are medium, subrounded to rounded flints. (TAPLOW GRAVEL MEMBER)		
					(0.60)			
1.10	D13		PID = 0.5		1.00	Orange and yellow slightly clayey, gravelly SAND. Sand is medium to coarse. Gravels are fine to medium, subangular flints. (TAPLOW GRAVEL MEMBER)		
1.40	D14		PID = 0.4		(0.50)			
					1.50	Refusal at 1.50m		

## Remarks

REMARKS:  
GROUNDWATER: None encountered  
CASING: No casing used  
INSTALLATION: No installation  
BACKFILL: Backfilled with arisings.  
SLOW PROGRESS: None  
NOTES: Hand excavated inspection pit to 1.20mbgl. Borehole terminated at 1.50m bgl, due to dense strata.

Scale (approx)

1.25

Logged  
By

MM

Figure No.

LS4862.DS3



**Machine :** Archway Dart

**Method :** Drive-in Windowless Sampler

**Dimensions**
**Ground Level (mOD)**
**Client**






BeFirst (Regeneration) Ltd

**Job**  
**Number**  
LS4862

**Location**
**Dates**

23/09/2020

**Engineer**
**Sheet**  
1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.20	ES15		PID = 0.0		(0.30)	Greyish black slightly sandy GRAVEL. Sand is fine to medium. Gravels are coarse, angular hardscore, with occasional brick fragments. (MADE GROUND)		
0.50	D16		PID = 0.0		0.30	Orangish brown, mottled black, slightly gravelly, very clayey SILT. Gravels are medium, subangular to subrounded flints. (TAPLOW GRAVEL MEMBER)		
1.00	D17		PID = 0.2		(1.10)			
1.50	D18		PID = 0.3		1.40	Yellowish brown very sandy GRAVEL. Sand is medium to coarse. Gravels are medium subangular to subrounded flints. (TAPLOW GRAVEL MEMBER)		
					(0.20)			
					1.60	Refusal at 1.60m		

**Remarks**

GROUNDWATER: None encountered  
CASING: No casing used  
INSTALLATION: No installation  
BACKFILL: Backfilled with arisings.  
SLOW PROGRESS: None  
NOTES: Hand excavated inspection pit to 1.20mbgl. Borehole terminated at 60m bgl, due to dense strata.

**Scale (approx)**

1:25

**Logged By**





MM

**Figure No.**

LS4862.DS4

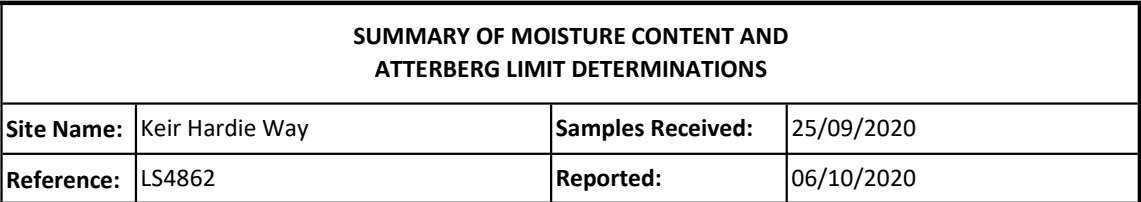


<b>Machine</b> : Archway Dart  <b>Method</b> : Drive-in Windowless Sampler	<b>Dimensions</b>	<b>Ground Level (mOD)</b>	<b>Client</b> BeFirst (Regeneration) Ltd	<b>Job Number</b> LS4862
	<b>Location</b>	<b>Dates</b> 23/09/2020	<b>Engineer</b>	<b>Sheet</b> 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
0.15	ES19		PID = 0.0		0.04 (0.16) 0.20	Asphalt. (HARDSTANDING) Black medium to coarse SAND, with fequent concrete, brick and hardcore fragments. (MADE GROUND)		
0.60	D20		PID = 0.0		(0.60)	Orangish brown slightly gravelly clayey SILT. Gravels are medium, rounded flints. (TAPLOW GRAVEL MEMBER)		
0.90	D21		PID = 0.0		0.80 (0.50)	Orangish brown slightly clayey, very sandy GRAVEL. Sand is medium to coarse. Gravels are medium to coarse, subangular to subrounded flints. (TAPLOW GRAVEL MEMBER)		
1.20	D22		PID = 0.0		1.30	Refusal at 1.30m		

<b>Remarks</b> GROUNDWATER: None encountered CASING: No casing used INSTALLATION: No installation BACKFILL: Backfilled with arisings. SLOW PROGRESS: None NOTES: Hand excavated inspection pit to 1.20mbgl. Borehole terminated at 1.30m bgl, due to dense strata.							<b>Scale (approx)</b>	<b>Logged By</b>
							1:25	MM
							<b>Figure No.</b> LS4862.DS5	

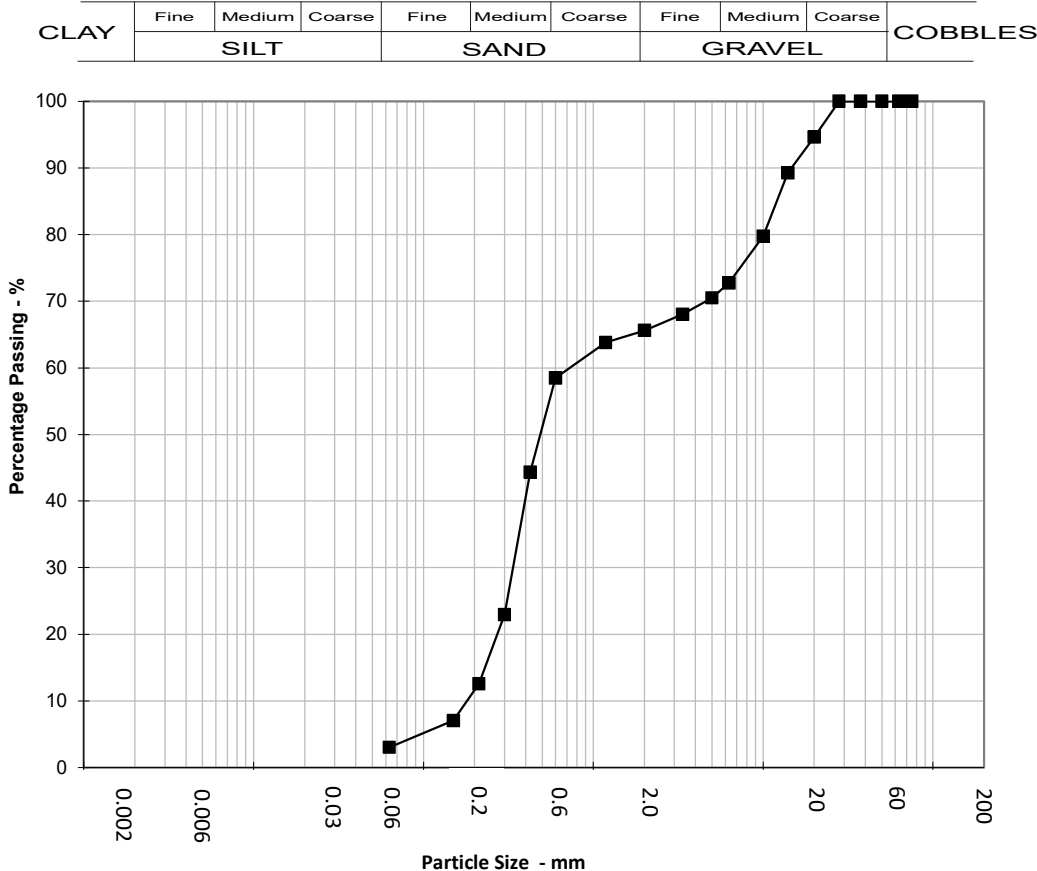
## **APPENDIX C**

[illegible]

# SUMMARY OF PARTICLE SIZE DISTRIBUTION

## ANALYSIS

Site Name:	Keir Hardie Way	Samples Received:	25/09/2020
Reference:	LS4862	Reported:	06/10/2020

Sample Data		Sample Description	
Position	DS1	Light brown very gravelly SAND	
Sample Ref	-		
Depth	1.60		
Sieve Analysis			
mm	%		
125			
90			
75	100.0		
63	100.0		
50	100.0		
37.5	100.0		
28	100.0		
20	94.6		
14	89.3		
10	79.7		
6.3	72.7		
5.0	70.5		
3.35	68.0		
2.0	65.6		
1.18	63.8		
0.60	58.5		
0.425	44.4		
0.30	23.0		
0.212	12.6	Sample Proportions	
0.150	7.1	Cobbles	0.0
0.063	3.0	Gravel	34.4
0.020		Sand	62.6
0.006		Silt & Clay	3.0
0.002		-	-
		Grading Analysis	
		D100	28
		D60	0.74
		D10	0.18
		Uniformity Coeff.	4.1
		-	-

BS 1377 : Part 2 : 1990 : Clause 9

Test Results relate only to the sample numbers shown above.

Prepared:

T Curtis

Checked:

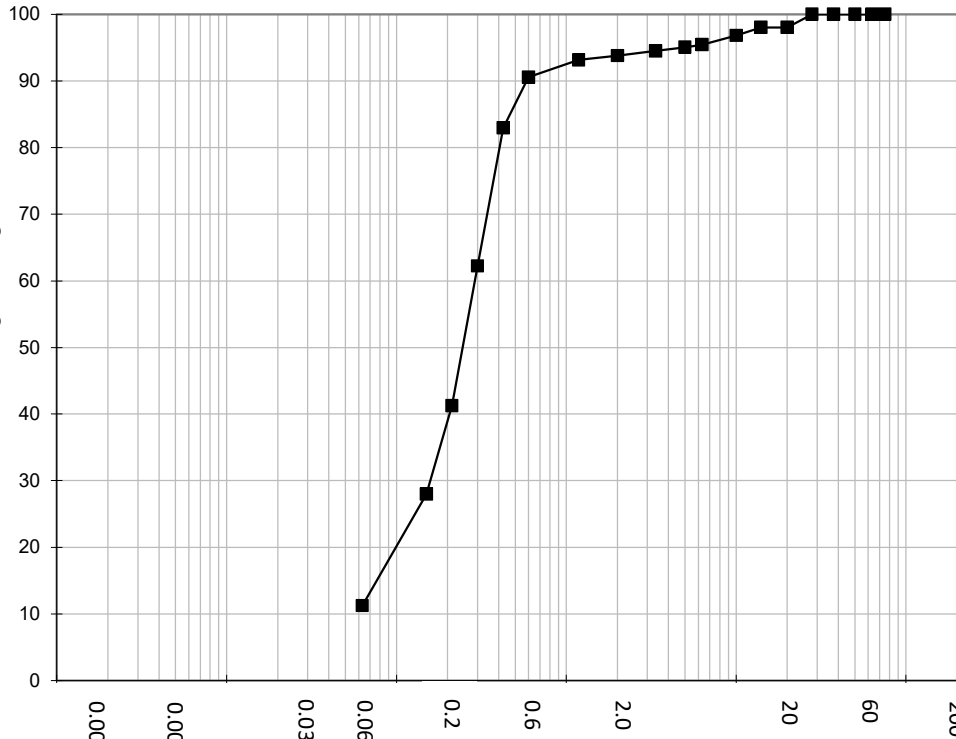
E Toms



# SUMMARY OF PARTICLE SIZE DISTRIBUTION

## ANALYSIS

Site Name:	Keir Hardie Way	Samples Received:	25/09/2020
Reference:	LS4862	Reported:	06/10/2020

Sample Data				Sample Description																																																																															
Position		DS2		Light brown slightly gravelly SAND																																																																															
Sample Ref		-																																																																																	
Depth		1.20																																																																																	
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0.002				-				-																																																																											

BS 1377 : Part 2 : 1990 : Clause 9

Test Results relate only to the sample numbers shown above.

Prepared:

T Curtis

Checked:

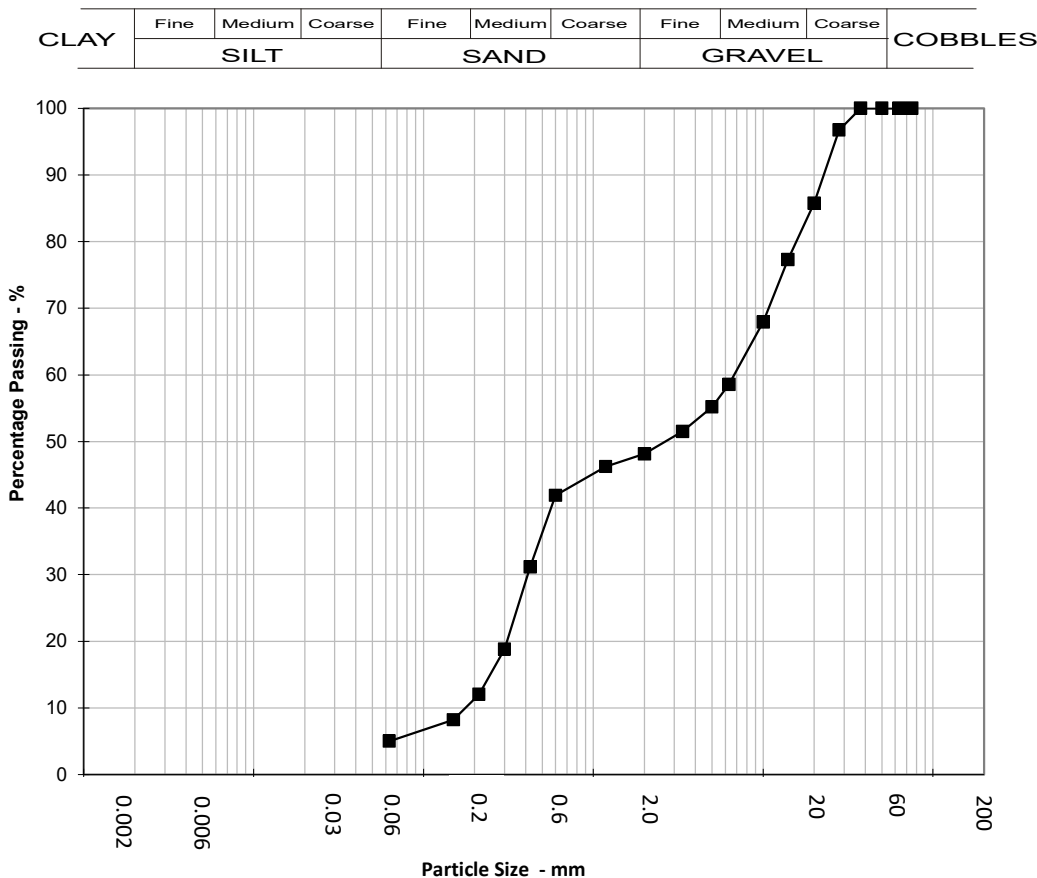
E Toms



# SUMMARY OF PARTICLE SIZE DISTRIBUTION

## ANALYSIS

Site Name:	Keir Hardie Way	Samples Received:	25/09/2020
Reference:	LS4862	Reported:	06/10/2020

Sample Data		Sample Description	
Position	DS3	Light brown very gravelly SAND	
Sample Ref	-		
Depth	1.40		
Sieve Analysis			
mm	%		
125			
90			
75	100.0		
63	100.0		
50	100.0		
37.5	100.0		
28	96.7		
20	85.7		
14	77.3		
10	68.0		
6.3	58.6		
5.0	55.2		
3.35	51.5		
2.0	48.1		
1.18	46.2		
0.60	41.9		
0.425	31.2		
0.30	18.8		
0.212	12.0	Sample Proportions	
0.150	8.2	Cobbles	0.0
0.063	5.0	Gravel	51.9
0.020		Sand	43.1
0.006		Silt & Clay	5.0
0.002		-	-
		Grading Analysis	
		D100	37.5
		D60	6.9
		D10	0.17
		Uniformity Coeff.	40.6
		-	-

BS 1377 : Part 2 : 1990 : Clause 9

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Prepared:

T Curtis

Checked:

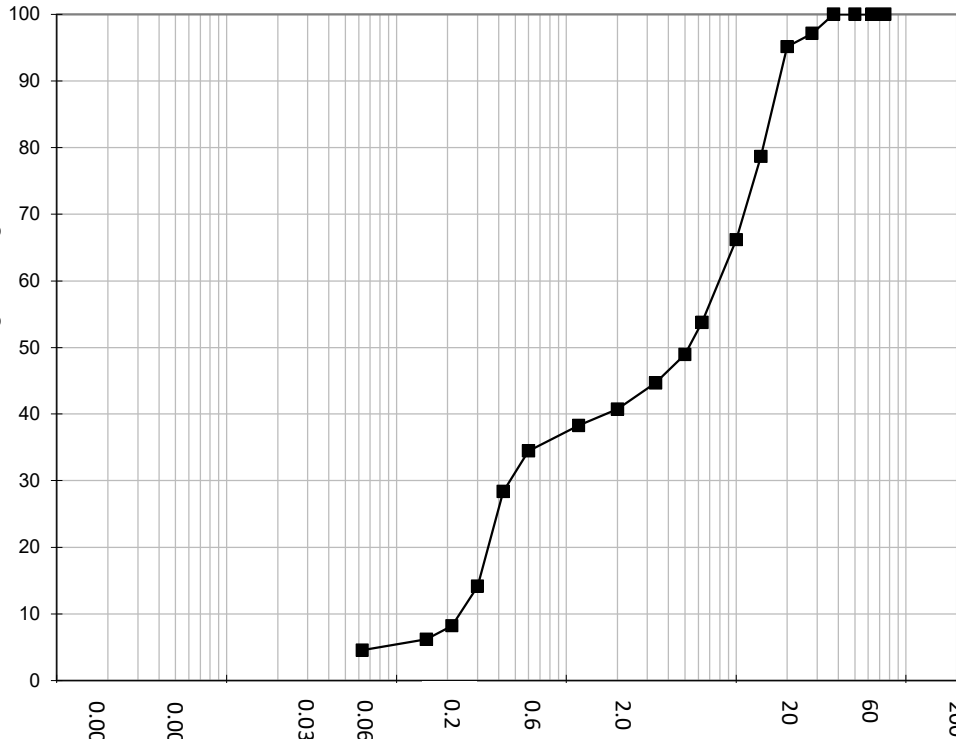
E Toms



# SUMMARY OF PARTICLE SIZE DISTRIBUTION

## ANALYSIS

Site Name:	Keir Hardie Way	Samples Received:	25/09/2020
Reference:	LS4862	Reported:	06/10/2020

Sample Data				Sample Description																																																																													
Position		DS4		Light brown very sandy GRAVEL																																																																													
Sample Ref		-																																																																															
Depth		1.50																																																																															
Sieve Analysis				<div><div>CLAY</div><div><table><tr><th>Fine</th><th>Medium</th><th>Coarse</th></tr><tr><td colspan="3">SILT</td></tr></table><table><tr><th>Fine</th><th>Medium</th><th>Coarse</th></tr><tr><td colspan="3">SAND</td></tr></table><table><tr><th>Fine</th><th>Medium</th><th>Coarse</th></tr><tr><td colspan="3">GRAVEL</td></tr></table><div>COBBLES</div></div><table><tr><th colspan="4">Sample Proportions</th><th colspan="4">Grading Analysis</th></tr><tr><td colspan="2">Cobbles</td><td colspan="2">0.0</td><td colspan="2">D100</td><td colspan="2">37.5</td></tr><tr><td colspan="2">Gravel</td><td colspan="2">59.3</td><td colspan="2">D60</td><td colspan="2">7.9</td></tr><tr><td colspan="2">Sand</td><td colspan="2">36.2</td><td colspan="2">D10</td><td colspan="2">0.24</td></tr><tr><td colspan="2">Silt &amp; Clay</td><td colspan="2">4.6</td><td colspan="2">Uniformity Coeff.</td><td colspan="2">32.9</td></tr><tr><td colspan="2">-</td><td colspan="2"></td><td colspan="2">-</td><td colspan="2"></td></tr></table></div>												Fine	Medium	Coarse	SILT			Fine	Medium	Coarse	SAND			Fine	Medium	Coarse	GRAVEL			Sample Proportions				Grading Analysis				Cobbles		0.0		D100		37.5		Gravel		59.3		D60		7.9		Sand		36.2		D10		0.24		Silt & Clay		4.6		Uniformity Coeff.		32.9		-				-			
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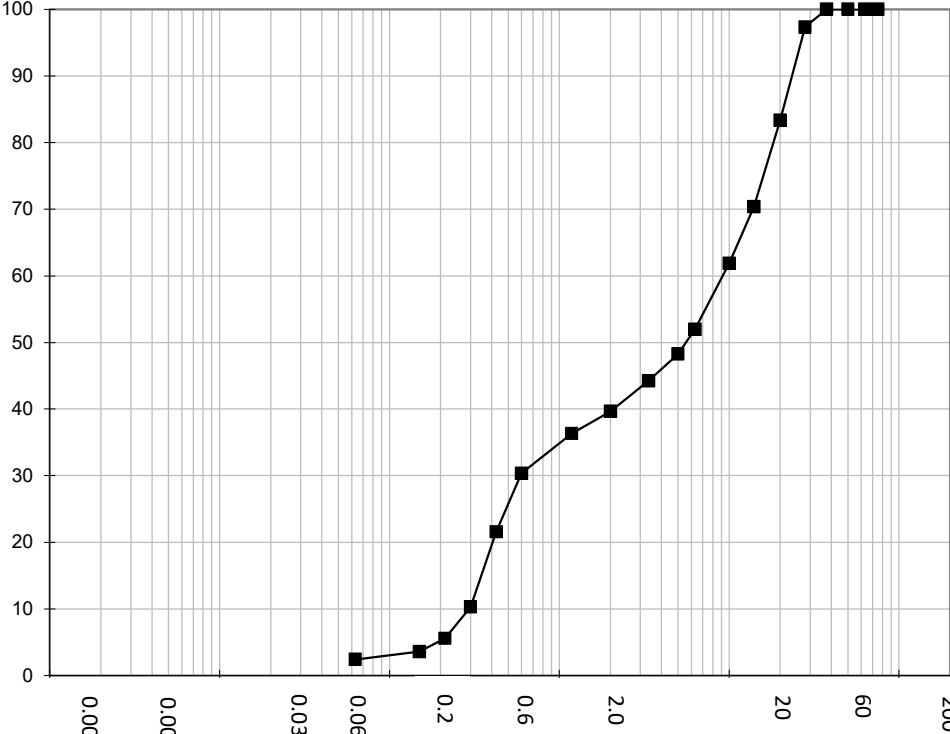
E Toms



# SUMMARY OF PARTICLE SIZE DISTRIBUTION

## ANALYSIS

Site Name:	Keir Hardie Way	Samples Received:	25/09/2020
Reference:	LS4862	Reported:	06/10/2020

Sample Data				Sample Description																																																																													
Position		DS5		Light brown very sandy GRAVEL																																																																													
Sample Ref		-																																																																															
Depth		1.20																																																																															
Sieve Analysis				<div><div>CLAY</div><div><table><tr><th>Fine</th><th>Medium</th><th>Coarse</th></tr><tr><td colspan="3">SILT</td></tr></table><table><tr><th>Fine</th><th>Medium</th><th>Coarse</th></tr><tr><td colspan="3">SAND</td></tr></table><table><tr><th>Fine</th><th>Medium</th><th>Coarse</th></tr><tr><td colspan="3">GRAVEL</td></tr></table><div>COBBLES</div></div><table><tr><th colspan="4">Sample Proportions</th><th colspan="4">Grading Analysis</th></tr><tr><td colspan="2">Cobbles</td><td colspan="2">0.0</td><td colspan="2">D100</td><td colspan="2">37.5</td></tr><tr><td colspan="2">Gravel</td><td colspan="2">60.3</td><td colspan="2">D60</td><td colspan="2">9</td></tr><tr><td colspan="2">Sand</td><td colspan="2">37.2</td><td colspan="2">D10</td><td colspan="2">0.29</td></tr><tr><td colspan="2">Silt &amp; Clay</td><td colspan="2">2.4</td><td colspan="2">Uniformity Coeff.</td><td colspan="2">31.0</td></tr><tr><td colspan="2">-</td><td colspan="2"></td><td colspan="2">-</td><td colspan="2"></td></tr></table></div>												Fine	Medium	Coarse	SILT			Fine	Medium	Coarse	SAND			Fine	Medium	Coarse	GRAVEL			Sample Proportions				Grading Analysis				Cobbles		0.0		D100		37.5		Gravel		60.3		D60		9		Sand		37.2		D10		0.29		Silt & Clay		2.4		Uniformity Coeff.		31.0		-				-			
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BS 1377 : Part 2 : 1990 : Clause 9

Test Results relate only to the sample numbers shown above.

Prepared:

T Curtis

Checked:

E Toms





## **APPENDIX D**

## Waste Classification Report



ZHCCF-CPT2K-7SMP2

### Job name

Keir Hardie Way

### Description/Comments

### Project

LS4862

### Site

Keir Hardie Way, Dagenham

### Related Documents

#	Name	Description
None		

### Waste Stream Template

Land Science Template WM3 v1.1

### Classified by

Name:	Company:	HazWasteOnline™ Training Record:	
<b>Tom Kistruck</b>	<b>Land Science</b>	<b>Course</b>	<b>Date</b>
Date:		Hazardous Waste Classification	-
<b>08 Oct 2020 09:40 GMT</b>		Advanced Hazardous Waste Classification	-
Telephone:			
<b>0345 604 6494</b>			

### Report


Created by: Tom Kistruck  
Created date: 08 Oct 2020 09:40 GMT

### Job summary

#	Sample Name	Depth [m]	Classification Result	Hazard properties	Page
1	DS1	0.20	Hazardous	HP 3(i), HP 7, HP 11	2
2	DS2	0.20	Non Hazardous		5
3	DS3	0.20	Hazardous	HP 3(i), HP 7, HP 11	8
4	DS4	0.20	Hazardous	HP 3(i), HP 7, HP 11	11
5	DS5	0.60	Non Hazardous		14

Appendices	Page
Appendix A: Classifier defined and non CLP determinands	17
Appendix B: Rationale for selection of metal species	18
Appendix C: Version	19

## Classification of sample: DS1

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

## Sample details

Sample Name:	LoW Code:
<b>DS1</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.20 m</b>	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
<b>8%</b>	
(no 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.: 0.139%)

**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.: 0.139%)

## Hazard properties (substances considered hazardous until shown otherwise)

**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"

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.139%)

## Determinands


Moisture content: **8% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	pH				8.3 pH		8.3	pH	8.3 pH		
2	phenol				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2								

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
3	naphthalene				6.1 mg/kg		6.1 mg/kg	0.00061 %			
	601-052-00-2	202-049-5	91-20-3								
4	acenaphthylene				2.3 mg/kg		2.3 mg/kg	0.00023 %			
		205-917-1	208-96-8								
5	acenaphthene				35 mg/kg		35 mg/kg	0.0035 %			
		201-469-6	83-32-9								
6	fluorene				29 mg/kg		29 mg/kg	0.0029 %			
		201-695-5	86-73-7								
7	phenanthrene				220 mg/kg		220 mg/kg	0.022 %			
		201-581-5	85-01-8								
8	anthracene				78 mg/kg		78 mg/kg	0.0078 %			
		204-371-1	120-12-7								
9	fluoranthene				400 mg/kg		400 mg/kg	0.04 %			
		205-912-4	206-44-0								
10	pyrene				380 mg/kg		380 mg/kg	0.038 %			
		204-927-3	129-00-0								
11	benzo[a]anthracene				180 mg/kg		180 mg/kg	0.018 %			
	601-033-00-9	200-280-6	56-55-3								
12	chrysene				130 mg/kg		130 mg/kg	0.013 %			
	601-048-00-0	205-923-4	218-01-9								
13	benzo[b]fluoranthene				170 mg/kg		170 mg/kg	0.017 %			
	601-034-00-4	205-911-9	205-99-2								
14	benzo[k]fluoranthene				76 mg/kg		76 mg/kg	0.0076 %			
	601-036-00-5	205-916-6	207-08-9								
15	benzo[a]pyrene; benzo[def]chrysene				150 mg/kg		150 mg/kg	0.015 %			
	601-032-00-3	200-028-5	50-32-8								
16	indeno[123-cd]pyrene				64 mg/kg		64 mg/kg	0.0064 %			
		205-893-2	193-39-5								
17	dibenz[a,h]anthracene				21 mg/kg		21 mg/kg	0.0021 %			
	601-041-00-2	200-181-8	53-70-3								
18	benzo[ghi]perylene				72 mg/kg		72 mg/kg	0.0072 %			
		205-883-8	191-24-2								
19	coronene				15 mg/kg		15 mg/kg	0.0015 %			
		205-881-7	191-07-1								
20	arsenic { arsenic trioxide }				12 mg/kg	1.32	15.844 mg/kg	0.00158 %			
	033-003-00-0	215-481-4	1327-53-3								
21	barium { barium sulfate }				100 mg/kg	1.7	169.952 mg/kg	0.017 %			
		231-784-4	7727-43-7								
22	beryllium { beryllium oxide }				1.3 mg/kg	2.775	3.608 mg/kg	0.000361 %			
	004-003-00-8	215-133-1	1304-56-9								
23	boron { diboron trioxide; boric oxide }				0.5 mg/kg	3.22	1.61 mg/kg	0.000161 %			
	005-008-00-8	215-125-8	1303-86-2								
24	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
25	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
26	copper { dicopper oxide; copper (II) oxide }				45 mg/kg	1.126	50.665 mg/kg	0.00507 %			
	029-002-00-X	215-270-7	1317-39-1								
27	lead { lead chromate }			1	100 mg/kg	1.56	155.982 mg/kg	0.01 %			
	082-004-00-2	231-846-0	7758-97-6								
28	mercury { mercury dichloride }				0.7 mg/kg	1.353	0.947 mg/kg	0.0000947 %			
	080-010-00-X	231-299-8	7487-94-7								
29	nickel { nickel chromate }				27 mg/kg	2.976	80.359 mg/kg	0.00804 %			
	028-035-00-7	238-766-5	14721-18-7								
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
	034-002-00-8										

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
31	vanadium { <b>divanadium pentaoxide</b> ; <b>vanadium pentoxide</b> }				58	mg/kg	1.785	103.541	mg/kg	0.0104 %		
	023-001-00-8	215-239-8	1314-62-1									
32	zinc { <b>zinc chromate</b> }				72	mg/kg	2.774	199.739	mg/kg	0.02 %		
	024-007-00-3	236-878-9	13530-65-9									
33	benzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
34	toluene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
35	ethylbenzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<1	mg/kg		<1	mg/kg	<0.0001 %		<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]									
37	TPH (C6 to C40) petroleum group				1390	mg/kg		1390	mg/kg	0.139 %		
			TPH									
38	1,2,4-trimethylbenzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-043-00-3	202-436-9	95-63-6									
39	dibenzofuran				16	mg/kg		16	mg/kg	0.0016 %		
		205-071-3	132-64-9									
40	carbazole				11	mg/kg		11	mg/kg	0.0011 %		
		201-696-0	86-74-8									
Total:										0.418 %		

#### 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
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: DS2

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample Name:	LoW Code:	
<b>DS2</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 m</b>		
Moisture content:		
<b>10%</b>		
(no correction)		

## Hazard properties

None identified


## Determinands

Moisture content: 10% No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	• pH				7.4 pH		7.4 pH	7.4 pH		
2	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							
3	naphthalene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3							
4	• acenaphthylene				0.35 mg/kg		0.35 mg/kg	0.000035 %		
		205-917-1	208-96-8							
5	• acenaphthene				1.1 mg/kg		1.1 mg/kg	0.00011 %		
		201-469-6	83-32-9							
6	• fluorene				0.71 mg/kg		0.71 mg/kg	0.000071 %		
		201-695-5	86-73-7							
7	• phenanthrene				16 mg/kg		16 mg/kg	0.0016 %		
		201-581-5	85-01-8							
8	• anthracene				5 mg/kg		5 mg/kg	0.0005 %		
		204-371-1	120-12-7							
9	• fluoranthene				35 mg/kg		35 mg/kg	0.0035 %		
		205-912-4	206-44-0							
10	• pyrene				32 mg/kg		32 mg/kg	0.0032 %		
		204-927-3	129-00-0							
11	benzo[a]anthracene				22 mg/kg		22 mg/kg	0.0022 %		
	601-033-00-9	200-280-6	56-55-3							
12	chrysene				14 mg/kg		14 mg/kg	0.0014 %		
	601-048-00-0	205-923-4	218-01-9							
13	benzo[b]fluoranthene				19 mg/kg		19 mg/kg	0.0019 %		
	601-034-00-4	205-911-9	205-99-2							
14	benzo[k]fluoranthene				11 mg/kg		11 mg/kg	0.0011 %		
	601-036-00-5	205-916-6	207-08-9							
15	benzo[a]pyrene; benzo[def]chrysene				19 mg/kg		19 mg/kg	0.0019 %		
	601-032-00-3	200-028-5	50-32-8							
16	• indeno[123-cd]pyrene				8.1 mg/kg		8.1 mg/kg	0.00081 %		
		205-893-2	193-39-5							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
17	dibenz[a,h]anthracene				2.1	mg/kg		2.1	mg/kg	0.00021 %		
	601-041-00-2	200-181-8	53-70-3									
18	benzo[ghi]perylene				8.7	mg/kg		8.7	mg/kg	0.00087 %		
		205-883-8	191-24-2									
19	coronene				3	mg/kg		3	mg/kg	0.0003 %		
		205-881-7	191-07-1									
20	arsenic { arsenic trioxide }				14	mg/kg	1.32	18.485	mg/kg	0.00185 %		
	033-003-00-0	215-481-4	1327-53-3									
21	barium { barium sulfate }				74	mg/kg	1.7	125.764	mg/kg	0.0126 %		
		231-784-4	7727-43-7									
22	beryllium { beryllium oxide }				0.66	mg/kg	2.775	1.832	mg/kg	0.000183 %		
	004-003-00-8	215-133-1	1304-56-9									
23	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
24	cadmium { cadmium oxide }				<0.2	mg/kg	1.142	<0.228	mg/kg	<0.0000228 %		<LOD
	048-002-00-0	215-146-2	1306-19-0									
25	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
26	copper { dicopper oxide; copper (I) oxide }				39	mg/kg	1.126	43.91	mg/kg	0.00439 %		
	029-002-00-X	215-270-7	1317-39-1									
27	lead { lead chromate }			1	130	mg/kg	1.56	202.776	mg/kg	0.013 %		
	082-004-00-2	231-846-0	7758-97-6									
28	mercury { mercury dichloride }				0.9	mg/kg	1.353	1.218	mg/kg	0.000122 %		
	080-010-00-X	231-299-8	7487-94-7									
29	nickel { nickel chromate }				15	mg/kg	2.976	44.644	mg/kg	0.00446 %		
	028-035-00-7	238-766-5	14721-18-7									
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	034-002-00-8											
31	vanadium { divanadium pentaoxide; vanadium pentoxide }				38	mg/kg	1.785	67.837	mg/kg	0.00678 %		
	023-001-00-8	215-239-8	1314-62-1									
32	zinc { zinc chromate }				70	mg/kg	2.774	194.19	mg/kg	0.0194 %		
	024-007-00-3	236-878-9	13530-65-9									
33	benzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
34	toluene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
35	ethylbenzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<1	mg/kg		<1	mg/kg	<0.0001 %		<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]									
37	TPH (C6 to C40) petroleum group		TPH		404	mg/kg		404	mg/kg	0.0404 %		
38	1,2,4-trimethylbenzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-043-00-3	202-436-9	95-63-6									
39	dibenzofuran				0.4	mg/kg		0.4	mg/kg	0.00004 %		
		205-071-3	132-64-9									
40	carbazole				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		201-696-0	86-74-8									
Total:										0.124 %		

#### 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

### 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** Threshold for petrol set at 1,000mg/kg

Hazard Statements hit:


**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0404%)



## Classification of sample: DS3

 **Hazardous Waste**  
Classified as **17 05 03 \***  
in the List of Waste

## Sample details

Sample Name:	LoW Code:
<b>DS3</b>	Chapter:
Sample Depth:	17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
<b>0.20 m</b>	Entry:
Moisture content:	17 05 03 * (Soil and stones containing hazardous substances)
<b>6.3%</b>	
(no 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.: 0.109%)

**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.: 0.109%)

## Hazard properties (substances considered hazardous until shown otherwise)

**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"

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.109%)

## Determinands

Moisture content: **6.3%** No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
1	pH				10 pH		10	pH	10pH		
2	phenol				<1 mg/kg		<1	mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2								

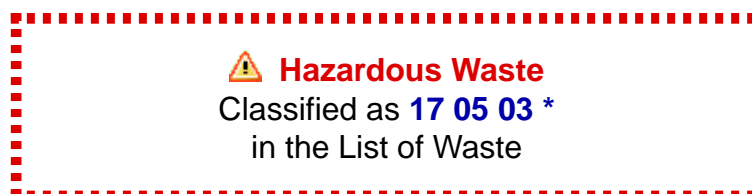
#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
3	naphthalene				3.8 mg/kg		3.8 mg/kg	0.00038 %		
	601-052-00-2	202-049-5	91-20-3							
4	acenaphthylene				1.7 mg/kg		1.7 mg/kg	0.00017 %		
		205-917-1	208-96-8							
5	acenaphthene				22 mg/kg		22 mg/kg	0.0022 %		
		201-469-6	83-32-9							
6	fluorene				16 mg/kg		16 mg/kg	0.0016 %		
		201-695-5	86-73-7							
7	phenanthrene				200 mg/kg		200 mg/kg	0.02 %		
		201-581-5	85-01-8							
8	anthracene				59 mg/kg		59 mg/kg	0.0059 %		
		204-371-1	120-12-7							
9	fluoranthene				270 mg/kg		270 mg/kg	0.027 %		
		205-912-4	206-44-0							
10	pyrene				250 mg/kg		250 mg/kg	0.025 %		
		204-927-3	129-00-0							
11	benzo[a]anthracene				130 mg/kg		130 mg/kg	0.013 %		
	601-033-00-9	200-280-6	56-55-3							
12	chrysene				81 mg/kg		81 mg/kg	0.0081 %		
	601-048-00-0	205-923-4	218-01-9							
13	benzo[b]fluoranthene				110 mg/kg		110 mg/kg	0.011 %		
	601-034-00-4	205-911-9	205-99-2							
14	benzo[k]fluoranthene				39 mg/kg		39 mg/kg	0.0039 %		
	601-036-00-5	205-916-6	207-08-9							
15	benzo[a]pyrene; benzo[def]chrysene				91 mg/kg		91 mg/kg	0.0091 %		
	601-032-00-3	200-028-5	50-32-8							
16	indeno[123-cd]pyrene				40 mg/kg		40 mg/kg	0.004 %		
		205-893-2	193-39-5							
17	dibenz[a,h]anthracene				12 mg/kg		12 mg/kg	0.0012 %		
	601-041-00-2	200-181-8	53-70-3							
18	benzo[ghi]perylene				44 mg/kg		44 mg/kg	0.0044 %		
		205-883-8	191-24-2							
19	coronene				11 mg/kg		11 mg/kg	0.0011 %		
		205-881-7	191-07-1							
20	arsenic { arsenic trioxide }				9.8 mg/kg	1.32	12.939 mg/kg	0.00129 %		
	033-003-00-0	215-481-4	1327-53-3							
21	barium { barium sulfate }				110 mg/kg	1.7	186.947 mg/kg	0.0187 %		
		231-784-4	7727-43-7							
22	beryllium { beryllium oxide }				1.4 mg/kg	2.775	3.885 mg/kg	0.000389 %		
	004-003-00-8	215-133-1	1304-56-9							
23	boron { diboron trioxide; boric oxide }				0.3 mg/kg	3.22	0.966 mg/kg	0.0000966 %		
	005-008-00-8	215-125-8	1303-86-2							
24	cadmium { cadmium oxide }				0.6 mg/kg	1.142	0.685 mg/kg	0.0000685 %		
	048-002-00-0	215-146-2	1306-19-0							
25	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0							
26	copper { dicopper oxide; copper (I) oxide }				46 mg/kg	1.126	51.791 mg/kg	0.00518 %		
	029-002-00-X	215-270-7	1317-39-1							
27	lead { lead chromate }			1	48 mg/kg	1.56	74.871 mg/kg	0.0048 %		
	082-004-00-2	231-846-0	7758-97-6							
28	mercury { mercury dichloride }				0.4 mg/kg	1.353	0.541 mg/kg	0.0000541 %		
	080-010-00-X	231-299-8	7487-94-7							
29	nickel { nickel chromate }				32 mg/kg	2.976	95.24 mg/kg	0.00952 %		
	028-035-00-7	238-766-5	14721-18-7							
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %		<LOD
	034-002-00-8									

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
31	vanadium { divanadium pentaoxide; vanadium pentoxide }				90	mg/kg	1.785	160.667	mg/kg	0.0161 %		
	023-001-00-8	215-239-8	1314-62-1									
32	zinc { zinc chromate }				81	mg/kg	2.774	224.706	mg/kg	0.0225 %		
	024-007-00-3	236-878-9	13530-65-9									
33	benzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-020-00-8	200-753-7	71-43-2									
34	toluene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-021-00-3	203-625-9	108-88-3									
35	ethylbenzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-023-00-4	202-849-4	100-41-4									
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<1	mg/kg		<1	mg/kg	<0.0001 %		<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]									
37	TPH (C6 to C40) petroleum group				1089	mg/kg		1089	mg/kg	0.109 %		
			TPH									
38	1,2,4-trimethylbenzene				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	601-043-00-3	202-436-9	95-63-6									
39	dibenzofuran				13	mg/kg		13	mg/kg	0.0013 %		
		205-071-3	132-64-9									
40	carbazole				17	mg/kg		17	mg/kg	0.0017 %		
		201-696-0	86-74-8									
Total:										0.33 %		

#### 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
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: DS4



## Sample details

Sample Name:	LoW Code:	
<b>DS4</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 m</b>		
Moisture content:		
<b>6.7%</b>		
(no 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.: 0.167%)

**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.: 0.167%)

## Hazard properties (substances considered hazardous until shown otherwise)

**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"

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.167%)

## Determinands

Moisture content: **6.7%** No Moisture Correction applied (MC)

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
1	pH				7.5 pH		7.5 pH	7.5 pH		
2	phenol				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2							

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
3	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	acenaphthylene				1.1	mg/kg		1.1	mg/kg	0.00011 %		
		205-917-1	208-96-8									
5	acenaphthene				3	mg/kg		3	mg/kg	0.0003 %		
		201-469-6	83-32-9									
6	fluorene				2.3	mg/kg		2.3	mg/kg	0.00023 %		
		201-695-5	86-73-7									
7	phenanthrene				45	mg/kg		45	mg/kg	0.0045 %		
		201-581-5	85-01-8									
8	anthracene				15	mg/kg		15	mg/kg	0.0015 %		
		204-371-1	120-12-7									
9	fluoranthene				88	mg/kg		88	mg/kg	0.0088 %		
		205-912-4	206-44-0									
10	pyrene				79	mg/kg		79	mg/kg	0.0079 %		
		204-927-3	129-00-0									
11	benzo[a]anthracene				50	mg/kg		50	mg/kg	0.005 %		
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				40	mg/kg		40	mg/kg	0.004 %		
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				52	mg/kg		52	mg/kg	0.0052 %		
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				28	mg/kg		28	mg/kg	0.0028 %		
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				49	mg/kg		49	mg/kg	0.0049 %		
	601-032-00-3	200-028-5	50-32-8									
16	indeno[123-cd]pyrene				21	mg/kg		21	mg/kg	0.0021 %		
		205-893-2	193-39-5									
17	dibenz[a,h]anthracene				5.2	mg/kg		5.2	mg/kg	0.00052 %		
	601-041-00-2	200-181-8	53-70-3									
18	benzo[ghi]perylene				21	mg/kg		21	mg/kg	0.0021 %		
		205-883-8	191-24-2									
19	coronene				6.2	mg/kg		6.2	mg/kg	0.00062 %		
		205-881-7	191-07-1									
20	arsenic { arsenic trioxide }				12	mg/kg	1.32	15.844	mg/kg	0.00158 %		
	033-003-00-0	215-481-4	1327-53-3									
21	barium { barium sulfate }				77	mg/kg	1.7	130.863	mg/kg	0.0131 %		
		231-784-4	7727-43-7									
22	beryllium { beryllium oxide }				0.68	mg/kg	2.775	1.887	mg/kg	0.000189 %		
	004-003-00-8	215-133-1	1304-56-9									
23	boron { diboron trioxide; boric oxide }				0.5	mg/kg	3.22	1.61	mg/kg	0.000161 %		
	005-008-00-8	215-125-8	1303-86-2									
24	cadmium { cadmium oxide }				0.4	mg/kg	1.142	0.457	mg/kg	0.0000457 %		
	048-002-00-0	215-146-2	1306-19-0									
25	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2	mg/kg	1.923	<2.308	mg/kg	<0.000231 %		<LOD
	024-001-00-0	215-607-8	1333-82-0									
26	copper { dicopper oxide; copper (I) oxide }				37	mg/kg	1.126	41.658	mg/kg	0.00417 %		
	029-002-00-X	215-270-7	1317-39-1									
27	lead { lead chromate }			1	97	mg/kg	1.56	151.302	mg/kg	0.0097 %		
	082-004-00-2	231-846-0	7758-97-6									
28	mercury { mercury dichloride }				0.7	mg/kg	1.353	0.947	mg/kg	0.0000947 %		
	080-010-00-X	231-299-8	7487-94-7									
29	nickel { nickel chromate }				19	mg/kg	2.976	56.549	mg/kg	0.00565 %		
	028-035-00-7	238-766-5	14721-18-7									
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1	mg/kg	2.554	<2.554	mg/kg	<0.000255 %		<LOD
	034-002-00-8											



#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number							
31	vanadium { divanadium pentaoxide; vanadium pentoxide }				40 mg/kg	1.785	71.407 mg/kg	0.00714 %		
	023-001-00-8	215-239-8	1314-62-1							
32	zinc { zinc chromate }				98 mg/kg	2.774	271.866 mg/kg	0.0272 %		
	024-007-00-3	236-878-9	13530-65-9							
33	benzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-020-00-8	200-753-7	71-43-2							
34	toluene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-021-00-3	203-625-9	108-88-3							
35	ethylbenzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-023-00-4	202-849-4	100-41-4							
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<1 mg/kg		<1 mg/kg	<0.0001 %		<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]							
37	TPH (C6 to C40) petroleum group				1670 mg/kg		1670 mg/kg	0.167 %		
			TPH							
38	1,2,4-trimethylbenzene				<1 mg/kg		<1 mg/kg	<0.0001 %		<LOD
	601-043-00-3	202-436-9	95-63-6							
39	dibenzofuran				1.2 mg/kg		1.2 mg/kg	0.00012 %		
		205-071-3	132-64-9							
40	carbazole				3.9 mg/kg		3.9 mg/kg	0.00039 %		
		201-696-0	86-74-8							
Total:								0.288 %		

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
<LOD	Below limit of detection
ND	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Classification of sample: DS5

✔ **Non Hazardous Waste**  
Classified as **17 05 04**  
in the List of Waste

## Sample details

Sample Name:	LoW Code:	
<b>DS5</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 m</b>		
Moisture content:		
<b>13%</b>		
(no correction)		

## Hazard properties

None identified

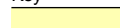



## Determinands

Moisture content: **13% No Moisture Correction applied (MC)**

#	Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number									
1	• pH				8.3	pH		8.3	pH	8.3 pH		
2	phenol				<1	mg/kg		<1	mg/kg	<0.0001 %		<LOD
	604-001-00-2	203-632-7	108-95-2									
3	naphthalene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-052-00-2	202-049-5	91-20-3									
4	• acenaphthylene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-917-1	208-96-8									
5	• acenaphthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-469-6	83-32-9									
6	• fluorene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-695-5	86-73-7									
7	• phenanthrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		201-581-5	85-01-8									
8	• anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-371-1	120-12-7									
9	• fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-912-4	206-44-0									
10	• pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		204-927-3	129-00-0									
11	benzo[a]anthracene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-033-00-9	200-280-6	56-55-3									
12	chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-048-00-0	205-923-4	218-01-9									
13	benzo[b]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-034-00-4	205-911-9	205-99-2									
14	benzo[k]fluoranthene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-036-00-5	205-916-6	207-08-9									
15	benzo[a]pyrene; benzo[def]chrysene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
	601-032-00-3	200-028-5	50-32-8									
16	• indeno[123-cd]pyrene				<0.05	mg/kg		<0.05	mg/kg	<0.000005 %		<LOD
		205-893-2	193-39-5									

#	Determinand			CLP Note	User entered data	Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
	CLP index number	EC Number	CAS Number								
17	dibenz[a,h]anthracene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
	601-041-00-2	200-181-8	53-70-3								
18	benzo[ghi]perylene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-883-8	191-24-2								
19	coronene				<0.05 mg/kg		<0.05 mg/kg	<0.000005 %			<LOD
		205-881-7	191-07-1								
20	arsenic { arsenic trioxide }				10 mg/kg	1.32	13.203 mg/kg	0.00132 %			
	033-003-00-0	215-481-4	1327-53-3								
21	barium { barium sulfate }				30 mg/kg	1.7	50.986 mg/kg	0.0051 %			
		231-784-4	7727-43-7								
22	beryllium { beryllium oxide }				0.53 mg/kg	2.775	1.471 mg/kg	0.000147 %			
	004-003-00-8	215-133-1	1304-56-9								
23	boron { diboron trioxide; boric oxide }				<0.2 mg/kg	3.22	<0.644 mg/kg	<0.0000644 %			<LOD
	005-008-00-8	215-125-8	1303-86-2								
24	cadmium { cadmium oxide }				<0.2 mg/kg	1.142	<0.228 mg/kg	<0.0000228 %			<LOD
	048-002-00-0	215-146-2	1306-19-0								
25	chromium in chromium(VI) compounds { chromium(VI) oxide }				<1.2 mg/kg	1.923	<2.308 mg/kg	<0.000231 %			<LOD
	024-001-00-0	215-607-8	1333-82-0								
26	copper { dicopper oxide; copper (I) oxide }				11 mg/kg	1.126	12.385 mg/kg	0.00124 %			
	029-002-00-X	215-270-7	1317-39-1								
27	lead { lead chromate }			1	16 mg/kg	1.56	24.957 mg/kg	0.0016 %			
	082-004-00-2	231-846-0	7758-97-6								
28	mercury { mercury dichloride }				<0.3 mg/kg	1.353	<0.406 mg/kg	<0.0000406 %			<LOD
	080-010-00-X	231-299-8	7487-94-7								
29	nickel { nickel chromate }				15 mg/kg	2.976	44.644 mg/kg	0.00446 %			
	028-035-00-7	238-766-5	14721-18-7								
30	selenium { selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex }				<1 mg/kg	2.554	<2.554 mg/kg	<0.000255 %			<LOD
	034-002-00-8										
31	vanadium { divanadium pentaoxide; vanadium pentoxide }				34 mg/kg	1.785	60.696 mg/kg	0.00607 %			
	023-001-00-8	215-239-8	1314-62-1								
32	zinc { zinc chromate }				49 mg/kg	2.774	135.933 mg/kg	0.0136 %			
	024-007-00-3	236-878-9	13530-65-9								
33	benzene				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
	601-020-00-8	200-753-7	71-43-2								
34	toluene				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
	601-021-00-3	203-625-9	108-88-3								
35	ethylbenzene				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
	601-023-00-4	202-849-4	100-41-4								
36	o-xylene; [1] p-xylene; [2] m-xylene; [3] xylene [4]				<1 mg/kg		<1 mg/kg	<0.0001 %			<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]								
37	TPH (C6 to C40) petroleum group				<10 mg/kg		<10 mg/kg	<0.001 %			<LOD
			TPH								
38	1,2,4-trimethylbenzene				<1 mg/kg		<1 mg/kg	<0.0001 %			<LOD
	601-043-00-3	202-436-9	95-63-6								
39	dibenzofuran				<0.2 mg/kg		<0.2 mg/kg	<0.00002 %			<LOD
		205-071-3	132-64-9								
40	carbazole				<0.3 mg/kg		<0.3 mg/kg	<0.00003 %			<LOD
		201-696-0	86-74-8								
Total:									0.0359 %		

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
<b>&lt;LOD</b>	Below limit of detection
<b>ND</b>	Not detected
CLP: Note 1	Only the metal concentration has been used for classification

## Appendix A: Classifier defined and non CLP determinands

### • 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

• **coronene** (EC Number: 205-881-7, CAS Number: 191-07-1)

Description/Comments: Data from C&L Inventory Database; no entries in Registered Substances or Pesticides Properties databases; SDS: Sigma Aldrich, 1907/2006 compliant, dated 2012 - no entries; IARC – Group 3, not carcinogenic.

Data source:

<http://clp-inventory.echa.europa.eu/SummaryOfClassAndLabelling.aspx?SubstanceID=17010&HarmOnly=no?fc=true&lang=en>

Data source date: 16 Jun 2014

Hazard Statements: STOT SE 2 H371

• **barium sulfate** (EC Number: 231-784-4, CAS Number: 7727-43-7)

Conversion factor: 1.7

Description/Comments: No hazard statements

Data source: <https://echa.europa.eu/information-on-chemicals/cl-inventory-database/-/discli/details/89983> Sigma Aldrich SDS dated 15/4/19

Data source date: 02 Apr 2020

Hazard Statements: None.

• **ethylbenzene** (EC Number: 202-849-4, CAS Number: 100-41-4)

CLP index number: 601-023-00-4

Description/Comments:

Data source: Commission Regulation (EU) No 605/2014 – 6th Adaptation to Technical Progress for Regulation (EC) No 1272/2008. (ATP6)

Additional Hazard Statement(s): Carc. 2 H351

Reason for additional Hazards Statement(s):

03 Jun 2015 - Carc. 2 H351 hazard statement sourced from: IARC Group 2B (77) 2000

• **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

• **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

• **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

## 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)

### barium {barium sulfate}

Worst case CLP species based on hazard statements/molecular weight (edit as required)

### beryllium {beryllium oxide}

Reasonable case CLP species based on hazard statements/molecular weight. Industrial sources include: most common (non alloy) form, used in ceramics (edit as required)

### boron {diboron trioxide; boric oxide}

Reasonable case CLP species based on hazard statements/ molecular weight, physical form and low solubility. Industrial sources include: fluxing agent for glass/enamels; additive for fibre optics, borosilicate glass (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(VI) compounds {chromium(VI) oxide}**

Worst case CLP species based on hazard statements/molecular weight. Industrial sources include: production stainless steel, electroplating, wood preservation, anti-corrosion agents or coatings, pigments (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) Worse 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 {selenium compounds with the exception of cadmium sulphoselenide and those specified elsewhere in this Annex}**

Harmonised group entry used as most reasonable case. Pigment cadmium sulphoselenide not likely to be present in this soil. No evidence for the other CLP entries: sodium selenite, nickel II selenite and nickel selenide, to be present in this soil. (edit as required)

#### **vanadium {divanadium pentaoxide; vanadium pentoxide}**

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)

### **Appendix C: Version**

HazWasteOnline Classification Engine: **WM3 1st Edition v1.1, May 2018**

HazWasteOnline Classification Engine Version: 2020.276.4488.8743 (02 Oct 2020)

HazWasteOnline Database: 2020.276.4488.8743 (02 Oct 2020)

This classification utilises the following guidance and legislation:

**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018  
**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 Wastes 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  
**POPs Regulation 2004** - Regulation 850/2004/EC of 29 April 2004  
**1st ATP to POPs Regulation** - Regulation 756/2010/EU of 24 August 2010  
**2nd ATP to POPs Regulation** - Regulation 757/2010/EU of 24 August 2010

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## **Analytical Report Number : 20-32181**

<b>Project / Site name:</b>	Keir Hardie Way	<b>Samples received on:</b>	24/09/2020
<b>Your job number:</b>	LS4862	<b>Samples instructed on/ Analysis started on:</b>	24/09/2020
<b>Your order number:</b>		<b>Analysis completed by:</b>	06/10/2020
<b>Report Issue Number:</b>	1	<b>Report issued on:</b>	06/10/2020
<b>Samples Analysed:</b>	10 soil samples		

**Signed:** *Karolina Marek*

Karolina Marek  
PL Head of Reporting Team  
**For & on behalf of i2 Analytical Ltd.**

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting  
leachates - 2 weeks from reporting  
waters - 2 weeks from reporting  
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.  
Application of uncertainty of measurement would provide a range within which the true result lies.  
An estimate of measurement uncertainty can be provided on request.



Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number	1631388	1631389	1631390	1631391
Sample Reference	DS1	DS1	DS2	DS2
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	0.80	0.20	0.50
Date Sampled	23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	8	5.8	10	12
Total mass of sample received	kg	0.001	NONE	1.5	2	1.4	2

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-	-	-
Asbestos in Soil	Type	N/A	ISO 17025	Not-detected	-	Not-detected	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-	-	-

#### General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.3	7.9	7.4	7.2
Total Cyanide	mg/kg	1	MCERTS	< 1	-	< 1	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.047	0.017	0.062	0.0058
Sulphide	mg/kg	1	MCERTS	53	-	32	-
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.033	-	0.013	-

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-
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#### Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	6.1	-	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	2.3	-	0.35	-
Acenaphthene	mg/kg	0.05	MCERTS	35	-	1.1	-
Fluorene	mg/kg	0.05	MCERTS	29	-	0.71	-
Phenanthrene	mg/kg	0.05	MCERTS	220	-	16	-
Anthracene	mg/kg	0.05	MCERTS	78	-	5	-
Fluoranthene	mg/kg	0.05	MCERTS	400	-	35	-
Pyrene	mg/kg	0.05	MCERTS	380	-	32	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	180	-	22	-
Chrysene	mg/kg	0.05	MCERTS	130	-	14	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	170	-	19	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	76	-	11	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	150	-	19	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	64	-	8.1	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	21	-	2.1	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	72	-	8.7	-
Coronene	mg/kg	0.05	NONE	15	-	3	-

#### Total PAH

Total WAC-17 PAHs	mg/kg	0.85	NONE	2030*	-	196	-
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Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631388	1631389	1631390	1631391
Sample Reference				DS1	DS1	DS2	DS2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.80	0.20	0.50
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)				Units	Limit of detection	Accreditation Status	

#### Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	12	-	14	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	100	-	74	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.3	-	0.66	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.5	-	0.5	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	< 1.2	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	40	-	27	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	45	-	39	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	100	-	130	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.7	-	0.9	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	27	-	15	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	58	-	38	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	72	-	70	-

#### Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-

#### Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	6.6	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	42	-	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	44	-	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	96	-	11	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	190	-	14	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	20	-	5.8	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	100	-	23	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	640	-	180	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	440	-	180	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	1200*	-	390	-



Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631388	1631389	1631390	1631391
Sample Reference				DS1	DS1	DS2	DS2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.80	0.20	0.50
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				

#### VOCs

Chloromethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Chloroethane	µg/kg	1	NONE	< 1.0	-	< 1.0	-
Bromomethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Vinyl Chloride	µg/kg	1	NONE	< 1.0	-	< 1.0	-
Trichlorofluoromethane	µg/kg	1	NONE	< 1.0	-	< 1.0	-
1,1-Dichloroethene	µg/kg	1	NONE	< 1.0	-	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
2,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Trichloromethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1-Dichloropropene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	-	< 1.0	-
Benzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Trichloroethene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Dibromomethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Bromodichloromethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Tetrachloroethene	µg/kg	1	NONE	< 1.0	-	< 1.0	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Styrene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Tribromomethane	µg/kg	1	NONE	< 1.0	-	< 1.0	-
o-Xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Isopropylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Bromobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
2-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
4-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
tert-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
sec-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-



Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631388	1631389	1631390	1631391
Sample Reference				DS1	DS1	DS2	DS2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.80	0.20	0.50
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Hexachlorobutadiene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-

#### SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	-	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Naphthalene	mg/kg	0.05	MCERTS	6.1	-	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	14	-	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
Acenaphthylene	mg/kg	0.05	MCERTS	2.3	-	0.35	-
Acenaphthene	mg/kg	0.05	MCERTS	35	-	1.1	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	16	-	0.4	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	-	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Fluorene	mg/kg	0.05	MCERTS	29	-	0.71	-
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Phenanthrene	mg/kg	0.05	MCERTS	220	-	16	-
Anthracene	mg/kg	0.05	MCERTS	78	-	5	-
Carbazole	mg/kg	0.3	MCERTS	11	-	1.1	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Anthraquinone	mg/kg	0.3	MCERTS	13	-	2.4	-
Fluoranthene	mg/kg	0.05	MCERTS	400	-	35	-



Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631388	1631389	1631390	1631391
Sample Reference				DS1	DS1	DS2	DS2
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	0.80	0.20	0.50
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Pyrene	mg/kg	0.05	MCERTS	380	-	32	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	-	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	180	-	22	-
Chrysene	mg/kg	0.05	MCERTS	130	-	14	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	170	-	19	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	76	-	11	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	150	-	19	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	64	-	8.1	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	21	-	2.1	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	72	-	8.7	-

U/S = Unsuitable Sample I/S = Insufficient Sample  
\* Samples are incomparable between Multimethod and FID due to dilutions



Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number	1631392	1631393	1631394	1631395
Sample Reference	DS3	DS3	DS4	DS4
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	1.10	0.20	0.50
Date Sampled	23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	6.3	4	6.7	13
Total mass of sample received	kg	0.001	NONE	1.4	2	1.6	2

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	Chrysotile	-	Chrysotile	-
Asbestos in Soil	Type	N/A	ISO 17025	Detected	-	Detected	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	< 0.001	-	0.004	-
Asbestos Quantification Total	%	0.001	ISO 17025	< 0.001	-	0.004	-

#### General Inorganics

pH - Automated	pH Units	N/A	MCERTS	10	7.7	7.5	8.7
Total Cyanide	mg/kg	1	MCERTS	< 1	-	< 1	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.091	0.0067	0.07	0.0099
Sulphide	mg/kg	1	MCERTS	83	-	65	-
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.031	-	0.021	-

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-
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#### Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	3.8	-	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	1.7	-	1.1	-
Acenaphthene	mg/kg	0.05	MCERTS	22	-	3	-
Fluorene	mg/kg	0.05	MCERTS	16	-	2.3	-
Phenanthrene	mg/kg	0.05	MCERTS	200	-	45	-
Anthracene	mg/kg	0.05	MCERTS	59	-	15	-
Fluoranthene	mg/kg	0.05	MCERTS	270	-	88	-
Pyrene	mg/kg	0.05	MCERTS	250	-	79	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	130	-	50	-
Chrysene	mg/kg	0.05	MCERTS	81	-	40	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	110	-	52	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	39	-	28	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	91	-	49	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	40	-	21	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	12	-	5.2	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	44	-	21	-
Coronene	mg/kg	0.05	NONE	11	-	6.2	-

#### Total PAH

Total WAC-17 PAHs	mg/kg	0.85	NONE	1380*	-	506	-
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Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number	1631392	1631393	1631394	1631395
Sample Reference	DS3	DS3	DS4	DS4
Sample Number	None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)	0.20	1.10	0.20	0.50
Date Sampled	23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken	None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status	

#### Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.8	-	12	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	110	-	77	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.4	-	0.68	-
Boron (water soluble)	mg/kg	0.2	MCERTS	0.3	-	0.5	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.6	-	0.4	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-	< 1.2	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	160	-	33	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	46	-	37	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	48	-	97	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	0.4	-	0.7	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	32	-	19	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	90	-	40	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	81	-	98	-

#### Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-

#### Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	14	-	9.9	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	18	-	27	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	57	-	81	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	89	-	120	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	15	-	11	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	65	-	44	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	480	-	700	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	490	-	790	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	1000*	-	1500	-



Analytical Report Number: 20-32181

Project / Site name: Keir Hardie Way

Lab Sample Number	1631392			1631393	1631394	1631395
Sample Reference	DS3			DS3	DS4	DS4
Sample Number	None Supplied			None Supplied	None Supplied	None Supplied
Depth (m)	0.20			1.10	0.20	0.50
Date Sampled	23/09/2020			23/09/2020	23/09/2020	23/09/2020
Time Taken	None Supplied			None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			

#### VOCs

Chloromethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Chloroethane	µg/kg	1	NONE	< 1.0	-	< 1.0	-
Bromomethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Vinyl Chloride	µg/kg	1	NONE	< 1.0	-	< 1.0	-
Trichlorofluoromethane	µg/kg	1	NONE	< 1.0	-	< 1.0	-
1,1-Dichloroethene	µg/kg	1	NONE	< 1.0	-	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
2,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Trichloromethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1-Dichloropropene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	-	< 1.0	-
Benzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Trichloroethene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Dibromomethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Bromodichloromethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Tetrachloroethene	µg/kg	1	NONE	< 1.0	-	< 1.0	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Styrene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Tribromomethane	µg/kg	1	NONE	< 1.0	-	< 1.0	-
o-Xylene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Isopropylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Bromobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
2-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
4-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
tert-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
sec-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-



Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631392	1631393	1631394	1631395
Sample Reference				DS3	DS3	DS4	DS4
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.10	0.20	0.50
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Butylbenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
Hexachlorobutadiene	µg/kg	1	MCERTS	< 1.0	-	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-	< 1.0	-

#### SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	-	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	-	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Naphthalene	mg/kg	0.05	MCERTS	3.8	-	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	8.9	-	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	-	< 0.1	-
Acenaphthylene	mg/kg	0.05	MCERTS	1.7	-	1.1	-
Acenaphthene	mg/kg	0.05	MCERTS	22	-	3	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	13	-	1.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	-	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Fluorene	mg/kg	0.05	MCERTS	16	-	2.3	-
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-	< 0.3	-
Phenanthrene	mg/kg	0.05	MCERTS	200	-	45	-
Anthracene	mg/kg	0.05	MCERTS	59	-	15	-
Carbazole	mg/kg	0.3	MCERTS	17	-	3.9	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-	< 0.2	-
Anthraquinone	mg/kg	0.3	MCERTS	16	-	5.2	-
Fluoranthene	mg/kg	0.05	MCERTS	270	-	88	-

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Lab Sample Number				1631392	1631393	1631394	1631395
Sample Reference				DS3	DS3	DS4	DS4
Sample Number				None Supplied	None Supplied	None Supplied	None Supplied
Depth (m)				0.20	1.10	0.20	0.50
Date Sampled				23/09/2020	23/09/2020	23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Pyrene	mg/kg	0.05	MCERTS	250	-	79	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	-	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	130	-	50	-
Chrysene	mg/kg	0.05	MCERTS	81	-	40	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	110	-	52	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	39	-	28	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	91	-	49	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	40	-	21	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	12	-	5.2	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	44	-	21	-

U/S = Unsuitable Sample I/S = Insufficient Sample  
\* Samples are incomparable between Multimethod and FID due to dilutions



Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631396	1631397
Sample Reference				DS5	DS5
Sample Number				None Supplied	None Supplied
Depth (m)				0.60	0.90
Date Sampled				23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	N/A	NONE	13	5.8
Total mass of sample received	kg	0.001	NONE	1.6	1.5

Asbestos in Soil Screen / Identification Name	Type	N/A	ISO 17025	-	-
Asbestos in Soil	Type	N/A	ISO 17025	-	-
Asbestos Quantification (Stage 2)	%	0.001	ISO 17025	-	-
Asbestos Quantification Total	%	0.001	ISO 17025	-	-

#### General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.3	8.3
Total Cyanide	mg/kg	1	MCERTS	< 1	-
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.017	0.028
Sulphide	mg/kg	1	MCERTS	< 1.0	-
Fraction Organic Carbon (FOC)	N/A	0.001	MCERTS	0.0021	-

#### Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	-
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#### Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-
Coronene	mg/kg	0.05	NONE	< 0.05	-

#### Total PAH

Total WAC-17 PAHs	mg/kg	0.85	NONE	< 0.85	-
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Analytical Report Number: 20-32181

Project / Site name: Keir Hardie Way

Lab Sample Number				1631396	1631397
Sample Reference				DS5	DS5
Sample Number				None Supplied	None Supplied
Depth (m)				0.60	0.90
Date Sampled				23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

#### Heavy Metals / Metalloids

Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	10	-
Barium (aqua regia extractable)	mg/kg	1	MCERTS	30	-
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.53	-
Boron (water soluble)	mg/kg	0.2	MCERTS	< 0.2	-
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	< 0.2	-
Chromium (hexavalent)	mg/kg	1.2	MCERTS	< 1.2	-
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	21	-
Copper (aqua regia extractable)	mg/kg	1	MCERTS	11	-
Lead (aqua regia extractable)	mg/kg	1	MCERTS	16	-
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	-
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	15	-
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	-
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	34	-
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	49	-

#### Monoaromatics & Oxygenates

Benzene	µg/kg	1	MCERTS	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-
p & m-xylene	µg/kg	1	MCERTS	< 1.0	-
o-xylene	µg/kg	1	MCERTS	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-

#### Petroleum Hydrocarbons

TPH-CWG - Aliphatic >EC5 - EC6	mg/kg	0.001	MCERTS	< 0.001	-
TPH-CWG - Aliphatic >EC6 - EC8	mg/kg	0.001	MCERTS	< 0.001	-
TPH-CWG - Aliphatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-
TPH-CWG - Aliphatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-
TPH-CWG - Aliphatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-
TPH-CWG - Aliphatic >EC16 - EC21	mg/kg	8	MCERTS	< 8.0	-
TPH-CWG - Aliphatic >EC21 - EC35	mg/kg	8	MCERTS	< 8.0	-
TPH-CWG - Aliphatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-

TPH-CWG - Aromatic >EC5 - EC7	mg/kg	0.001	MCERTS	< 0.001	-
TPH-CWG - Aromatic >EC7 - EC8	mg/kg	0.001	MCERTS	< 0.001	-
TPH-CWG - Aromatic >EC8 - EC10	mg/kg	0.001	MCERTS	< 0.001	-
TPH-CWG - Aromatic >EC10 - EC12	mg/kg	1	MCERTS	< 1.0	-
TPH-CWG - Aromatic >EC12 - EC16	mg/kg	2	MCERTS	< 2.0	-
TPH-CWG - Aromatic >EC16 - EC21	mg/kg	10	MCERTS	< 10	-
TPH-CWG - Aromatic >EC21 - EC35	mg/kg	10	MCERTS	< 10	-
TPH-CWG - Aromatic (EC5 - EC35)	mg/kg	10	MCERTS	< 10	-

Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631396	1631397
Sample Reference				DS5	DS5
Sample Number				None Supplied	None Supplied
Depth (m)				0.60	0.90
Date Sampled				23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		

#### VOCs

Chloromethane	µg/kg	1	ISO 17025	< 1.0	-
Chloroethane	µg/kg	1	NONE	< 1.0	-
Bromomethane	µg/kg	1	ISO 17025	< 1.0	-
Vinyl Chloride	µg/kg	1	NONE	< 1.0	-
Trichlorofluoromethane	µg/kg	1	NONE	< 1.0	-
1,1-Dichloroethene	µg/kg	1	NONE	< 1.0	-
1,1,2-Trichloro 1,2,2-Trifluoroethane	µg/kg	1	ISO 17025	< 1.0	-
Cis-1,2-dichloroethene	µg/kg	1	MCERTS	< 1.0	-
MTBE (Methyl Tertiary Butyl Ether)	µg/kg	1	MCERTS	< 1.0	-
1,1-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-
2,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-
Trichloromethane	µg/kg	1	MCERTS	< 1.0	-
1,1,1-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-
1,2-Dichloroethane	µg/kg	1	MCERTS	< 1.0	-
1,1-Dichloropropene	µg/kg	1	MCERTS	< 1.0	-
Trans-1,2-dichloroethene	µg/kg	1	NONE	< 1.0	-
Benzene	µg/kg	1	MCERTS	< 1.0	-
Tetrachloromethane	µg/kg	1	MCERTS	< 1.0	-
1,2-Dichloropropane	µg/kg	1	MCERTS	< 1.0	-
Trichloroethene	µg/kg	1	MCERTS	< 1.0	-
Dibromomethane	µg/kg	1	MCERTS	< 1.0	-
Bromodichloromethane	µg/kg	1	MCERTS	< 1.0	-
Cis-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-
Trans-1,3-dichloropropene	µg/kg	1	ISO 17025	< 1.0	-
Toluene	µg/kg	1	MCERTS	< 1.0	-
1,1,2-Trichloroethane	µg/kg	1	MCERTS	< 1.0	-
1,3-Dichloropropane	µg/kg	1	ISO 17025	< 1.0	-
Dibromochloromethane	µg/kg	1	ISO 17025	< 1.0	-
Tetrachloroethene	µg/kg	1	NONE	< 1.0	-
1,2-Dibromoethane	µg/kg	1	ISO 17025	< 1.0	-
Chlorobenzene	µg/kg	1	MCERTS	< 1.0	-
1,1,1,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-
Ethylbenzene	µg/kg	1	MCERTS	< 1.0	-
p & m-Xylene	µg/kg	1	MCERTS	< 1.0	-
Styrene	µg/kg	1	MCERTS	< 1.0	-
Tribromomethane	µg/kg	1	NONE	< 1.0	-
o-Xylene	µg/kg	1	MCERTS	< 1.0	-
1,1,2,2-Tetrachloroethane	µg/kg	1	MCERTS	< 1.0	-
Isopropylbenzene	µg/kg	1	MCERTS	< 1.0	-
Bromobenzene	µg/kg	1	MCERTS	< 1.0	-
n-Propylbenzene	µg/kg	1	ISO 17025	< 1.0	-
2-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-
4-Chlorotoluene	µg/kg	1	MCERTS	< 1.0	-
1,3,5-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-
tert-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-
1,2,4-Trimethylbenzene	µg/kg	1	ISO 17025	< 1.0	-
sec-Butylbenzene	µg/kg	1	MCERTS	< 1.0	-
1,3-Dichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-
p-Isopropyltoluene	µg/kg	1	ISO 17025	< 1.0	-
1,2-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-
1,4-Dichlorobenzene	µg/kg	1	MCERTS	< 1.0	-

Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631396	1631397
Sample Reference				DS5	DS5
Sample Number				None Supplied	None Supplied
Depth (m)				0.60	0.90
Date Sampled				23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Butylbenzene	µg/kg	1	MCERTS	< 1.0	-
1,2-Dibromo-3-chloropropane	µg/kg	1	ISO 17025	< 1.0	-
1,2,4-Trichlorobenzene	µg/kg	1	MCERTS	< 1.0	-
Hexachlorobutadiene	µg/kg	1	MCERTS	< 1.0	-
1,2,3-Trichlorobenzene	µg/kg	1	ISO 17025	< 1.0	-

#### SVOCs

Aniline	mg/kg	0.1	NONE	< 0.1	-
Phenol	mg/kg	0.2	ISO 17025	< 0.2	-
2-Chlorophenol	mg/kg	0.1	MCERTS	< 0.1	-
Bis(2-chloroethyl)ether	mg/kg	0.2	MCERTS	< 0.2	-
1,3-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-
1,2-Dichlorobenzene	mg/kg	0.1	MCERTS	< 0.1	-
1,4-Dichlorobenzene	mg/kg	0.2	MCERTS	< 0.2	-
Bis(2-chloroisopropyl)ether	mg/kg	0.1	MCERTS	< 0.1	-
2-Methylphenol	mg/kg	0.3	MCERTS	< 0.3	-
Hexachloroethane	mg/kg	0.05	MCERTS	< 0.05	-
Nitrobenzene	mg/kg	0.3	MCERTS	< 0.3	-
4-Methylphenol	mg/kg	0.2	NONE	< 0.2	-
Isophorone	mg/kg	0.2	MCERTS	< 0.2	-
2-Nitrophenol	mg/kg	0.3	MCERTS	< 0.3	-
2,4-Dimethylphenol	mg/kg	0.3	MCERTS	< 0.3	-
Bis(2-chloroethoxy)methane	mg/kg	0.3	MCERTS	< 0.3	-
1,2,4-Trichlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	-
2,4-Dichlorophenol	mg/kg	0.3	MCERTS	< 0.3	-
4-Chloroaniline	mg/kg	0.1	NONE	< 0.1	-
Hexachlorobutadiene	mg/kg	0.1	MCERTS	< 0.1	-
4-Chloro-3-methylphenol	mg/kg	0.1	NONE	< 0.1	-
2,4,6-Trichlorophenol	mg/kg	0.1	MCERTS	< 0.1	-
2,4,5-Trichlorophenol	mg/kg	0.2	MCERTS	< 0.2	-
2-Methylnaphthalene	mg/kg	0.1	NONE	< 0.1	-
2-Chloronaphthalene	mg/kg	0.1	MCERTS	< 0.1	-
Dimethylphthalate	mg/kg	0.1	MCERTS	< 0.1	-
2,6-Dinitrotoluene	mg/kg	0.1	MCERTS	< 0.1	-
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	-
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	-
2,4-Dinitrotoluene	mg/kg	0.2	MCERTS	< 0.2	-
Dibenzofuran	mg/kg	0.2	MCERTS	< 0.2	-
4-Chlorophenyl phenyl ether	mg/kg	0.3	ISO 17025	< 0.3	-
Diethyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-
4-Nitroaniline	mg/kg	0.2	MCERTS	< 0.2	-
Fluorene	mg/kg	0.05	MCERTS	< 0.05	-
Azobenzene	mg/kg	0.3	MCERTS	< 0.3	-
Bromophenyl phenyl ether	mg/kg	0.2	MCERTS	< 0.2	-
Hexachlorobenzene	mg/kg	0.3	MCERTS	< 0.3	-
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	-
Anthracene	mg/kg	0.05	MCERTS	< 0.05	-
Carbazole	mg/kg	0.3	MCERTS	< 0.3	-
Dibutyl phthalate	mg/kg	0.2	MCERTS	< 0.2	-
Anthraquinone	mg/kg	0.3	MCERTS	< 0.3	-
Fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-

Analytical Report Number: 20-32181  
Project / Site name: Keir Hardie Way

Lab Sample Number				1631396	1631397
Sample Reference				DS5	DS5
Sample Number				None Supplied	None Supplied
Depth (m)				0.60	0.90
Date Sampled				23/09/2020	23/09/2020
Time Taken				None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Pyrene	mg/kg	0.05	MCERTS	< 0.05	-
Butyl benzyl phthalate	mg/kg	0.3	ISO 17025	< 0.3	-
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	-
Chrysene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	-
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	-
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	-

U/S = Unsuitable Sample I/S = Insufficient Sample  
\* Samples are incomparable between Multimethod and FID due to dilutions



**Analytical Report Number:** 20-32181  
**Project / Site name:** Keir Hardie Way  
**Your Order No:**

## Certificate of Analysis - Asbestos Quantification

### Methods:

#### Qualitative Analysis

The samples were analysed qualitatively for asbestos by polarising light and dispersion staining as described by the Health and Safety Executive in HSG 248.

#### Quantitative Analysis

The analysis was carried out using our documented in-house method A006-PL based on HSE Contract Research Report No: 83/1996: Development and Validation of an analytical method to determine the amount of asbestos in soils and loose aggregates (Davies et al, 1996) and HSG 248. Our method includes initial examination of the entire representative sample, then fractionation and detailed analysis of each fraction, with quantification by hand picking and weighing.

The limit of detection (reporting limit) of this method is 0.001 %.

The method has been validated using samples of at least 100 g, results for samples smaller than this should be interpreted with caution.

Both Qualitative and Quantitative Analyses are UKAS accredited.

Sample Number	Sample ID	Sample Depth (m)	Sample Weight (g)	Asbestos Containing Material Types Detected (ACM)	PLM Results	Asbestos by hand picking/weighing (%)	Total % Asbestos in Sample
1631392	DS3	0.20	148	Loose Fibres	Chrysotile	< 0.001	< 0.001
1631394	DS4	0.20	139	Loose Fibres	Chrysotile	0.004	0.004

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation.





**Analytical Report Number : 20-32181**  
**Project / Site name: Keir Hardie Way**

\* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1631388	DS1	None Supplied	0.2	Grey sand with gravel.
1631389	DS1	None Supplied	0.8	Brown sand with gravel.
1631390	DS2	None Supplied	0.2	Brown sandy clay with gravel.
1631391	DS2	None Supplied	0.5	Brown sandy clay.
1631392	DS3	None Supplied	0.2	Brown sand with gravel and tar.
1631393	DS3	None Supplied	1.1	Brown sand with gravel.
1631394	DS4	None Supplied	0.2	Grey loam and clay with gravel and vegetation.
1631395	DS4	None Supplied	0.5	Brown sandy clay.
1631396	DS5	None Supplied	0.6	Brown sandy clay.
1631397	DS5	None Supplied	0.9	Brown sandy clay with gravel.



**Analytical Report Number : 20-32181**  
**Project / Site name: Keir Hardie Way**

**Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)**

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil (Lower Level)	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazine followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Fraction of Organic Carbon in soil	Determination of fraction of organic carbon in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodium hydroxide followed by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (skalar)	L080-PL	W	MCERTS
Speciated WAC-17 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.	In-house method based on USEPA 8270. MCERTS accredited except Coronene.	L064-PL	D	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Semi-volatile organic compounds in soil	Determination of semi-volatile organic compounds in soil by extraction in dichloromethane and hexane followed by GC-MS.	In-house method based on USEPA 8270	L064-PL	D	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	W	MCERTS
Volatile organic compounds in soil	Determination of volatile organic compounds in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
BTEX and MTBE in soil (Monoaromatics)	Determination of BTEX in soil by headspace GC-MS.	In-house method based on USEPA8260	L073B-PL	W	MCERTS
TPHCWG (Soil)	Determination of hexane extractable hydrocarbons in soil by GC-MS/GC-FID.	In-house method with silica gel split/clean up.	L088/76-PL	W	MCERTS

**Analytical Report Number : 20-32181**  
**Project / Site name: Keir Hardie Way**

**Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)**

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Asbestos Quantification - Gravimetric	Asbestos quantification by gravimetric method - in house method based on references.	HSE Report No: 83/1996, HSG 248, HSG 264 & SCA Blue Book (draft).	A006-PL	D	ISO 17025
D.O. for Gravimetric Quant if Screen/ID positive	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE

**For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.**



**For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland.**

**Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.**





## **APPENDIX E**

# Geology 1:10,000 Maps Legends



## Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

## Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Silt	Flandrian - Pleistocene
	TRD	Tidal River Or Creek Deposits	Silt	Flandrian - Pleistocene
	TPGR	Taplow Gravel Formation	Sand and Gravel	Wolstonian - Chokierian
	ILSI	Ilford Silt Member	Silt	Saalian - Bolsovian (Westphalian C)

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay	Eocene - Eocene
	LMBE	Lambeth Group	Sand and Clay	Paleocene - Paleocene



## Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

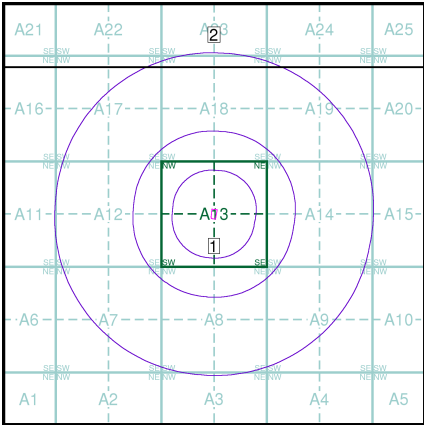
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## Geology 1:10,000 Maps Coverage

<b>Map ID:</b>	2	<b>Map ID:</b>	1
<b>Map Name:</b>	TQ48NE	<b>Map Name:</b>	TQ48SE
<b>Map Date:</b>	1994	<b>Map Date:</b>	1994
<b>Bedrock Geology:</b>	Available	<b>Bedrock Geology:</b>	Available
<b>Superficial Geology:</b>	Available	<b>Superficial Geology:</b>	Available
<b>Artificial Geology:</b>	Available	<b>Artificial Geology:</b>	Available
<b>Faults:</b>	Not Available	<b>Faults:</b>	Not Available
<b>Landslip:</b>	Not Available	<b>Landslip:</b>	Not Available
<b>Rock Segments:</b>	Not Available	<b>Rock Segments:</b>	Not Available

## Geology 1:10,000 Maps - Slice A



## Order Details

Order Number:	258290533_1_1
Customer Ref:	LS4862
National Grid Reference:	546500, 184060
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	1000

## Site Details

Keir Hardie Way, BARKING, IG11 9NU



Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)



## Artificial Ground and Landslip

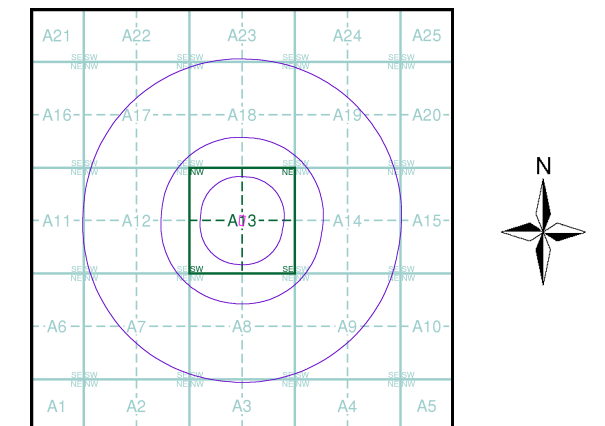
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes founded strata, where the ground has collapsed due to subsidence.

## Artificial Ground and Landslip Map - Slice A



### Order Details

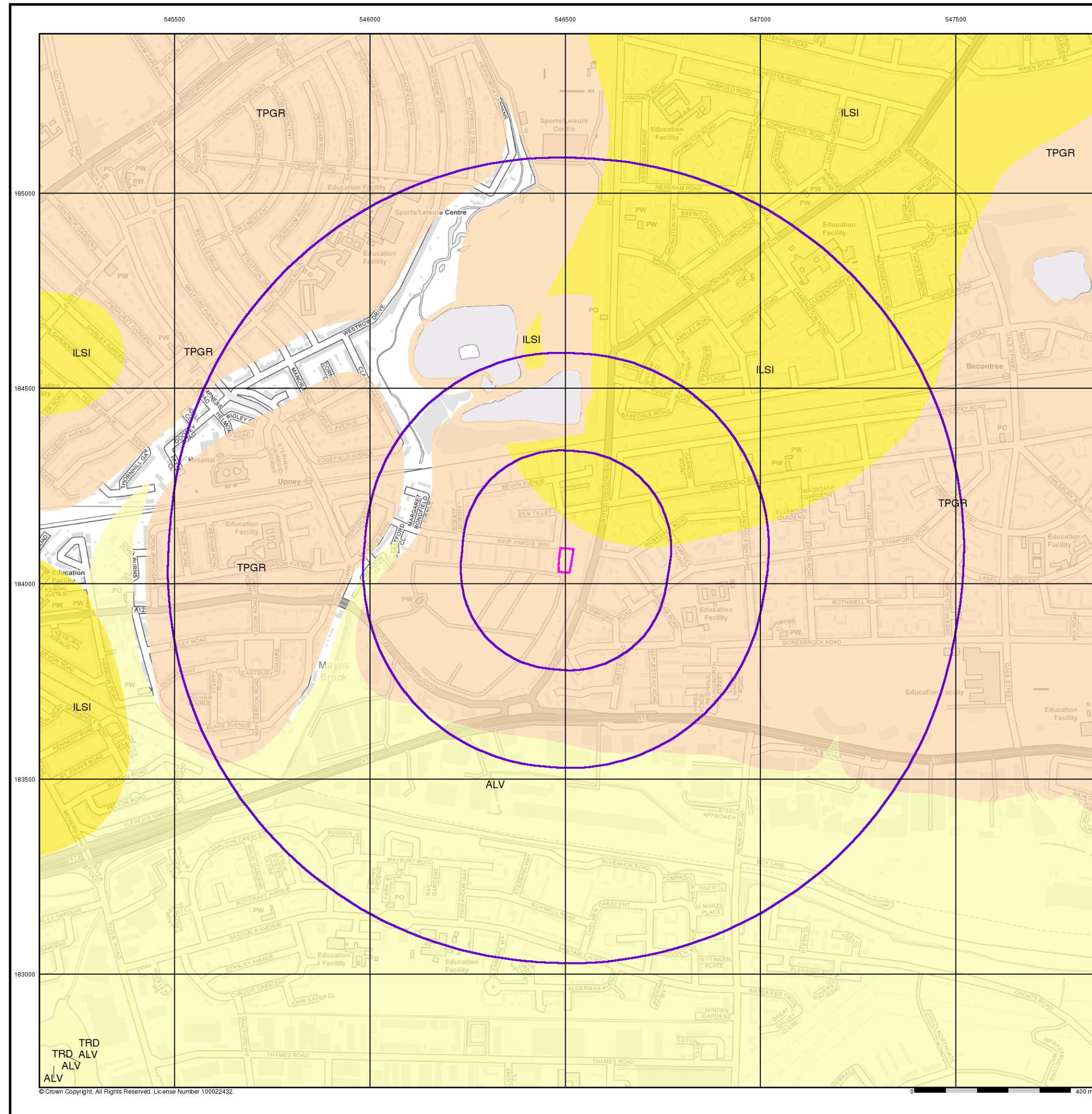
Order Number: 258290533\_1\_1  
 Customer Ref: LS4862  
 National Grid Reference: 546500, 184060  
 Slice: A  
 Site Area (Ha): 0.2  
 Search Buffer (m): 1000

### Site Details

Keir Hardie Way, BARKING, IG11 9NU







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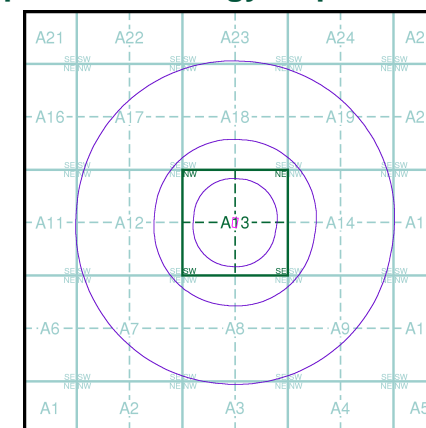
## Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

## Superficial Geology Map - Slice A



## Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

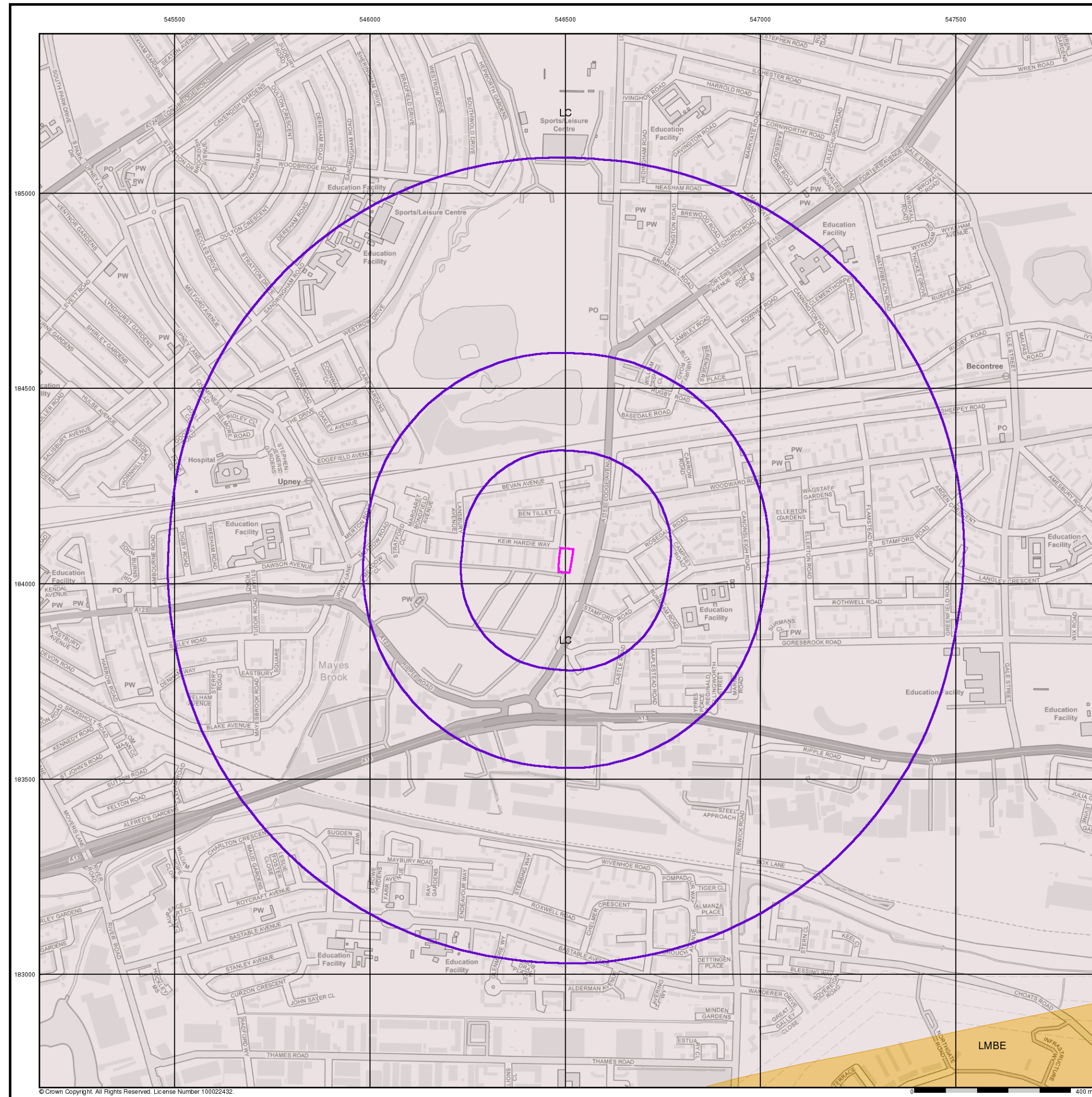
## Site Details

Keir Hardie Way, BARKING, IG11 9NU



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Fax: 0844 844 9951  
Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





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## Bedrock and Faults

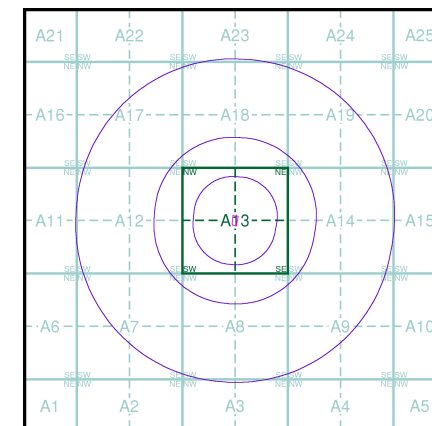
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

## Bedrock and Faults Map - Slice A



## Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

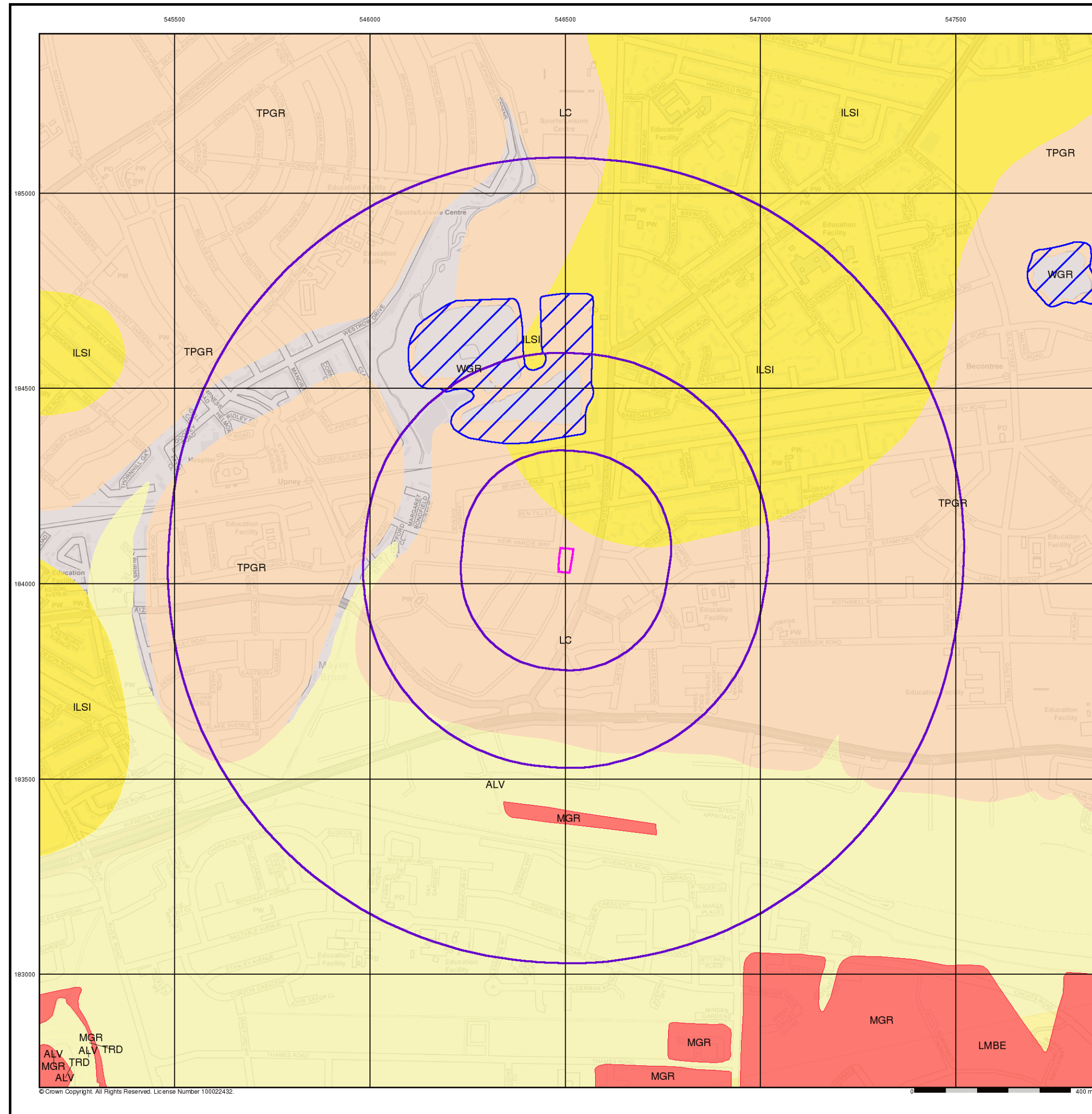
## Site Details

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## Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

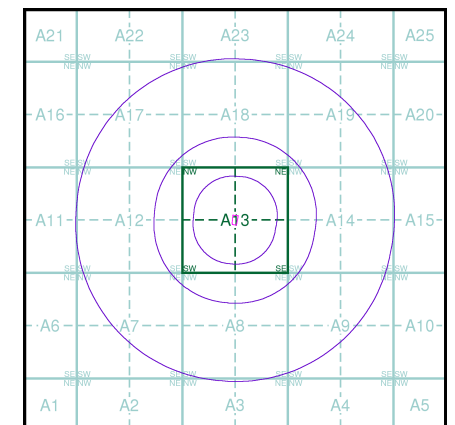
### Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
Kingsley Dunham Centre  
Keyworth  
Nottingham  
NG12 5GG  
Telephone: 0115 936 3143  
Fax: 0115 936 3276  
email: [enquiries@bgs.ac.uk](mailto:enquiries@bgs.ac.uk)  
website: [www.bgs.ac.uk](http://www.bgs.ac.uk)

## Combined Geology Map - Slice A



### Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 1000

### Site Details

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# Historical Mapping Legends

## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



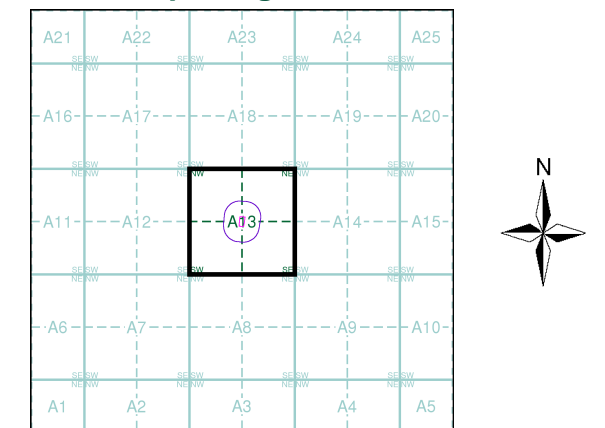
## Large-Scale National Grid Data 1:2,500 and 1:1,250



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Essex	1:2,500	1864	2
Essex	1:2,500	1864	3
Essex	1:2,500	1897	4
Essex	1:2,500	1919	5
Essex	1:2,500	1939	6
Historical Aerial Photography	1:1,250	1947	7
Ordnance Survey Plan	1:1,250	1961 - 1962	8
Ordnance Survey Plan	1:2,500	1962 - 1963	9
Ordnance Survey Plan	1:1,250	1971 - 1975	10
Supply of Unpublished Survey Information	1:1,250	1974 - 1977	11
Additional SIMs	1:1,250	1981 - 1986	12
Large-Scale National Grid Data	1:1,250	1991	13
Historical Aerial Photography	1:2,500	1999	14

## Historical Map - Segment A13



## Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

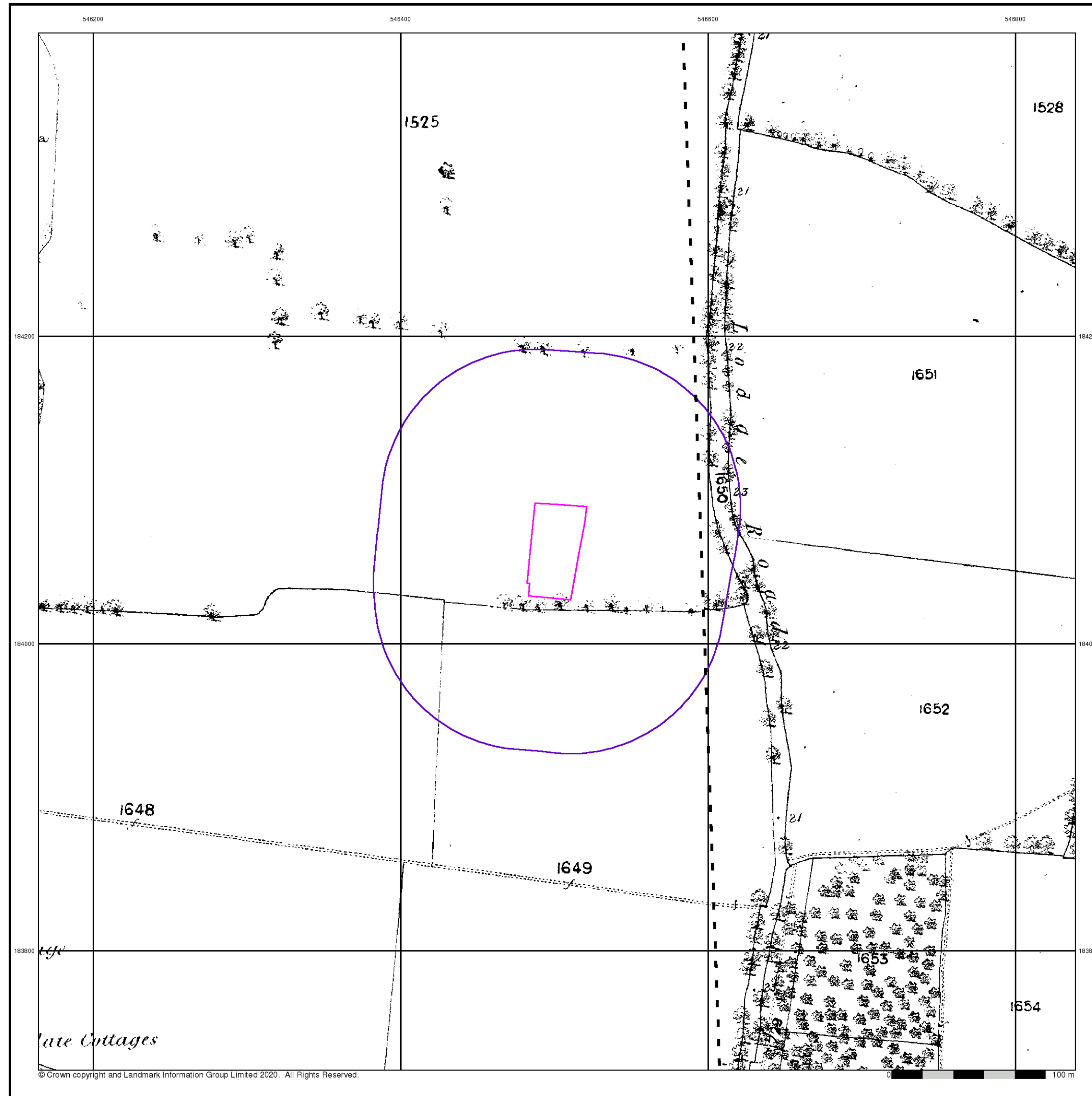
## Site Details

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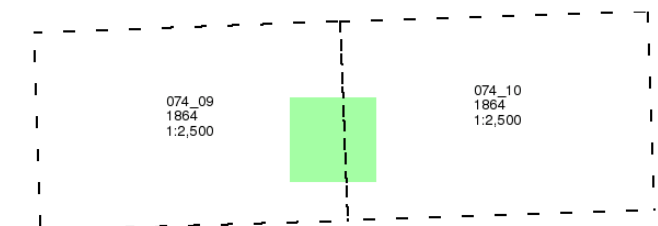
Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.envirocheck.co.uk



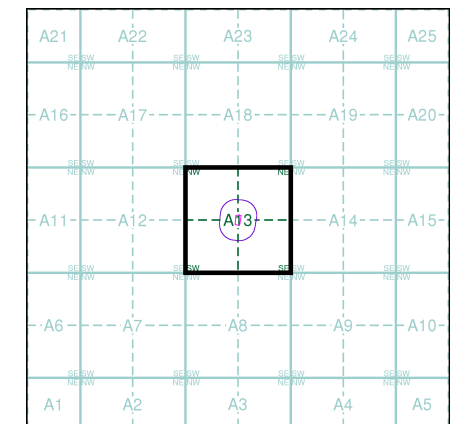


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13

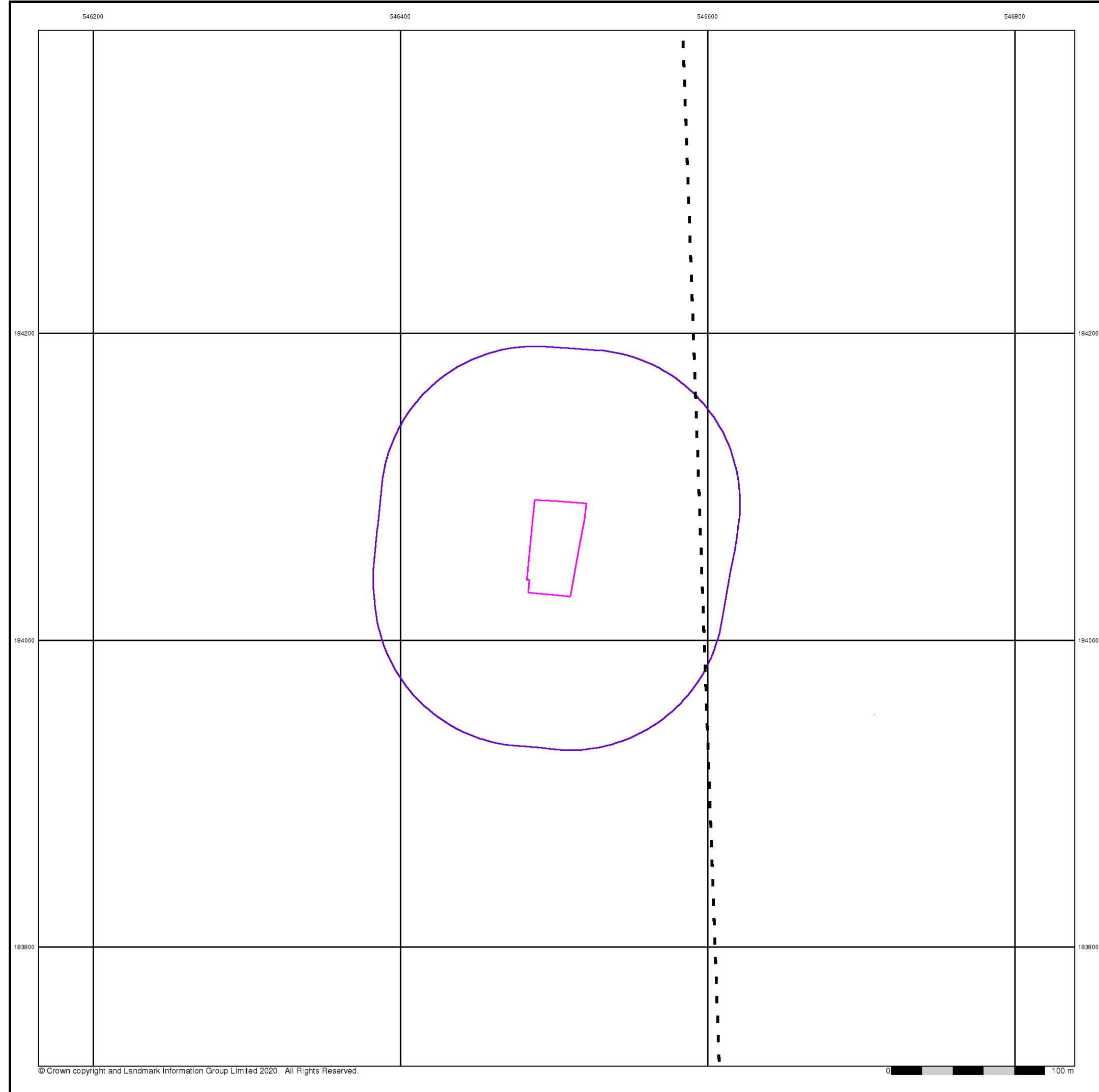



### Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

### Site Details

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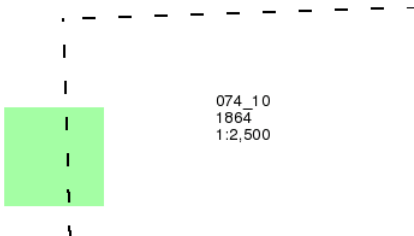
### Essex

#### Published 1864

#### Source map scale - 1:2,500


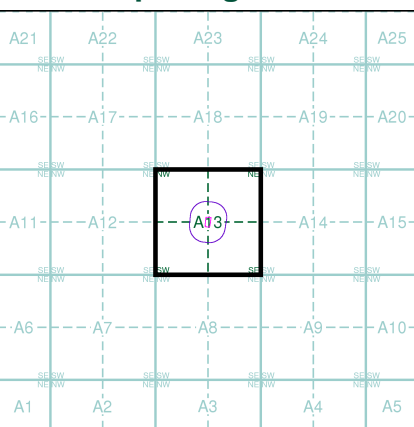
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

#### Map Name(s) and Date(s)



074\_10  
1864  
1:2,500

#### Historical Map - Segment A13




#### Order Details

Order Number:	258290533_1_1
Customer Ref:	LS4862
National Grid Reference:	546500, 184060
Slice:	A
Site Area (Ha):	0.2
Search Buffer (m):	100

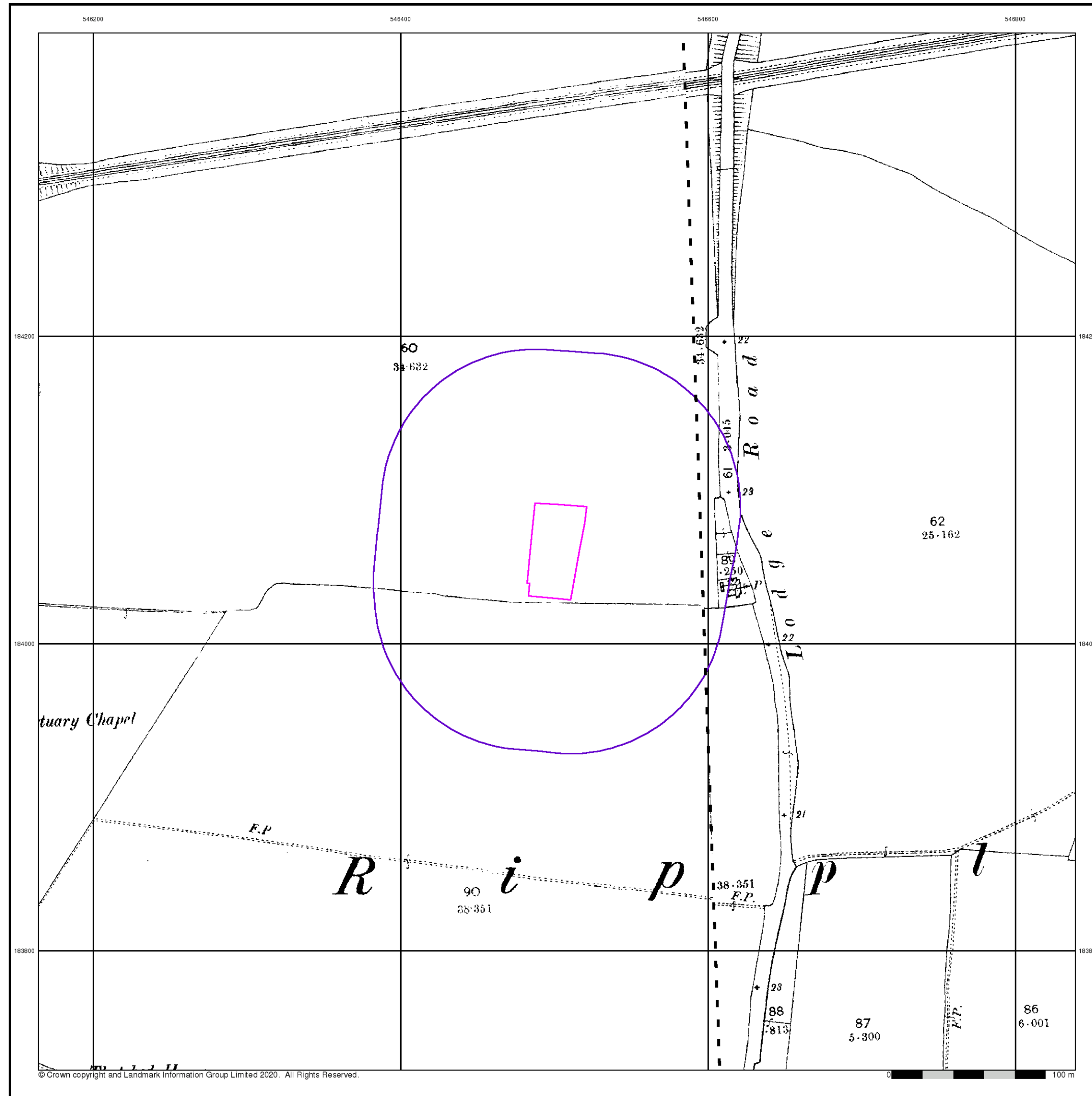
#### Site Details

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A Landmark Information Group Service v50.0 22-Sep-2020 Page 3 of 14



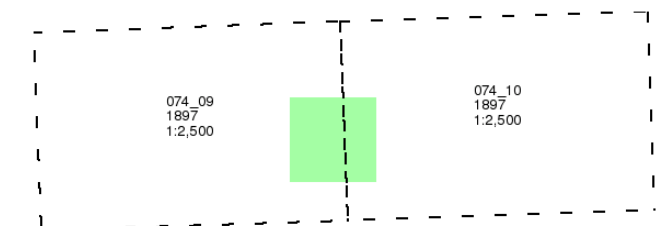
Essex

Published 1897

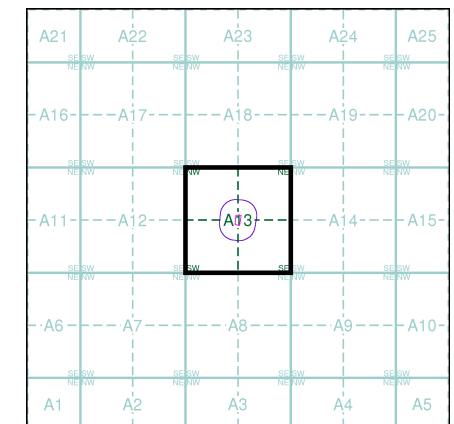
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

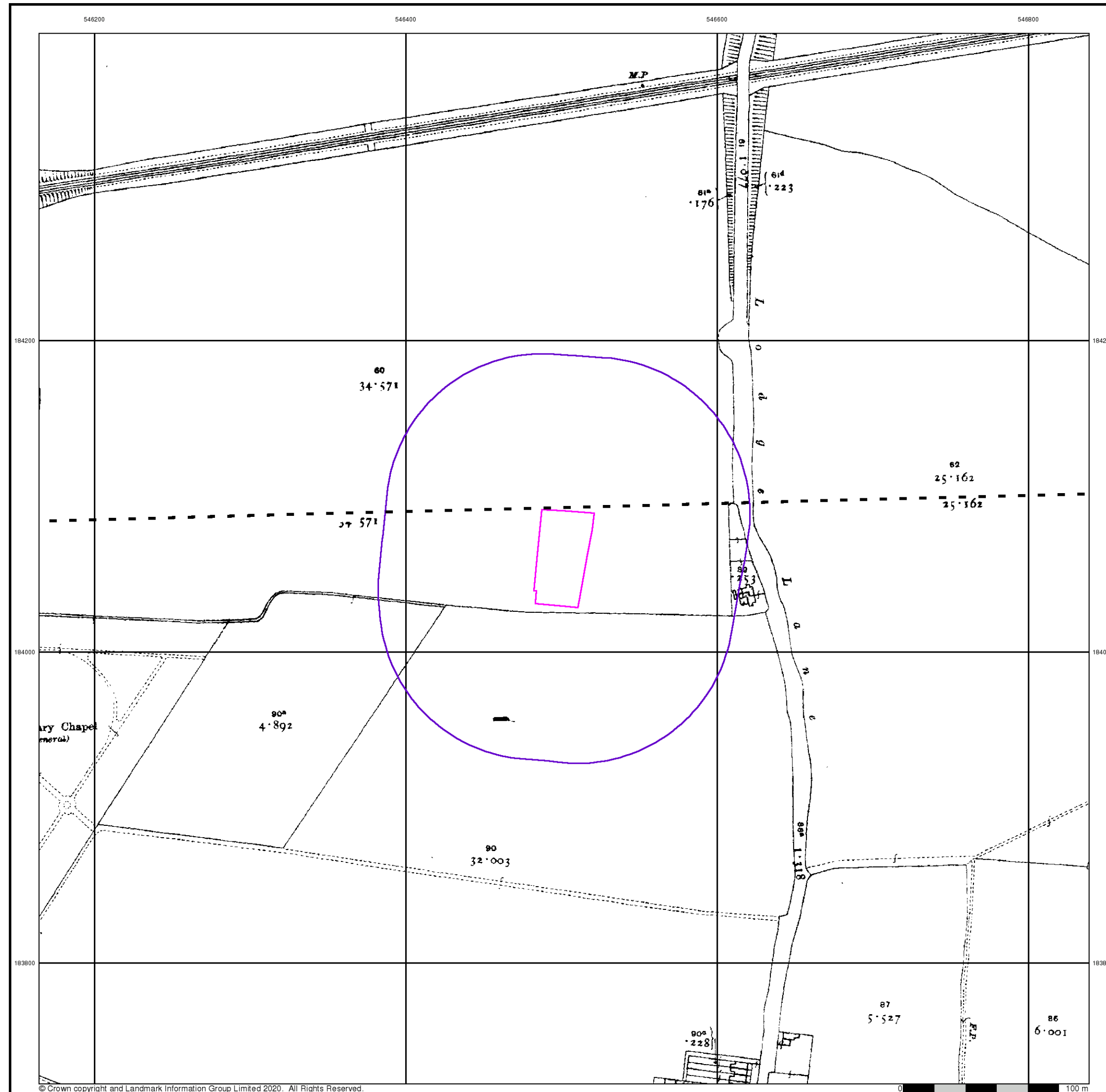
Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

### Site Details

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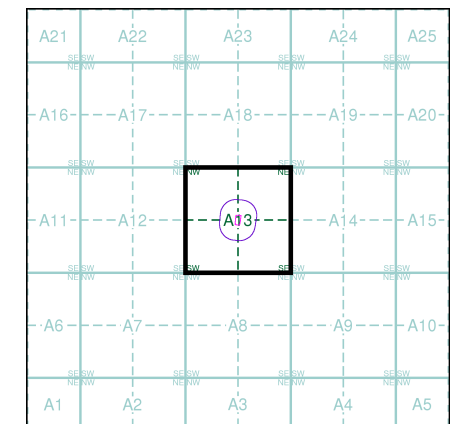
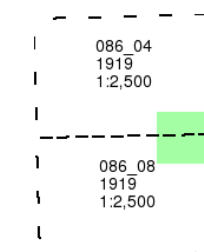


A horizontal scale bar with a black background and white markings. It is divided into four equal segments by white vertical lines. The first segment on the left is labeled '0' and the last segment on the right is labeled '100 m'.



Published 1919

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840 s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

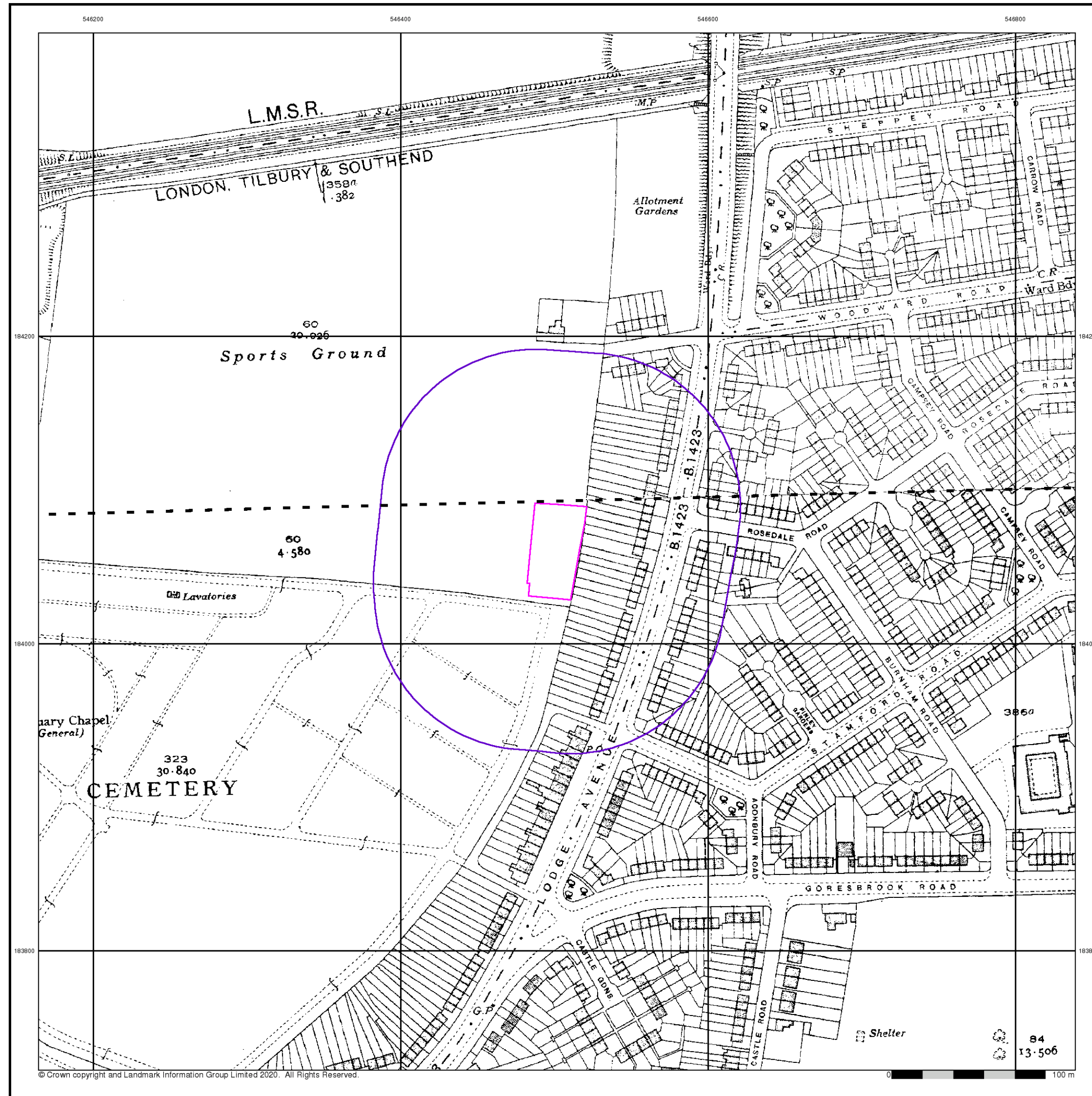


## Order Details

## Site Details

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Essex

Published 1939

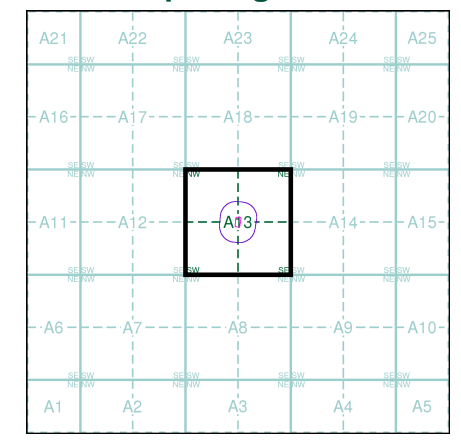
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

086_04
1939
1:2,500
086_08
1939
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

Site Details

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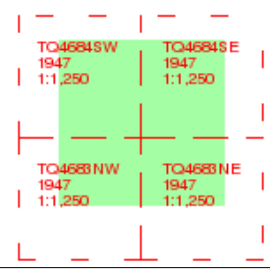




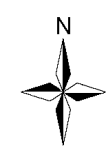
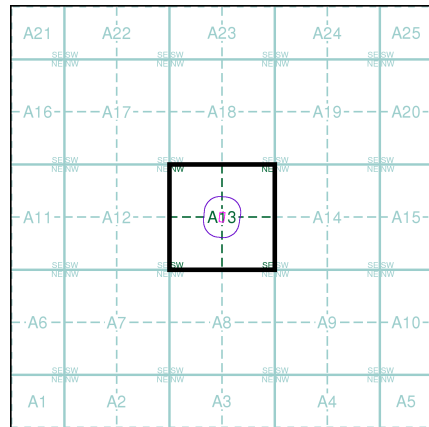
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Segment A13



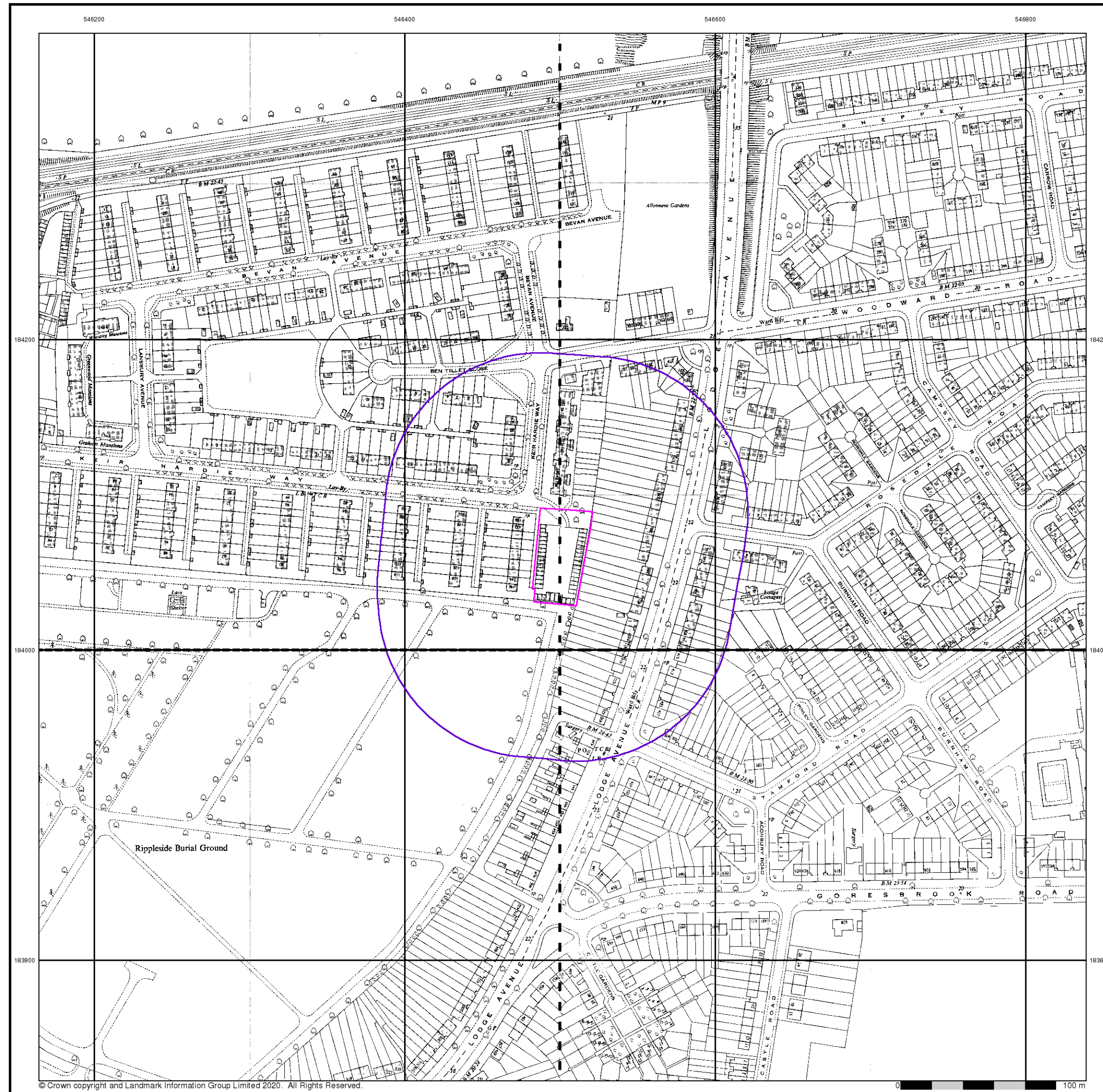
Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

Site Details

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## Ordnance Survey Plan

Published 1961 - 1962

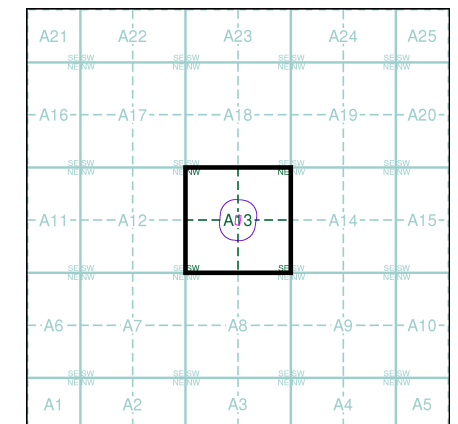
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)

TQ4684SW	TQ4684SE
1961	1961
1:1,250	1:1,250
TQ4683NW	TQ4683NE
1962	1962
1:1,250	1:1,250

### Historical Map - Segment A13



### Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

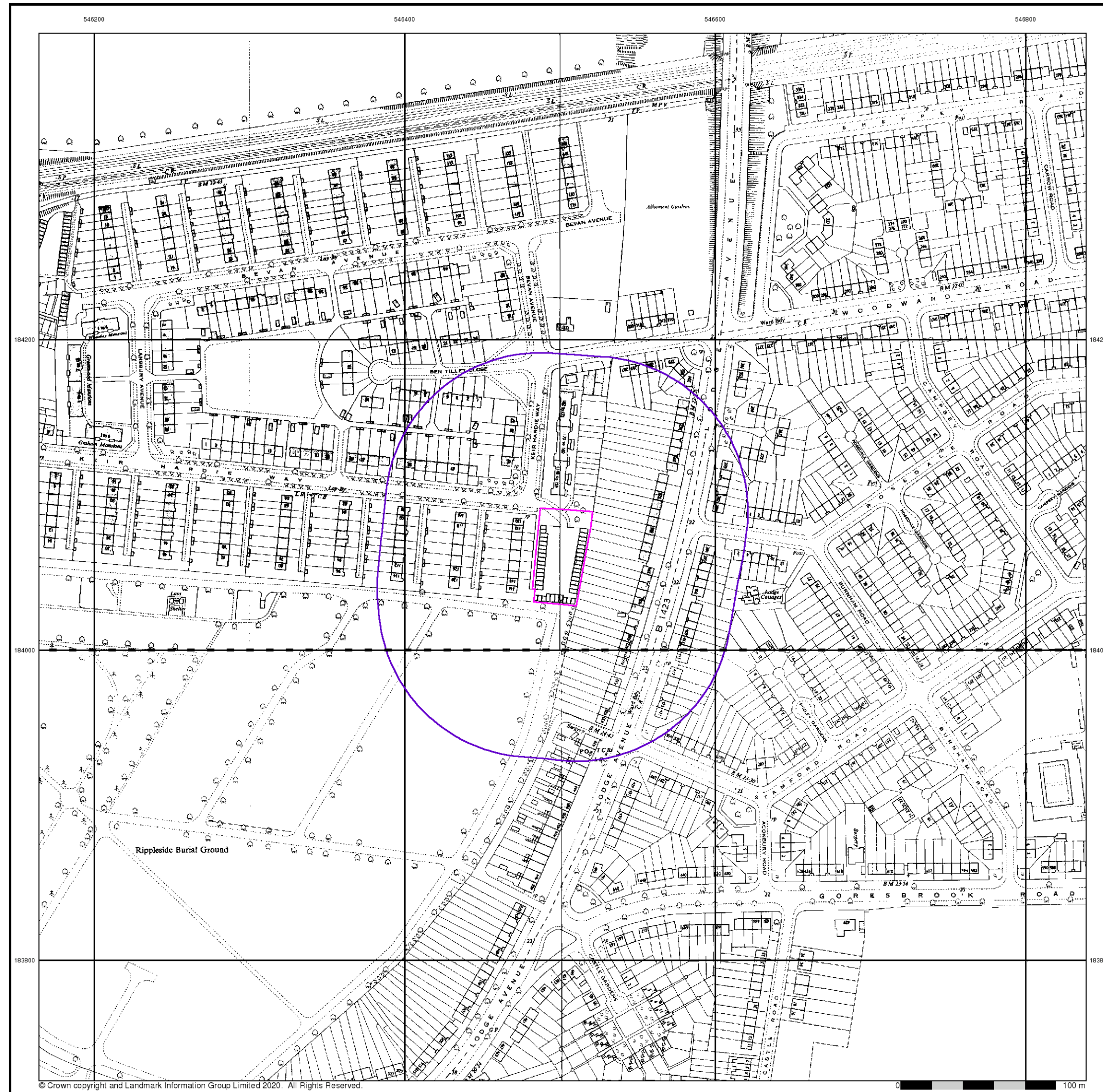
### Site Details

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Fax: 0844 844 9951  
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## Ordnance Survey Plan

Published 1962 - 1963

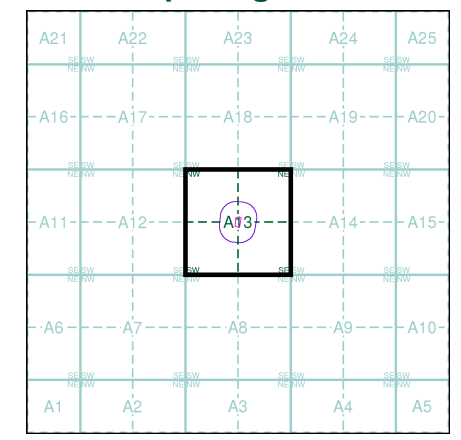
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)

TQ4684
1962
1:2,500
TQ4683
1963
1:2,500

### Historical Map - Segment A13



### Order Details

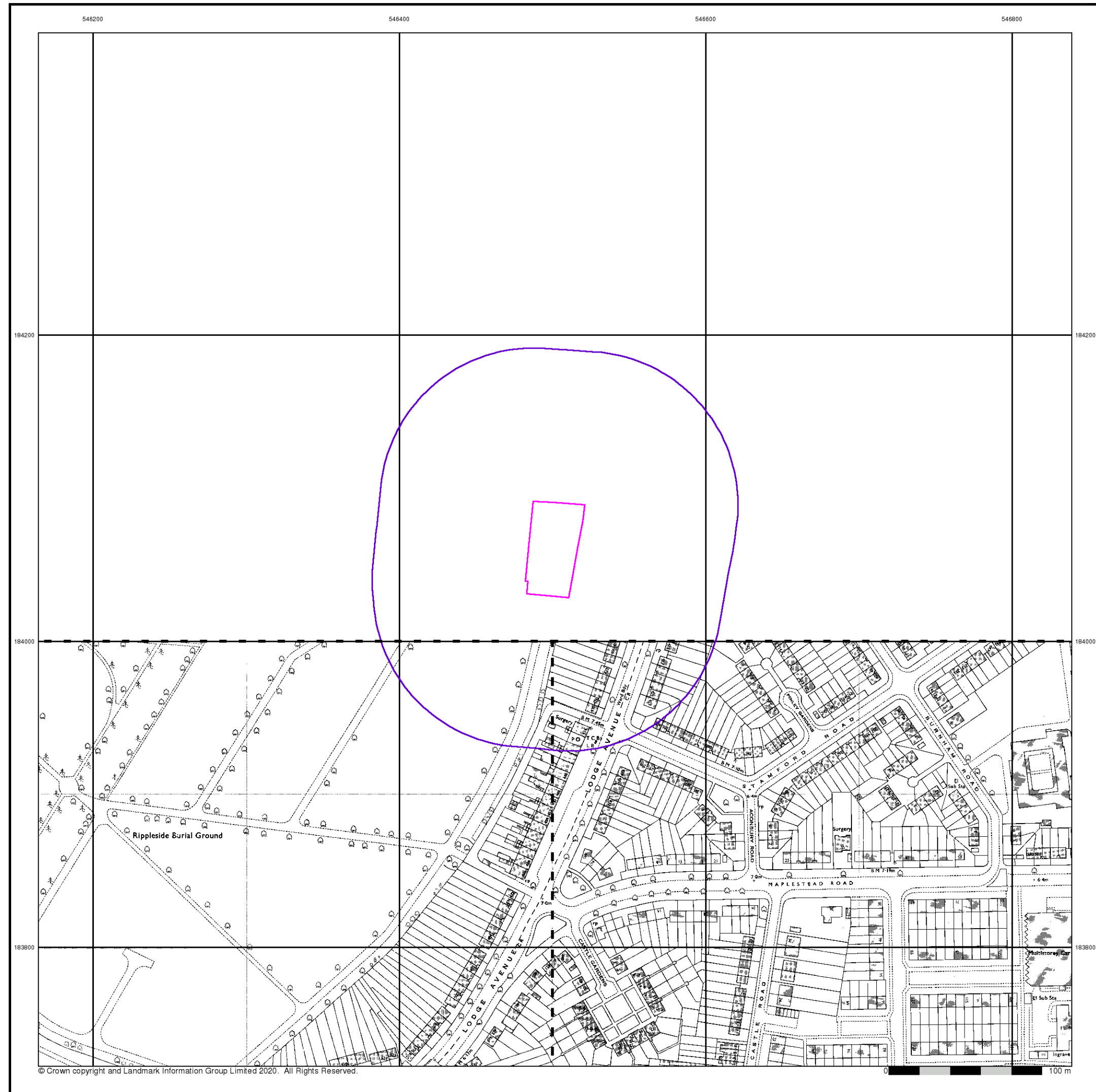
Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

### Site Details

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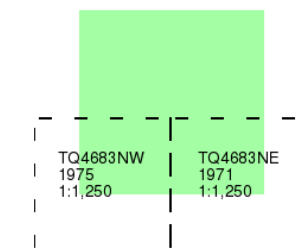
## Ordinance Survey Plan

Published 1971 - 1975

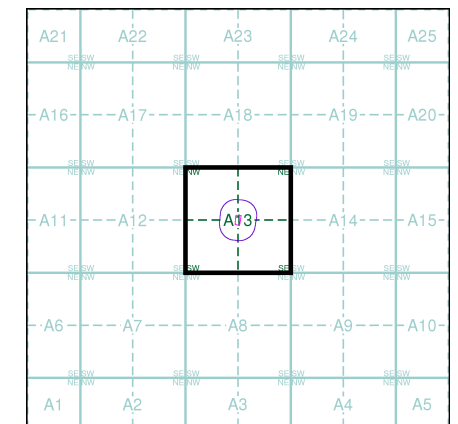
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

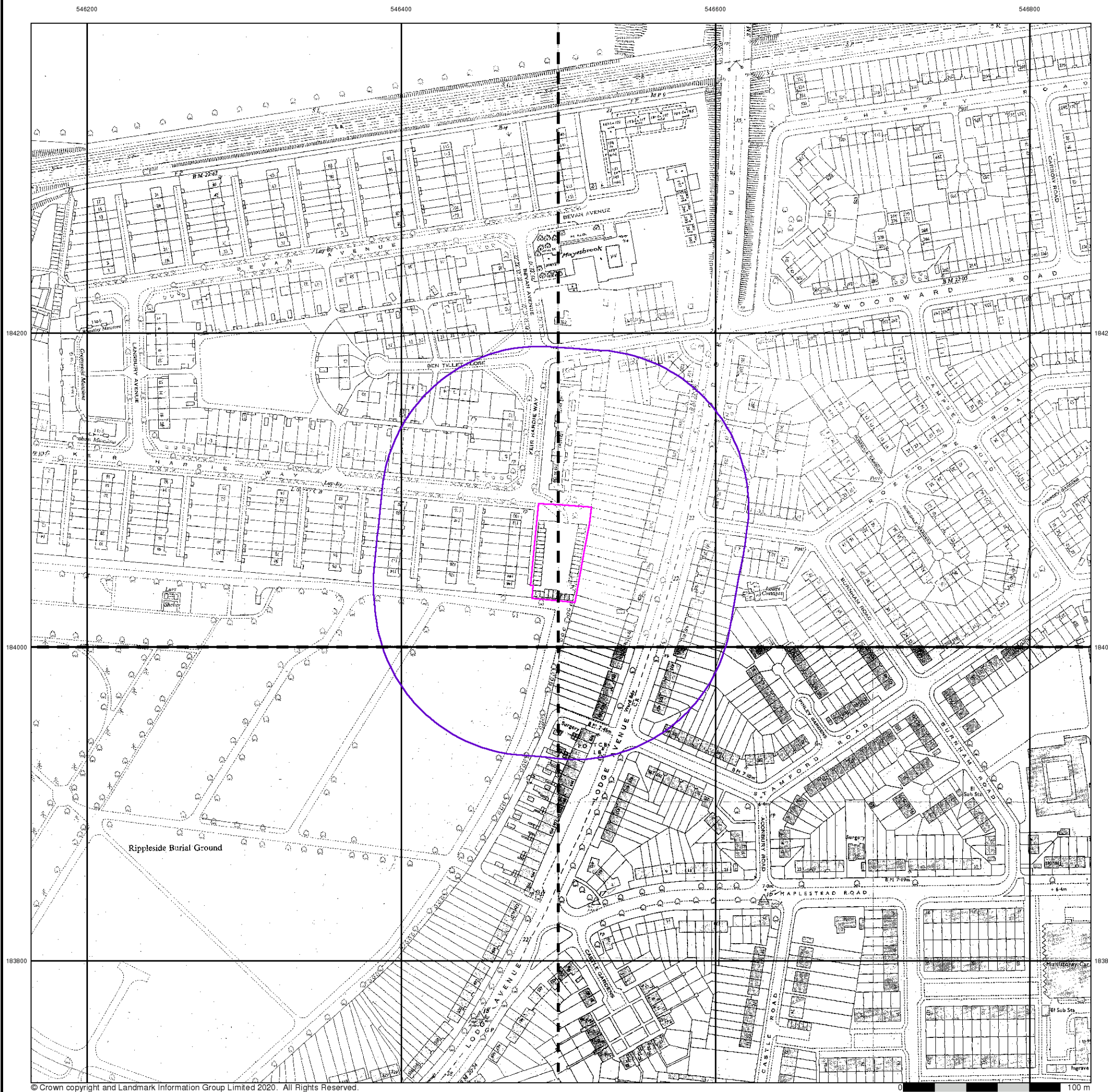
### Site Details

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## Supply of Unpublished Survey Information

Published 1974 - 1977

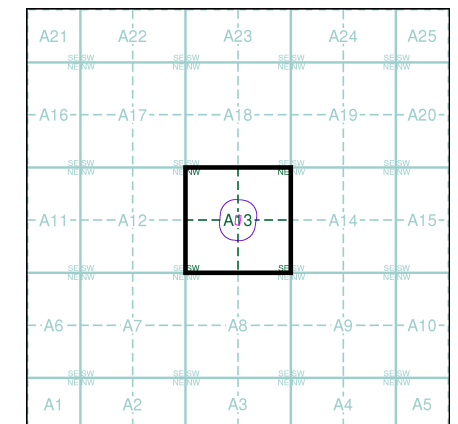
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)

TQ4684SW 1977 1:1,250	TQ4684SE 1977 1:1,250
TQ4683NW 1974 1:1,250	TQ4683NE 1974 1:1,250

### Historical Map - Segment A13



### Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

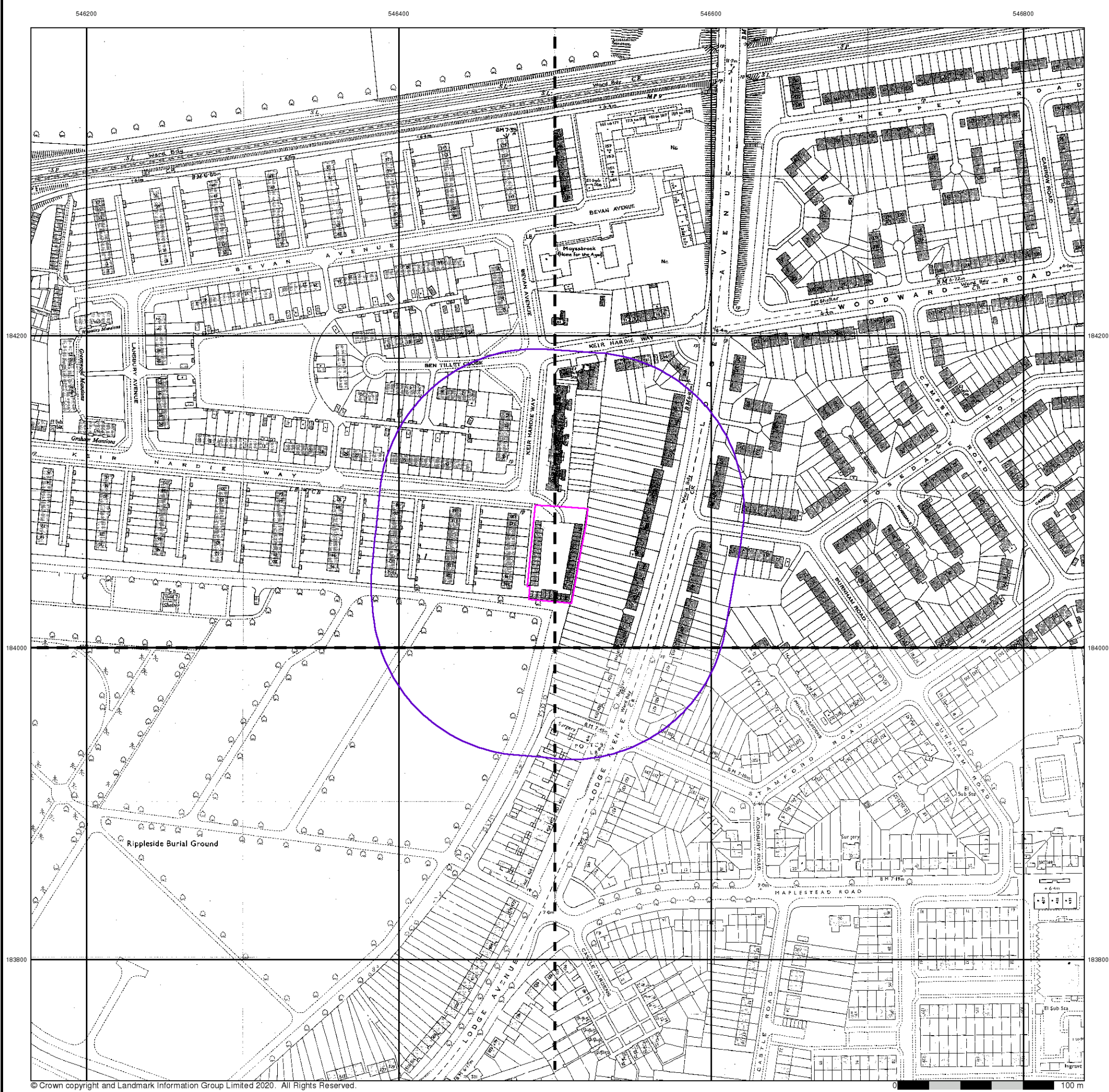
### Site Details

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





**Additional SIMs**

**Published 1981 - 1986**

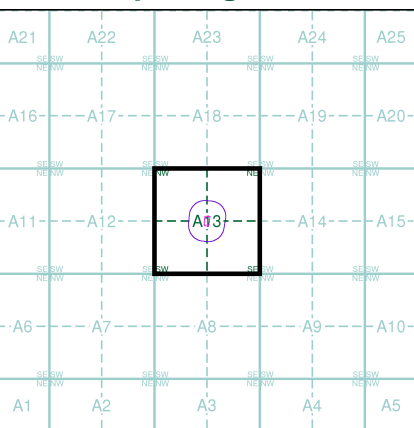
**Source map scale - 1:1,250**

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

**Map Name(s) and Date(s)**

TQ4684SW 1981 1:1,250	TQ4684SE 1981 1:1,250
TQ4683NW 1986 1:1,250	TQ4683NE 1985 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

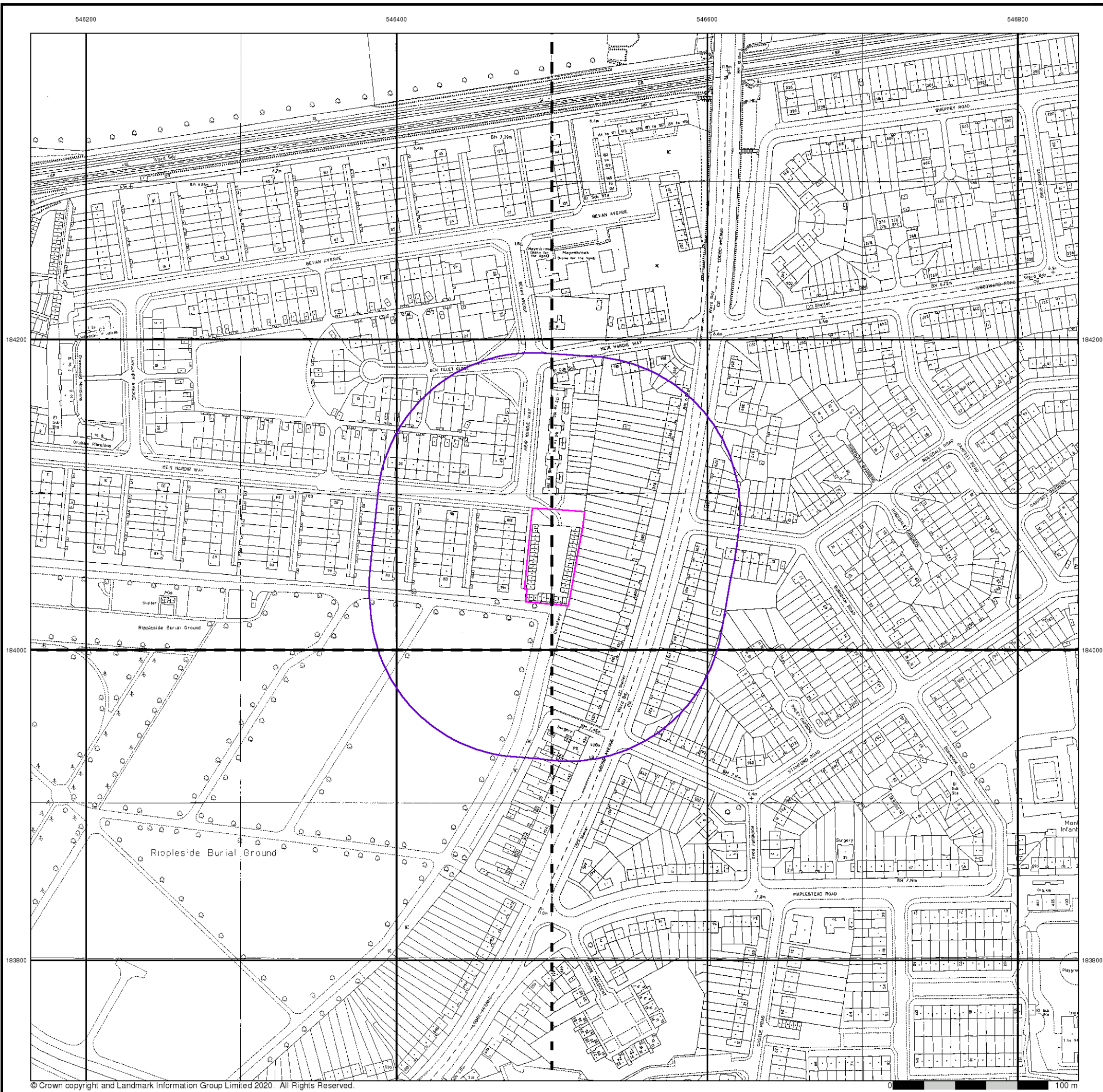
**Site Details**

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**Large-Scale National Grid Data**

**Published 1991**

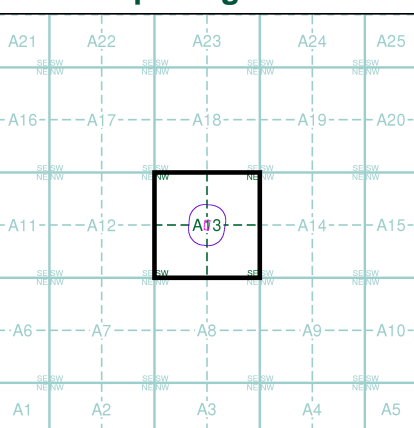
**Source map scale - 1:1,250**

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

**Map Name(s) and Date(s)**

TQ4684SW 1991 1:1,250	TQ4684SE 1991 1:1,250
TQ4683NW 1991 1:1,250	TQ4683NE 1991 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

**Site Details**

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546200

546400

546600

546800

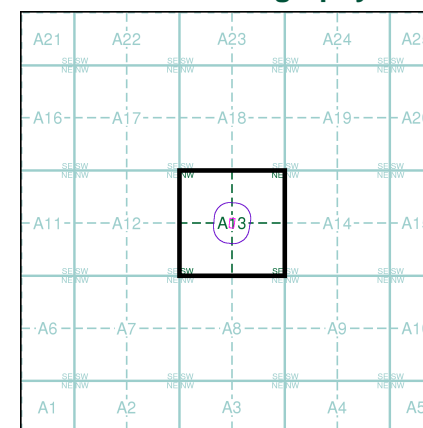
Land  
Science

## Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### Historical Aerial Photography - Segment A13



### Order Details

Order Number: 258290533\_1\_1  
Customer Ref: LS4862  
National Grid Reference: 546500, 184060  
Slice: A  
Site Area (Ha): 0.2  
Search Buffer (m): 100

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## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

258290533\_1\_1

**Customer Reference:**

LS4862

**National Grid Reference:**

546500, 184060

**Slice:**

A

**Site Area (Ha):**

0.2

**Search Buffer (m):**

1000

#### Site Details:

Keir Hardie Way

BARKING

IG11 9NU

#### Client Details:

Mr E Toms

Land Science Brighton Ltd

The Old Police Station

Jobs Lane

Sayers Common

West Sussex

BN6 9HE

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## Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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## Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	14
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5			8	34
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11			Yes	
Pollution Incidents to Controlled Waters	pg 11			1	17
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 14				1
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 14				3
Water Abstractions	pg 15				(*10)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 18			8	48



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
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Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 25			2	5
Local Authority Landfill Coverage	pg 26	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 26			1	1
Potentially Infilled Land (Non-Water)	pg 26				1
Potentially Infilled Land (Water)	pg 26			6	30
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 28				9
Registered Waste Treatment or Disposal Sites	pg 31				1
<b>Hazardous Substances</b>					
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Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 32	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry					
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 32			Yes	Yes
BGS Urban Soil Chemistry Averages	pg 35	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 35	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 35	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 35	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 35		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 37		5	32	188
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Points of Interest - Commercial Services	pg 56		2	8	107
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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
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Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 74			1	
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Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (E)	0	1	546501 184061
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	0	1	546500 184061
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	138	1	546350 184100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (W)	237	1	546250 184100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	317	1	546800 183900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (W)	383	1	546100 184050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	403	1	546100 184200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	458	1	546950 183900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	483	1	546000 184061
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	486	1	546000 184100
1	<b>Discharge Consents</b> Operator: Hays Network Distribution Property Type: Undefined Or Other Location: Pooles Land, Ripple Road, Dagenham, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CELR.0130 Permit Version: 1 Effective Date: 14th January 1964 Issued Date: 14th January 1964 Revocation Date: 10th May 2012 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Tributaries of Goresbrook <b>Status: Revoked under EPR 2010</b> Positional Accuracy: Located by supplier to within 100m	A8NW (S)	342	2	546400 183700
2	<b>Discharge Consents</b> Operator: Amalgamated Investment & Property Co Ltd Property Type: SHOP INCL GARDEN CENTRE/RETAIL TRADE(NOT MOTOR VEHICLE) Location: Barking Trading State, Ripple Road, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ceur.0125 Permit Version: 1 Effective Date: 19th November 1970 Issued Date: 19th November 1970 Revocation Date: 26th July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Moggs Farm Sewer <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A8NE (SE)	469	2	546700 183600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<b>Discharge Consents</b> Operator: Barking Borough Council Property Type: Undefined Or Other Location: Meyesbrook Meadow, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cejr.0040 Permit Version: 1 Effective Date: 20th June 1961 Issued Date: 20th June 1961 Revocation Date: 19th May 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Mayesbrook <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A18SW (N)	609	2	546500 184700
4	<b>Discharge Consents</b> Operator: Regent Transport Ltd Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Industrial Development, Renwickroad, Barking, Essex, Ig11 0sq Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ceqr.0010 Permit Version: 1 Effective Date: 23rd January 1967 Issued Date: 23rd January 1967 Revocation Date: 3rd June 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ship And Shovel Sewer <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A9NW (SE)	657	2	546900 183500
5	<b>Discharge Consents</b> Operator: Ocean Preserving Company Ltd Property Type: Undefined Or Other Location: Alfred'S Way, Barking, Essex, Ig11 0at Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cehr.0005 Permit Version: 1 Effective Date: 26th February 1960 Issued Date: 26th February 1960 Revocation Date: 3rd June 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Roundabout Watercourse <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A8NW (SW)	692	2	546200 183400
6	<b>Discharge Consents</b> Operator: Thames Water Utilities Limited. Property Type: WAREHOUSING + SUPPORT ACTIVITIES FOR TRANSPORTATION Location: Container Depot, Renwick Road, Barking, Essex, Ig11 0sq Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CEVR.0097 Permit Version: 1 Effective Date: 17th August 1971 Issued Date: 17th August 1971 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ship & Shovel Sewer <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Manually corrected supplier location	A9NW (SE)	739	2	546900 183401

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<b>Discharge Consents</b> Operator: Overseas Containers Ltd Property Type: SALE OF MOTOR VEHICLES/MAINTENANCE + REPAIR Location: Trailer Park Area, Renwick Road, Barking, Essex, Ig11 0sq Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctlr.0001 Permit Version: 1 Effective Date: 9th May 1974 Issued Date: 9th May 1974 Revocation Date: 22nd May 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ship And Shovel Sewer <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A9NW (SE)	740	2	546900 183400
6	<b>Discharge Consents</b> Operator: William Redfern Ltd Property Type: Undefined Or Other Location: Renwick Road, Barking, Essex, Ig11 0sq Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cejr.0042 Permit Version: 1 Effective Date: 20th June 1961 Issued Date: 20th June 1961 Revocation Date: 3rd June 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Moggs Farm Sewer <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A9NW (SE)	740	2	546900 183400
7	<b>Discharge Consents</b> Operator: Barking Borough Council Property Type: Undefined Or Other Location: The Drive, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cekr.0098 Permit Version: 1 Effective Date: 21st December 1962 Issued Date: 21st December 1962 Revocation Date: 8th April 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Mayesbrook <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A17SW (NW)	754	2	545800 184400
7	<b>Discharge Consents</b> Operator: Barking Borough Council Property Type: Undefined Or Other Location: The Drive, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cekr.0058 Permit Version: 1 Effective Date: 12th July 1962 Issued Date: 12th July 1962 Revocation Date: 8th April 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Mayesbrook <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A17SW (NW)	754	2	545800 184400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>Discharge Consents</b> Operator: Railtrack Property Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Roding Marshalling Yard, Rippleroad, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ceur.0147 Permit Version: 1 Effective Date: 12th January 1971 Issued Date: 12th January 1971 Revocation Date: 28th September 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Moggs Farm Sewer <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A12SW (W)	794	2	545700 183900
8	<b>Discharge Consents</b> Operator: E.F. Smith ( Storage And Wharfingers ) Ltd Property Type: Undefined Or Other Location: Junction Of Ripple Road / Renwick Road, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cejr.0018 Permit Version: 1 Effective Date: 5th June 1961 Issued Date: 5th June 1961 Revocation Date: 3rd June 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Ship And Shovel Sewer <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A12SW (W)	794	2	545700 183900
9	<b>Discharge Consents</b> Operator: Fairview Estates ( Enfield ) Ltd Property Type: Undefined Or Other Location: Manor Way, Dagenham, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cexr.0095 Permit Version: 1 Effective Date: 11th July 1973 Issued Date: 11th July 1973 Revocation Date: 14th January 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Pooles Sewer <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A17SW (NW)	800	2	545800 184500
10	<b>Discharge Consents</b> Operator: London Borough Of Barking Property Type: Undefined Or Other Location: The Drive Entrance, Mayesbrook Park, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cetr.0181 Permit Version: 1 Effective Date: 14th October 1969 Issued Date: 14th October 1969 Revocation Date: 8th April 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Mayesbrook <b>Status: Authorisation revoked</b> Positional Accuracy: Manually corrected supplier location	A18NW (N)	809	2	546500 184900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<b>Discharge Consents</b> Operator: Waste Recycling Group (Central) Ltd Property Type: WASTE COLLECTION/TREATMENT/DISPOSAL/MATERIALS RECOVERY Location: Former Leca Works Ongar Landfill Mill Lane High Ongar Essex Cm5 9rh Authority: Environment Agency, Thames Region Catchment Area: Thames Reference: CATM.3656 Permit Version: 1 Effective Date: 22nd April 1999 Issued Date: 27th April 1999 Revocation Date: 14th September 2005 Discharge Type: Waste Site - Domestic Landfill Tip Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Roding <b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	818	2	545811 184550
12	<b>Discharge Consents</b> Operator: Nuttall Wayss & Freytag Kier Jv Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Land South West Of Barking Industrial Site, Adjacent To A13, Ripple Road, Barking, Essex Authority: Environment Agency, Thames Region Catchment Area: Thames Reference: CATM.3627 Permit Version: 1 Effective Date: 15th January 1999 Issued Date: 5th May 1999 Revocation Date: 20th August 2002 Discharge Type: Miscellaneous Discharges - Mine / Groundwater As Raised Discharge: Freshwater Stream/River Environment: Receiving Water: The Mayes Brook <b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	874	2	545800 184630
13	<b>Local Authority Pollution Prevention and Controls</b> Name: Bp Ripple Service Station Location: 165 Alfreds Way, BARKING, Essex, IG11 0AT Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/006377 Dated: 13th April 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status:</b> <b>Permitted</b> Positional Accuracy: Manually positioned to the address or location	A8NW (SW)	426	3	546261 183668
14	<b>Local Authority Pollution Prevention and Controls</b> Name: Thatched House Service Station Location: Ripple Road, BARKING, Essex, IG11 9PG Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: PPC/53/98 Dated: 8th December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status:</b> <b>Permitted</b> Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	427	3	546206 183707
14	<b>Local Authority Pollution Prevention and Controls</b> Name: Shell Uk Ltd Location: 514 Ripple Road, BARKING, Essex, IG11 9PG Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/006383 Dated: 9th February 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status:</b> <b>Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	460	3	546160 183704



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<b>Local Authority Pollution Prevention and Controls</b> Name: Map Plant Ltd Location: Brunswick House, Ripple Road, Barking, Ig11 0sl Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/008747 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A8NE (S)	442	3	546607 183598
16	<b>Local Authority Pollution Prevention and Controls</b> Name: Tesco Stores Ltd Location: 632 Ripple Road, Barking, Ig11 9pg Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/006392 Dated: 3rd October 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	457	3	546209 183666
16	<b>Local Authority Pollution Prevention and Controls</b> Name: Tesco Stores Ltd Location: 632 Ripple Road, Barking, Ig11 9pg Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: Not Supplied Dated: 3rd October 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	457	3	546209 183666
16	<b>Local Authority Pollution Prevention and Controls</b> Name: Dagenham Motors Ltd Location: Ford House, Ripple Road, Barking, Essex, Ig11 9pg Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/006366 Dated: 13th August 1992 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	459	3	546206 183666
17	<b>Local Authority Pollution Prevention and Controls</b> Name: China Square Location: 640 Ripple Road, Barking, Ig11 0ru Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/009242 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Application exempt from APC</b> Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	484	3	546733 183599
18	<b>Local Authority Pollution Prevention and Controls</b> Name: Dagenham Motors Location: Ripple Road, Barking, IG11 9PG Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014943 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Site Closed</b> Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	547	3	545997 183780
18	<b>Local Authority Pollution Prevention and Controls</b> Name: Ford Retail Ltd T/A Trustford Location: Ripple Road, Barking, IG11 9PG Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/011639 Dated: 24th June 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	565	3	545962 183814

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>Local Authority Pollution Prevention and Controls</b> Name: C & D Services Ltd Location: Unit 80 Barking Industrial Park, Alfreds Way, Barking, IG11 0Tj Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/015035 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	570	3	546038 183676
19	<b>Local Authority Pollution Prevention and Controls</b> Name: C&D Accident Repairs Location: Unit 80 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/010375 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	575	3	546034 183673
19	<b>Local Authority Pollution Prevention and Controls</b> Name: Daves Bodywork Location: Unit 86 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/015036 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	575	3	546034 183673
19	<b>Local Authority Pollution Prevention and Controls</b> Name: C.W. Services Location: Unit 80 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014976 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	576	3	546037 183668
19	<b>Local Authority Pollution Prevention and Controls</b> Name: D.C. Coachworks Location: Unit 86 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014977 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	576	3	546037 183668
20	<b>Local Authority Pollution Prevention and Controls</b> Name: A.C.L. Autos Location: Unit 71a Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014975 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	574	3	545993 183733
20	<b>Local Authority Pollution Prevention and Controls</b> Name: R.J. Stevens Location: Unit 74 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014979 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	574	3	545993 183733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<b>Local Authority Pollution Prevention and Controls</b> Name: Auto Stop Location: 429 Porters Avenue, Dagenham, RM9 4ND Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014959 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A18SE (N)	590	3	546735 184639
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Puaar Accident Repair Centre Location: Unit 55 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014978 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	622	3	545993 183649
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Stuart Eva Location: Unit 56 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/01980 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	624	3	545993 183646
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Premier Car Body Repairs Location: Unit 70a Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/015034 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	624	3	545994 183644
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Swift Location: 67a Unit Barking Industrial, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014940 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	625	3	545985 183654
22	<b>Local Authority Pollution Prevention and Controls</b> Name: C B Autos Location: Unit 70b Barking Industrial Estate, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014941 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Application exempt from APC</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	625	3	545985 183654
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Stevens & Gill Panelcraft Location: Unit 54 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014970 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	625	3	545985 183654

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Ajay Autos Location: Unit 69 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014971 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	625	3	545985 183654
22	<b>Local Authority Pollution Prevention and Controls</b> Name: C B Autos Location: U 70b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/015016 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	625	3	545985 183654
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Not Supplied Location: Unit 69b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/018637 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Application Not Yet Authorised</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	625	3	545985 183654
22	<b>Local Authority Pollution Prevention and Controls</b> Name: Colourange Coatings Ltd Location: Unit 48-52 Barking Industrial Park, Alfreds Way, BARKING, Essex, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: Epa/31/1992 Dated: 3rd May 1994 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic <b>Status: Not Supplied</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	629	3	545985 183648
23	<b>Local Authority Pollution Prevention and Controls</b> Name: Car Care Location: Alfreds Way, Barking, IG11 0AS Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014942 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Application exempt from APC</b> Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	633	3	546056 183564
24	<b>Local Authority Pollution Prevention and Controls</b> Name: Sprayrite Panel Craft Location: Unit 40 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014974 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	668	3	545934 183651
24	<b>Local Authority Pollution Prevention and Controls</b> Name: Sira Motors Location: Unit 42 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014981 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	679	3	545935 183631



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Local Authority Pollution Prevention and Controls</b> Name: S C Refinishing Ltd Location: Unit 39b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/015033 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	683	3	545928 183634
25	<b>Local Authority Pollution Prevention and Controls</b> Name: Shell Uk Ltd Location: 467 Ripple Road, Barking, IG11 9qz Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M006387/WO1/58/05 Dated: 30th September 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A12SW (W)	703	3	545782 183983
26	<b>Local Authority Pollution Prevention and Controls</b> Name: Thompson Motors Location: Unit 21 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014972 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	732	3	545885 183609
26	<b>Local Authority Pollution Prevention and Controls</b> Name: A & A Motors Location: Unit 18 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014973 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	732	3	545885 183609
26	<b>Local Authority Pollution Prevention and Controls</b> Name: Automech Services Location: Unit 19a Barking Industrial Estate, Alfreds Way, Barking, IG11 0TJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014939 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	737	3	545877 183613
27	<b>Local Authority Pollution Prevention and Controls</b> Name: R J Coaches Location: Unit 16 Rippleside Commerical, Ripple Road, Barking, IG11 0RJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/015041 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	853	3	547156 183472
28	<b>Local Authority Pollution Prevention and Controls</b> Name: Mayesbrook Comprehensive School Location: Cannington Road, Dagenham, RM9 4BP Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	868	3	547105 184731

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<b>Local Authority Pollution Prevention and Controls</b> Name: S B S Eclipse Ltd Location: Unit 13 Rippleside Commercial, Ripple Road, Barking, IG11 0RJ Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/014947 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	880	3	547210 183495
29	<b>Local Authority Pollution Prevention and Controls</b> Name: Aoc Interiors Ltd Location: Unit 10 Rippleside Commercial, Rippleside Road, Barking, Ig11 0rj Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/009035 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning <b>Status: Permitted</b> Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	915	3	547216 183446
30	<b>Local Authority Pollution Prevention and Controls</b> Name: Lords Linen Services Ltd Location: Unit 6 Rippleside Commercial, Rippleside Road, Barking, Ig11 0rj Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/009206 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning <b>Status: Permitted</b> Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	921	3	547271 183510
31	<b>Local Authority Pollution Prevention and Controls</b> Name: Thames Laundrette Location: 2 Farr Avenue, Barking, Essex, IG11 Authority: London Borough of Barking And Dagenham, Environmental Health Department Permit Reference: M/007048 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning <b>Status: Application exempt from APC</b> Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	941	3	546094 183175
	<b>Nearest Surface Water Feature</b>	A18SW (N)	316	-	546500 184407
32	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Alfreds Way, BARKING Authority: Environment Agency, Thames Region Pollutant: General Note: Confirmed incident Incident Date: 2nd May 1999 Incident Reference: THNE1999042823 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	379	2	546300 183700
33	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Mayesbrook Park Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Natural Note: Not Supplied Incident Date: 21st May 1998 Incident Reference: 38871 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	509	2	546500 184600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BARKING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 23rd September 1993 Incident Reference: NE930661 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	530	2	546150 184500
35	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Renwick Road, BARKING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 13th August 1991 Incident Reference: NE910407 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	541	2	547000 183800
36	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Mayes Brook Park, BARKING Authority: Environment Agency, Thames Region Pollutant: General Note: Not Supplied Incident Date: 4th September 1998 Incident Reference: THNE1998040474 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	543	2	546300 184600
37	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Mayesbrook Park, BARKING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 13th June 1990 Incident Reference: NE900230 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	589	2	546210 184610
38	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Blake Avenue, BARKING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 11th October 1990 Incident Reference: NE900432 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	628	2	545900 183800
39	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Mayes Brook Park, BARKING Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Not Supplied Incident Date: 13th August 1998 Incident Reference: THNE1998039988 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	640	2	546100 184600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Mayes Brook Park, BARKING Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Confirmed incident Incident Date: 13th May 1999 Incident Reference: THNE1999043030 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	671	2	546050 184600
40	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Alfreds Way, DAGENHAM Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 26th July 1994 Incident Reference: NE940555 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	655	2	546100 183500
41	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Wivenhoe Road, BARKING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 9th November 1995 Incident Reference: NE950669 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	657	2	546300 183400
42	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: DAGENHAM Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 26th January 1995 Incident Reference: NE950031 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	674	2	546200 184700
43	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: DAGENHAM Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 30th December 1991 Incident Reference: NE910601 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	680	2	546550 183350
44	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Mayesbrook Park, BARKING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 8th June 1995 Incident Reference: NE950340 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	765	2	546200 184800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BARKING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 20th December 1995 Incident Reference: NE950736 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	859	2	546400 184945
45	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Ripple Road, BARKING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 14th December 1995 Incident Reference: NE950728 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	864	2	546400 184950
46	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Alfreds Way, BARKING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 13th March 1992 Incident Reference: NE920140 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	948	2	546700 183100
47	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: BARKING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 10th March 1994 Incident Reference: NE940159 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	954	2	546201 185001
48	<b>Registered Radioactive Substances</b> Name: Barking Hospital Location: Clinical Chemistry Department, Upney Lane, BARKING, Essex, TG11 9LX Authority: Environment Agency, Thames Region Permit Reference: AF3953 Dated: Not Supplied Process Type: Authorisation under RSA (no specific reference) Description: Exempt authorisation under RSA Status: <b>Application received by the EA but is not yet authorised</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	916	2	545612 184360
49	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - Thames Region, North East Area Incident Date: 15th May 2020 Incident Reference: 1806843 Water Impact: Category 3 - Minor Incident Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Firefighting Run-Off	A8NW (SW)	531	2	546234 183563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - Thames Region, North East Area Incident Date: 1st August 2002 Incident Reference: 96409 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A18SW (NW)	652	2	546230 184690
51	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - Thames Region, North East Area Incident Date: 20th February 2012 Incident Reference: 964039 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material Pollutant: Specific Waste Materials: Commercial Waste Pollutant: Specific Waste Materials: Contaminated Construction & Demolition Material & Waste Pollutant: Specific Waste Materials: Household Waste	A9NW (SE)	759	2	547054 183500
	<b>Water Abstractions</b> Operator: Barking Riverside Limited Licence Number: 08/37/54/0059 Permit Version: 1 Location: Ship & Shovel Relief Sewer, Barking- Pont A Authority: Environment Agency, Thames Region Abstraction: Environmental: Non-remedial River/Wetland Support: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ship & Shovel Relief Sewer, Choats Road, Barking Essex Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1605	2	547750 183010
	<b>Water Abstractions</b> Operator: The Green Electrician Group Limited Licence Number: Th/039/0045/005 Permit Version: 3 Location: Barking Riverside Borehole A Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th May 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1680	2	546080 182400
	<b>Water Abstractions</b> Operator: Fuel Proof Energy Ltd Licence Number: Th/039/0045/005 Permit Version: 2 Location: Barking Riverside Borehole A Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st October 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1680	2	546080 182400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Thames Water Utilities Ltd Licence Number: 08/37/54/0062 Permit Version: 1 Location: Essex Road, Barking - Elred Point 'J' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East London Resources Development Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1724	2	544760 184110
	<b>Water Abstractions</b> Operator: Thames Water Utilities Ltd Licence Number: 08/37/54/0058 Permit Version: 2 Location: Essex Road, Barking - Elred Point 'J' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East London Resource Development Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1724	2	544760 184110
	<b>Water Abstractions</b> Operator: Thames Water Utilities Ltd Licence Number: 08/37/54/0058 Permit Version: 1 Location: Essex Road, Barking - Borehole, Point 'K' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East London Resource Development Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th March 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1724	2	544760 184110
	<b>Water Abstractions</b> Operator: Thames Water Utilities Ltd Licence Number: Th/037/0054/012/R01 Permit Version: 1 Location: Essex Road, Barking - Elred Point 'J' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East London Resources Development Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1730	2	544754 184106

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Thames Water Utilities Ltd Licence Number: Th/037/0054/012 Permit Version: 1 Location: Essex Road, Barking - Elred Point 'J' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: East London Resources Development Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1730	2	544754 184106
	<b>Water Abstractions</b> Operator: London Borough Of Barking And Dagenham Licence Number: Th/037/0054/009 Permit Version: 1 Location: Loxford Water Authority: Environment Agency, Thames Region Abstraction: Municipal Grounds: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: N/A Authorised Start: 31 March Authorised End: 30 March Permit Start Date: 1st July 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SW (NW)	1883	2	545041 185297
	<b>Water Abstractions</b> Operator: L B Of Barking & Dagenham Licence Number: 08/37/54/0032 Permit Version: Not Supplied Location: Barking Park, BARKING, Essex Authority: Environment Agency, Thames Region Abstraction: Fill Etc Lake Transfer Abstraction Type: Not Supplied Source: River Daily Rate (m3): 4546 Yearly Rate (m3): 81828 Details: Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1917	2	545001 185301
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Mixed Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	A13NW (E)	0	4	546501 184061
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A13NW (E)	0	4	546501 184061
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13NW (E)	0	4	546501 184061
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
52	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 121.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	374	5	546437 184462
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 402.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A12NE (W)	402	5	546098 184192
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A12NE (NW)	407	5	546126 184278
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: Underground Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A12NE (NW)	409	5	546127 184285
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	413	5	546320 184468
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 452.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A12NE (NW)	419	5	546129 184308
58	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 303.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	437	5	546308 184489
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 59.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NE (S)	467	5	546580 183567

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 259.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (S)	522	5	546409 183515
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 401.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (S)	523	5	546423 183512
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (S)	523	5	546423 183512
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 406.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A12SE (W)	549	5	545945 183926
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 218.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NW (S)	645	5	546299 183413
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 86.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	665	5	546148 184663
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 175.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NE (SE)	699	5	546791 183389
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1178.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SW (S)	700	5	546385 183338
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NE (SW)	711	5	546082 183444

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	729	5	546090 184702
70	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 61.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A17SE (NW)	729	5	546090 184702
71	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 150.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A17NE (NW)	742	5	546133 184742
72	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	809	5	545812 183580
73	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 158.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A18NW (N)	819	5	546207 184860
74	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 175.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 2	A18NW (N)	819	5	546207 184860
75	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 147.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NW (SE)	831	5	547152 183501
76	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 60.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A7NW (SW)	835	5	545802 183548
77	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	835	5	545802 183548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 23.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	837	5	545799 183550
79	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	848	5	546843 183249
80	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	858	5	546329 184934
81	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	867	5	546901 183255
82	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	867	5	546913 183261
83	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	869	5	546906 183255
84	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	873	5	546913 183254
85	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	877	5	546359 184958
86	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	887	5	546913 183239



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 47.8 Watercourse Level: Underground Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A7NW (SW)	890	5	545772 183496
88	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	890	5	545772 183496
89	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	891	5	546366 184974
90	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 630.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A18NW (N)	893	5	546301 184965
91	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 39.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	895	5	546914 183230
92	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	901	5	546396 184987
93	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	901	5	546396 184987
94	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	912	5	546408 185000
95	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 662.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	928	5	546979 183228

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A7NW (SW)	928	5	545760 183450
97	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A7NW (SW)	929	5	545760 183449
98	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7NW (SW)	929	5	545760 183449
99	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	930	5	546922 183195
100	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	932	5	546922 183192
101	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 25.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	936	5	546412 185024
102	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 317.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	937	5	547161 183354
103	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 478.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Mayes Brook Catchment Name: Thames Primacy: 1	A7NW (SW)	953	5	545748 183425
104	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	960	5	546923 183162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	962	5	546923 183160
106	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	989	5	546924 183130
107	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	992	5	546924 183128

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 400121 Location: Eastern Works, Alfreds Way, Barking, Essex, IG11 0AT Operator Name: Creek Metals Limited Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Vehicle Depollution Facility <5000 tps <b>Licence Status: Surrendered</b> Issued: 14th March 2013 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 28th November 2019 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	484	2	546177 183656
108	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 80111 Location: Eastern Works, Alfreds Way, Barking, Essex, IG11 0AT Operator Name: Creek Metals Limited Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Metal Recycling Sites (Mixed) <b>Licence Status: Modified</b> Issued: 14th January 1994 Last Modified: 16th April 2015 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	484	2	546177 183656
108	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 80111 Location: Eastern Works, Alfreds Way, Bypass Road, Barking, Essex, IG11 0AT Operator Name: Warwick Peter J Operator Location: Grove Cottage, Ongar Road, Abridge, Essex, RM14 1UT Authority: Environment Agency - Thames Region, North East Area Site Category: Metal Recycling Sites (Mixed) <b>Licence Status: Issued</b> Issued: 14th January 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	518	2	546161 183626
109	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 80534 Location: Unit 3 Alfreds Way Ind Estate, Alfreds Way, Barking, Essex, IG11 0AS Operator Name: Cannon Hygiene Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Clinical Waste Transfer Stations <b>Licence Status: Surrendered</b> Issued: 16th February 2001 Last Modified: 12th March 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 18th September 2012 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	673	2	546079 183493
109	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 80087 Location: Unit 3 Alfreds Way Ind Est, Alfreds Way, Barking, Essex, IG11 0AS Operator Name: Cannon Hygiene Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Clinical Waste Transfer Stations <b>Licence Status: Surrendered</b> Issued: 30th June 1993 Last Modified: 12th March 2002 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 18th September 2012 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	678	2	546064 183498

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 80085 Location: 19 & 20 Ripple Road, Rippleside Com Estate, Barking, Essex, IG11 0RJ Operator Name: Romford Insulations Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: Special Waste Transfer Stations <b>Licence Status: Surrendered</b> Issued: 25th May 1990 Last Modified: 17th May 1995 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 16th July 2014 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	817	2	547143 183512
111	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 406084 Location: Box Lane, Barking, London, IG11 0SQ Operator Name: Titan Waste Solutions Ltd Operator Location: Not Supplied Authority: Environment Agency - Thames Region, North East Area Site Category: HCI Waste TS + treatment <b>Licence Status: Issued</b> Issued: 28th May 2019 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	938	2	547072 183278
	<b>Local Authority Landfill Coverage</b> Name: London Borough of Barking And Dagenham - Has supplied landfill data		0	3	546501 184061
112	<b>Local Authority Recorded Landfill Sites</b> Location: Mayes Brook Park, Barking Reference: 11 Authority: London Borough of Barking And Dagenham, Environmental Health Department <b>Last Reported Status: Closed</b> Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A13NW (N)	274	3	546450 184363
113	<b>Local Authority Recorded Landfill Sites</b> Location: Not Supplied Reference: Not Supplied Authority: London Borough of Barking And Dagenham, Environmental Health Department <b>Last Reported Status: Unknown</b> Types of Waste: Pulverised Fuel Ash And Other Waste Of Energy Generation Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A9SW (SE)	965	3	546995 183195
114	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1996	A9NW (SE)	763	7	547124 183577
115	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A12NE (W)	391	7	546100 184152
116	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8NW (S)	433	7	546425 183602
117	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A8NW (S)	439	7	546386 183603
118	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8NE (S)	465	7	546643 183583



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8NE (S)	477	7	546575 183556
120	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8NE (S)	483	7	546588 183552
121	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8NE (SE)	504	7	546737 183579
122	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A8NW (SW)	517	7	546268 183561
123	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A8NE (S)	535	7	546570 183497
124	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A8NW (SW)	551	7	546171 183578
125	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A8NE (S)	593	7	546509 183436
126	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A8NE (SE)	595	7	546810 183515
127	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A9NW (SE)	648	7	546953 183556
128	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8NE (SE)	661	7	546805 183438
129	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A17SE (NW)	670	7	546017 184568
130	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SW (S)	719	7	546229 183358
131	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A7NE (SW)	721	7	545859 183670
132	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A9NW (SE)	723	7	546984 183483
133	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SW (S)	728	7	546220 183353
134	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SW (S)	749	7	546327 183299
135	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SW (S)	763	7	546362 183278
136	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A7SE (SW)	766	7	546102 183367
137	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SE (S)	769	7	546761 183302
138	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SE (S)	790	7	546596 183243
139	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A7NE (SW)	849	7	545896 183418

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A17SW (NW)	871	7	545824 184654
141	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SE (S)	908	7	546783 183163
142	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A18NW (N)	921	7	546490 185012
143	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SE (S)	924	7	546594 183108
144	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A7NW (SW)	935	7	545751 183451
145	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A17SW (NW)	945	7	545633 184494
146	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A7SE (SW)	951	7	545845 183327
147	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A9NE (SE)	963	7	547292 183467
148	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SE (S)	969	7	546754 183091
149	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A9SW (SE)	994	7	547115 183240
150	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1950	A8SW (S)	995	7	546247 183064
151	<b>Registered Waste Transfer Sites</b> Licence Holder: Cannon Hygiene Ltd Licence Reference: DL185 Site Location: Unit 70a Barking Industrial Park, Alfreds Way, Barking, Essex Operator Location: Middlegate, White Lund Industrial Estate, MORECAMBE, Lancashire, LA3 3BJ Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st November 1984 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical Wastes - See Text Prohibited Waste: Waste N.O.S.	A7NE (SW)	616	2	546000 183650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	<b>Registered Waste Transfer Sites</b> Licence Holder: Cannon Hygiene Ltd Licence Reference: WML80534 Site Location: The Forecourt to Unit 3, Alfreds Way Industrial Estate, BARKING, Essex, IG11 0AS Operator Location: 79 Limpsfield Road, SANDERSTEAD, Surrey, CR2 9LB Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 16th February 2001 Preceded By: DL467 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Maximum Storage In Licence Maximum Waste Permitted By Licence Ukw 22.07.06 Gen/Biodeg - Sanitary Wastes (Not Healthcare) Ukw 25.02.02 Dressings (Healthcare) Ukw 25.02.03 Healthcare Excreta Other Waste / Waste Not Otherwise Specified Prohibited Waste	A7NE (SW)	661	2	546090 183500
152	<b>Registered Waste Transfer Sites</b> Licence Holder: Cannon Hygiene Ltd Licence Reference: DL467 Site Location: Unit 3 Alfreds Way Industrial Estate, BARKING, Essex, IG11 0AS Operator Location: 79 Limpsfield Road, SANDERSTEAD, Surrey, CR2 9LB Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 7th February 2001 Preceded By: DL467 Licence: Superseded By: Wml80534 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Cat. Bi General Non-Putrescible Waste - Comprising Cat. E Difficult General Waste - Comprising Clinical Waste Groups A, B, C, E Feminine Hygiene/Nappy/Incontinence Wastes Infectious Wastes Paper/Cardboard/Fibreboard Pharmaceutical Products Special Clinical Wastes Special Waste (As In Epa 1990:S62 Of 1996 Regs) - Comprising Prohibited Waste	A7NE (SW)	673	2	546070 183500
152	<b>Registered Waste Transfer Sites</b> Licence Holder: Cannon Hygiene Ltd Licence Reference: DL467 Site Location: Unit 3 Alfreds Way Industrial Estate, BARKING, Essex, IG11 0AS Operator Location: 79 Limpsfield Road, SANDERSTEAD, Surrey, CR2 9LR Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 30th June 1993 Preceded By: Not Given Licence: Superseded By: DL467 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical Wastes General Medical Wastes Liq. Pharmaceutical Products Max.Waste Permitted By Licence Sanitary Waste Sharps Solid Pharmaceutical Products Waste N.O.S. Prohibited Waste	A7NE (SW)	673	2	546070 183500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	<b>Registered Waste Transfer Sites</b> Licence Holder: Kady Lag Ltd Licence Reference: DL108 Site Location: Unit 1 Rippleside Commercial Estate, Ripple Road, BARKING, Essex, IG11 0RJ Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1982 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Asbestos Prohibited Waste: Clinical Wastes	A9NW (SE)	791	2	547140 183550
153	<b>Registered Waste Transfer Sites</b> Licence Holder: Romford Insulations Ltd Licence Reference: DL321 Site Location: Units 19/20 Rippleside Commercial Estate, BARKING, Essex, IG11 0RJ Operator Location: 491-493 High Road, ILFORD, Essex, IG1 1TZ Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 25th May 1990 Preceded By: DL216 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Asbestos Prohibited Waste: Clinical - As In Coll/Disp.Reg's Of '88 Special Wastes N.O.S. Waste N.O.S.	A9NW (SE)	810	2	547140 183520
154	<b>Registered Waste Transfer Sites</b> Licence Holder: Romford Insulations Ltd Licence Reference: DL216 Site Location: Unit 11 Rippleside Commercial Estate, Ripple Road, BARKING, Essex, IG11 0RJ Operator Location: 406 High Road, ILFORD, Essex, IG1 1TW Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st October 1985 Preceded By: Not Given Licence: Superseded By: DL321 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Asbestos Prohibited Waste: Biodegradable/Putrescible Waste Clinical Wastes Notifiable Wastes N.O.S Special Wastes N.O.S	A9NE (SE)	899	2	547230 183490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	<b>Registered Waste Transfer Sites</b> Licence Holder: Mc Donald Ins.& Main.Ltd Licence Reference: DL129 Site Location: Unit 7 Rippleside Commercial Estate, Ripple Road, Barking, Essex Operator Location: Riverside Works, Hertford Road, BARKING, Essex, IG11 8BN Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Asbestos Prohibited Waste: Biodegradable/Putrescible Waste Clinical Wastes Notifiable Wastes Special Wastes	A9NE (SE)	934	2	547280 183500
155	<b>Registered Waste Transfer Sites</b> Licence Holder: Mc Donald Insul. & Maint. Ltd Licence Reference: DL348 Site Location: 7 Rippleside Commercial Estate, Ripple Road, BARKING, Essex, IG11 0AJ Operator Location: As Site Address Authority: Environment Agency - Thames Region, North East Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1991 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Asbestos (Special Waste) Bonded Asbestos, Asbestos Cement Sheet Max.Waste Permitted By Licence-States Prohibited Waste: Clinical - As In Coll/Disp.Regis Of '88 Special Wastes N.O.S. Waste N.O.S.	A9NE (SE)	941	2	547285 183495
156	<b>Registered Waste Treatment or Disposal Sites</b> Licence Holder: P J Warwick t/a C K Metals Licence Reference: DL516 Site Location: Eastern Works, Alfreds Way, Bypass Road, Barking, Essex, Ig11 0at Operator Location: Grove Cottage, Ongar Road, Abridge, ROMFORD, Essex, RM14 1UT Authority: Environment Agency - Thames Region, North East Area Site Category: Scrapyard - with Transfer Station Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: May not be working (licence suspended)Suspended Dated: 14th January 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Electric Cable & Wire Lead/Acid Batteries Lwra Cat Bii Gen. Scrap Metal Some Of Lwra Cat. A = Inert Wastes Lwra Cat. Bi Gen.Non-Putresc Max.Waste Permitted By Licence Tyres Prohibited Waste: Clinical - As In Coll/Disp.Regis Of '88 Special Wastes N.O.S. Waste N.O.S.	A7NE (SW)	515	2	546160 183630



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Thames Group	A13NW (E)	0	1	546501 184061
	<b>BGS Estimated Soil Chemistry</b> No data available				
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 546809, 184054 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 15.20 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 58.30 mg/kg Concentration: Lead Measured 115.50 mg/kg Concentration: Nickel Measured 19.70 mg/kg Concentration:	A13SE (E)	291	1	546809 184054
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 546201, 184407 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 15.70 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 55.40 mg/kg Concentration: Lead Measured 70.90 mg/kg Concentration: Nickel Measured 19.10 mg/kg Concentration:	A18SW (NW)	427	1	546201 184407
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 546924, 183821 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 20.30 mg/kg Concentration: Cadmium Measured 0.40 mg/kg Concentration: Chromium Measured 57.50 mg/kg Concentration: Lead Measured 483.10 mg/kg Concentration: Nickel Measured 30.50 mg/kg Concentration:	A14SW (SE)	463	1	546924 183821
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 546011, 183930 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 160.90 mg/kg Concentration: Cadmium Measured 0.80 mg/kg Concentration: Chromium Measured 78.10 mg/kg Concentration: Lead Measured 640.70 mg/kg Concentration: Nickel Measured 25.40 mg/kg Concentration:	A12SE (W)	483	1	546011 183930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 546385, 184746 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 15.70 mg/kg Concentration: Cadmium Measured 0.70 mg/kg Concentration: Chromium Measured 60.30 mg/kg Concentration: Lead Measured 132.90 mg/kg Concentration: Nickel Measured 20.30 mg/kg Concentration:	A18NW (N)	663	1	546385 184746
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 547212, 184318 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 17.10 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 63.70 mg/kg Concentration: Lead Measured 171.90 mg/kg Concentration: Nickel Measured 20.80 mg/kg Concentration:	A14NE (E)	728	1	547212 184318
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 546792, 184792 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.90 mg/kg Concentration: Cadmium Measured 0.60 mg/kg Concentration: Chromium Measured 68.20 mg/kg Concentration: Lead Measured 153.80 mg/kg Concentration: Nickel Measured 25.60 mg/kg Concentration:	A18NE (N)	754	1	546792 184792
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 545797, 184401 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.40 mg/kg Concentration: Cadmium Measured 0.40 mg/kg Concentration: Chromium Measured 52.60 mg/kg Concentration: Lead Measured 179.30 mg/kg Concentration: Nickel Measured 20.20 mg/kg Concentration:	A17SW (NW)	757	1	545797 184401
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 545706, 183779 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 23.10 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 55.90 mg/kg Concentration: Lead Measured 266.50 mg/kg Concentration: Nickel Measured 25.40 mg/kg Concentration:	A12SW (W)	817	1	545706 183779

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 547300, 183812 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.40 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 63.10 mg/kg Concentration: Lead Measured 117.40 mg/kg Concentration: Nickel Measured 20.80 mg/kg Concentration:	A14SE (E)	819	1	547300 183812
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 546250, 183208 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 28.30 mg/kg Concentration: Cadmium Measured 0.70 mg/kg Concentration: Chromium Measured 95.70 mg/kg Concentration: Lead Measured 159.60 mg/kg Concentration: Nickel Measured 47.80 mg/kg Concentration:	A8SW (S)	856	1	546250 183208
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 547197, 184624 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 12.50 mg/kg Concentration: Cadmium Measured 0.40 mg/kg Concentration: Chromium Measured 62.50 mg/kg Concentration: Lead Measured 194.10 mg/kg Concentration: Nickel Measured 17.90 mg/kg Concentration:	A19SE (NE)	862	1	547197 184624
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 545759, 184722 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.60 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 68.90 mg/kg Concentration: Lead Measured 134.10 mg/kg Concentration: Nickel Measured 20.50 mg/kg Concentration:	A17SW (NW)	964	1	545759 184722

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Urban Soil Chemistry Averages</b> Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum Concentration: 1.00 mg/kg Arsenic Average Concentration: 17.00 mg/kg Arsenic Maximum Concentration: 161.00 mg/kg Cadmium Minimum Concentration: 0.10 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 165.20 mg/kg Chromium Minimum Concentration: 13.00 mg/kg Chromium Average Concentration: 79.00 mg/kg Chromium Maximum Concentration: 2094.00 mg/kg Lead Minimum Concentration: 11.00 mg/kg Lead Average Concentration: 280.00 mg/kg Lead Maximum Concentration: 10000.00 mg/kg Nickel Minimum Concentration: 2.00 mg/kg Nickel Average Concentration: 28.00 mg/kg Nickel Maximum Concentration: 506.00 mg/kg	A13NW (E)	0	1	546501 184061
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	55	1	546542 184140
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	55	1	546542 184140
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	55	1	546542 184140
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	136	1	546349 184087

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	546501 184061



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	<b>Contemporary Trade Directory Entries</b> Name: Bobs Mobile Service Location: 415, Lodge Avenue, Dagenham, Essex, RM9 4QD Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	77	-	546579 183995
158	<b>Contemporary Trade Directory Entries</b> Name: Safe Handz Domestix Location: 446, Lodge Avenue, Dagenham, Essex, RM9 4QS Classification: Cleaning Services - Domestic <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	122	-	546504 183907
158	<b>Contemporary Trade Directory Entries</b> Name: Wisdom Gate Servcies Location: 450a, Lodge Avenue, Dagenham, Essex, RM9 4QS Classification: Commercial Cleaning Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	133	-	546497 183897
158	<b>Contemporary Trade Directory Entries</b> Name: Steam Dry Cleaner Location: 460 Lodge Avenue, Dagenham, Essex, RM9 4QS Classification: Dry Cleaners <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	163	-	546486 183868
159	<b>Contemporary Trade Directory Entries</b> Name: D & C Repairs Location: 269, Stamford Road, Dagenham, RM9 4EH Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	203	-	546683 183923
160	<b>Contemporary Trade Directory Entries</b> Name: Euro Plastering Location: 38, Moore Crescent, Dagenham, Essex, RM9 4XP Classification: Plaster Manufacturers & Suppliers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	271	-	546517 183758
161	<b>Contemporary Trade Directory Entries</b> Name: Carpet Angels Location: 64, Maplestead Road, Dagenham, Essex, RM9 4XT Classification: Carpet, Curtain & Upholstery Cleaners <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	320	-	546691 183764
162	<b>Contemporary Trade Directory Entries</b> Name: Rcm Engineering Location: 10, Campsey Gardens, Dagenham, Essex, RM9 4DT Classification: Mechanical Engineers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	333	-	546853 184114
163	<b>Contemporary Trade Directory Entries</b> Name: G A L Group Location: 83, Rosedale Road, Dagenham, Essex, RM9 4DP Classification: Washing Machines - Servicing & Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	373	-	546879 184192
164	<b>Contemporary Trade Directory Entries</b> Name: As Soon As Possible Ltd Location: Ripple Rd, Dagenham, Essex, RM9 4QP Classification: Road Haulage Services <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	375	-	546323 183692
165	<b>Contemporary Trade Directory Entries</b> Name: Ilford Building Supplies Location: 516, Ripple Road, Barking, Essex, IG11 9PG Classification: Builders' Merchants <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	425	-	546262 183669
165	<b>Contemporary Trade Directory Entries</b> Name: Ilford Building Supplies Location: 516, Ripple Road, Barking, Essex, IG11 9PG Classification: Builders' Merchants <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	425	-	546262 183669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	<b>Contemporary Trade Directory Entries</b> Name: Ilford Building Supplies Location: 516, Ripple Road, Barking, Essex, IG11 9PG Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	425	-	546262 183669
166	<b>Contemporary Trade Directory Entries</b> Name: Maysbrook Motor Co Location: Ripple Rd, Barking, Essex, IG11 9PG Classification: Car Dealers - Used <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	425	-	546207 183708
166	<b>Contemporary Trade Directory Entries</b> Name: O M Engineers Location: 514, Ripple Road, Barking, IG11 9PG Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	436	-	546244 183667
166	<b>Contemporary Trade Directory Entries</b> Name: Shell Ripple Road Location: 514, Ripple Road, Barking, Essex, IG11 9PG Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	436	-	546244 183667
166	<b>Contemporary Trade Directory Entries</b> Name: Shell Service Station Location: 514, Ripple Road, Barking, Essex, IG11 9PG Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	436	-	546244 183667
166	<b>Contemporary Trade Directory Entries</b> Name: Shell (Uk) Ltd Location: 514, Ripple Road, Barking, Essex, IG11 9PG Classification: Petrol Filling Stations - 24 Hour <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	436	-	546244 183667
166	<b>Contemporary Trade Directory Entries</b> Name: Shell Service Station Location: 514 Ripple Road, Barking, Essex, IG11 9PG Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	440	-	546236 183668
166	<b>Contemporary Trade Directory Entries</b> Name: Mayesbrook Motor Co Location: Ripple Road, Barking, Essex, IG11 9PG Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned in the proximity of the address	A8NW (SW)	459	-	546206 183666
167	<b>Contemporary Trade Directory Entries</b> Name: Jewson Builders Merchants Location: London Works, Ripple Rd, Barking, Essex, IG11 0SY Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A8NW (S)	432	-	546474 183598
168	<b>Contemporary Trade Directory Entries</b> Name: Car Care Location: 25b Barking Indust Est, Ripple Rd, Barking, Essex, IG11 7PH Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	451	-	546134 183746
168	<b>Contemporary Trade Directory Entries</b> Name: 24 7 Mechanic Location: 154 Ripple Road, Barking, Essex, IG11 9PG Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	465	-	546140 183717
168	<b>Contemporary Trade Directory Entries</b> Name: Tesco Petrol Station Location: Tesco Express, Esso Petrol Filling Station, Ripple Road, Barking, IG11 9PG Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	465	-	546140 183717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	<b>Contemporary Trade Directory Entries</b> Name: London Code Location: Unit 86 Barking Industrial Park, Ripple Road, Barking, Essex, IG11 9PG Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	468	-	546140 183713
168	<b>Contemporary Trade Directory Entries</b> Name: Ilford Building Supplies Location: 516, Ripple Road, Barking, IG11 9PG Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	498	-	546100 183713
169	<b>Contemporary Trade Directory Entries</b> Name: Esso Location: Ripple Road, Dagenham, Essex, RM9 4XT Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	459	-	546161 183704
170	<b>Contemporary Trade Directory Entries</b> Name: Minster Location: Ripple Road, Barking, Essex, IG11 0SY Classification: Insulation Materials <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A8NE (S)	470	-	546525 183560
171	<b>Contemporary Trade Directory Entries</b> Name: Arriva Plc Location: Barking Garage, 638 Ripple Road, Barking, Essex, IG11 9RY Classification: Bus & Coach Operators & Stations <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	475	-	546812 183662
171	<b>Contemporary Trade Directory Entries</b> Name: F1 Tyres & M O T'S Location: 1 Ripple Villas, Ripple Road, Barking, IG11 0SR Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	487	-	546783 183625
171	<b>Contemporary Trade Directory Entries</b> Name: Charndell Ltd Location: 1, Ripple Villas, Ripple Road, Barking, Essex, IG11 0SR Classification: Sheet Metal Work <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	488	-	546783 183625
171	<b>Contemporary Trade Directory Entries</b> Name: A K Auto Group Location: 1, Ripple Villas, Ripple Road, Barking, Essex, IG11 0SR Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	488	-	546783 183625
171	<b>Contemporary Trade Directory Entries</b> Name: A K Auto Group Location: Ripple Villas, Ripple Rd, Barking, Essex, IG11 0SR Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	488	-	546782 183624
171	<b>Contemporary Trade Directory Entries</b> Name: Arriva London North East Location: Ripple Road, Barking, Essex, IG11 0SS Classification: Bus & Coach Operators & Stations <b>Status: Inactive</b> Positional Accuracy: Automatically positioned in the proximity of the address	A8NE (SE)	518	-	546819 183614
172	<b>Contemporary Trade Directory Entries</b> Name: Esso Location: At Tesco Ripple Road, Barking, Essex, IG11 9NY Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	482	-	546074 183776
173	<b>Contemporary Trade Directory Entries</b> Name: Shanks Waste Management Location: The Invicta Centre, Alfreds Way, Barking, Essex, IG11 0BA Classification: Waste Disposal Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8NW (S)	485	-	546344 183567

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	<b>Contemporary Trade Directory Entries</b> Name: Climate Center Location: Unit 3-4, The Invicta Centre, Alfreds Way, Barking, Essex, IG11 0BA Classification: Air Conditioning Equipment & Systems <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	524	-	546311 183537
174	<b>Contemporary Trade Directory Entries</b> Name: Parsons People Services Ltd Location: Unit 2, The Invicta Centre, Alfreds Way, Barking, IG11 0BA Classification: Electrical Engineers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	494	-	546377 183549
175	<b>Contemporary Trade Directory Entries</b> Name: Kwik Fit Location: Ripple Road, Barking, IG11 9PG Classification: Tyre Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	500	-	546049 183783
175	<b>Contemporary Trade Directory Entries</b> Name: Trust Ford Location: Ripple Road, Barking, IG11 9PG Classification: Car Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	524	-	546014 183798
175	<b>Contemporary Trade Directory Entries</b> Name: Dagenham Motors Location: Ripple Road, Barking, Essex, IG11 9PG Classification: Mot Testing Centres <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	527	-	546014 183792
175	<b>Contemporary Trade Directory Entries</b> Name: Dagenham Motors Ltd Location: Ripple Road, Barking, Essex, IG11 9PG Classification: Car Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	547	-	545997 183780
175	<b>Contemporary Trade Directory Entries</b> Name: Dagenham Motors Location: Ripple Road, Barking, Essex, IG11 9PG Classification: Car Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	547	-	545997 183780
176	<b>Contemporary Trade Directory Entries</b> Name: A-Z Carpet & Upholstery Cleaning Location: 33, Blithbury Road, Dagenham, Essex, RM9 4PX Classification: Carpet, Curtain & Upholstery Cleaners <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	514	-	546806 184517
177	<b>Contemporary Trade Directory Entries</b> Name: Rentokil Property Care Location: Unit A/2, 25, Eastern Approach, Alfreds Way, Barking, Essex, IG11 0AG Classification: Damp & Dry Rot Control <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	514	-	546229 183584
177	<b>Contemporary Trade Directory Entries</b> Name: Engine Hub Ltd Location: Manor House, 6-8, Creek Road, Barking, Essex, IG11 0TA Classification: Engines - Sales & Service <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	517	-	546243 183574
177	<b>Contemporary Trade Directory Entries</b> Name: Manor Doors Envirosafe Location: Manor House, 6-8, Creek Road, Barking, Essex, IG11 0TA Classification: Door Manufacturers - Industrial <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	517	-	546243 183574
177	<b>Contemporary Trade Directory Entries</b> Name: T N T Location: Unit 2c-3c Eastern Approach, 25 Alfred's Way, Barking, Essex, IG11 0TJ Classification: Road Haulage Services <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	524	-	546228 183574

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	<b>Contemporary Trade Directory Entries</b> Name: Nnoma & Co Ltd Location: Unit A2 Eastern Approach, 25 Alfreds Way, Barking, Essex, IG11 0TJ Classification: Cleaning Materials & Equipment <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	524	-	546228 183574
177	<b>Contemporary Trade Directory Entries</b> Name: E & G Location: Unit A2, Eastern Approach, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Freight Forwarders <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	524	-	546228 183574
178	<b>Contemporary Trade Directory Entries</b> Name: G-R Furniture & Appliances Location: 463, Porters Avenue, Dagenham, Essex, RM9 4ND Classification: Electrical Goods Sales, Manufacturers & Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	515	-	546658 184586
179	<b>Contemporary Trade Directory Entries</b> Name: Castle Commercials Location: Castle Works, 721, Ripple Road, Barking, Essex, IG11 0SN Classification: Commercial Vehicle Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	553	-	546874 183612
179	<b>Contemporary Trade Directory Entries</b> Name: Thameside Freight Services Location: Castle Works, 721, Ripple Road, BARKING, Essex, IG11 0SN Classification: Road Haulage Services <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	553	-	546874 183612
179	<b>Contemporary Trade Directory Entries</b> Name: D T Trucks Location: Castle Works, 721, Ripple Road, Barking, IG11 0SN Classification: Commercial Vehicle Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	566	-	546859 183583
179	<b>Contemporary Trade Directory Entries</b> Name: E & B Tyres Ltd Location: Ripple Road, Barking, Essex, IG11 0SN Classification: Tyre Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	576	-	546898 183603
179	<b>Contemporary Trade Directory Entries</b> Name: East London Mobile Tyre Service Location: Ripple Road, Barking, IG11 0SN Classification: Tyre Repairs & Retreading <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	584	-	546899 183593
180	<b>Contemporary Trade Directory Entries</b> Name: Mobile Vehicle Servicing Location: 76, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	555	-	546018 183729
180	<b>Contemporary Trade Directory Entries</b> Name: Alloway Technology Location: Unit 17 Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	560	-	546031 183701
180	<b>Contemporary Trade Directory Entries</b> Name: Dent Detective Location: 79, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	574	-	546030 183680
180	<b>Contemporary Trade Directory Entries</b> Name: A C L Autos Location: 71, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Mot Testing Centres <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	574	-	545993 183733



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	<b>Contemporary Trade Directory Entries</b> Name: Quickil Pest Control Services Ltd Location: 71, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Pest & Vermin Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	574	-	545993 183733
180	<b>Contemporary Trade Directory Entries</b> Name: Eastern General Recovery Service Location: 71, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Breakdown & Recovery Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	574	-	545993 183733
180	<b>Contemporary Trade Directory Entries</b> Name: Quickil Pest Control Services Ltd Location: 72, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Pest & Vermin Control <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (SW)	574	-	545993 183733
180	<b>Contemporary Trade Directory Entries</b> Name: C B Autos Location: 70b, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	597	-	545990 183696
180	<b>Contemporary Trade Directory Entries</b> Name: Swift Car Repairs Location: 67, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	616	-	545975 183684
180	<b>Contemporary Trade Directory Entries</b> Name: Mr Sukhvinder Kalsi Location: 67, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	616	-	545975 183684
180	<b>Contemporary Trade Directory Entries</b> Name: Fiorella Shoes Location: 63, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Footwear Manufacturers & Wholesale <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545976 183667
181	<b>Contemporary Trade Directory Entries</b> Name: Uneek Group Location: Unit 1-2, Renwick Industrial Estate, Renwick Road, Barking, IG11 0SD Classification: Freight Forwarders <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NE (SE)	560	-	546790 183544
182	<b>Contemporary Trade Directory Entries</b> Name: Matalie'S Laundry Location: Berengers Pl, Dagenham, Essex, RM9 4PT Classification: Ironing & Home Laundry Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	565	-	546848 184549
183	<b>Contemporary Trade Directory Entries</b> Name: Warm Look Location: 510, Ripple Road, Barking, Essex, IG11 9RZ Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12SE (W)	573	-	545922 183920
184	<b>Contemporary Trade Directory Entries</b> Name: Barking M O T Centre Location: Unit 83, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Mot Testing Centres <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	583	-	546040 183653
184	<b>Contemporary Trade Directory Entries</b> Name: London Code Location: 86, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	597	-	546033 183640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	<b>Contemporary Trade Directory Entries</b> Name: Stevens & Gill Bodycraft Ltd Location: 54, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Car Body Repairs <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	619	-	546011 183632
184	<b>Contemporary Trade Directory Entries</b> Name: King Rooster Location: Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	619	-	545993 183654
184	<b>Contemporary Trade Directory Entries</b> Name: C & D Services Location: 80, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	620	-	546014 183626
184	<b>Contemporary Trade Directory Entries</b> Name: Medina Autos Location: 69a, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Handcraft Joinery Uk Ltd Location: 66, Barking Industrial Park, Alfreds Way, BARKING, Essex, IG11 0TJ Classification: Joinery Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Trans Marine Location: 59-60, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Freight Forwarders <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Stevens & Gill Panelcraft Location: 54, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Williams Metal Fabrications Ltd Location: 49, Barking Industrial Park, Alfreds Way, BARKING, Essex, IG11 0TJ Classification: Sheet Metal Work <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Central Powder Coating Ltd Location: 48-52, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Powder Coatings <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Premier Location: 70-70a, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Gizmo Location: 51, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Engine Tuning & Diagnostic Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Msm Motors & Claims Location: 69, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	625	-	545985 183654

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	<b>Contemporary Trade Directory Entries</b> Name: Thigan Motors Location: 65 Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	626	-	545984 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Executive Car Repairs Location: 53-55 Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	626	-	545984 183654
184	<b>Contemporary Trade Directory Entries</b> Name: Tohani Manufacturers Ltd Location: 51, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	647	-	545986 183617
184	<b>Contemporary Trade Directory Entries</b> Name: J M Shopfitters Location: 47, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Shop Fittings Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	657	-	545993 183594
185	<b>Contemporary Trade Directory Entries</b> Name: Mercedes-Benz Retail Used Cars East London Location: Alfreds Way, Barking, Essex, IG11 0AT Classification: Commercial Vehicle Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	586	-	546075 183612
185	<b>Contemporary Trade Directory Entries</b> Name: B Prince & Sons Commercial Location: 165 Alfreds Way, Barking, Essex, IG11 0AT Classification: Commercial Vehicle Dealers <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	589	-	546071 183611
185	<b>Contemporary Trade Directory Entries</b> Name: 3663 Location: Alfreds Way, Barking, Essex, IG11 0TS Classification: Frozen Food Processors & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	589	-	546071 183611
185	<b>Contemporary Trade Directory Entries</b> Name: G H Engineering Ltd Location: Alfreds Way, Barking, Essex, IG11 0TS Classification: Engineers - General <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	589	-	546071 183611
185	<b>Contemporary Trade Directory Entries</b> Name: Satellite Graphics Ltd Location: Alfreds Way, Barking, Essex, IG11 0TS Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	613	-	546067 183582
186	<b>Contemporary Trade Directory Entries</b> Name: Autostop Car Care Centre Ltd Location: 429, Porters Avenue, Dagenham, Essex, RM9 4ND Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SE (N)	591	-	546735 184639
186	<b>Contemporary Trade Directory Entries</b> Name: D K K Logistics Ltd Location: 466, Porters Avenue, Dagenham, RM8 2EE Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18SE (N)	628	-	546728 184682
187	<b>Contemporary Trade Directory Entries</b> Name: H I Q B T S Ltd Location: 227 Gasgoin Road, Alfreds Way, Barking, Essex, IG11 0AS Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	619	-	546131 183522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	<b>Contemporary Trade Directory Entries</b> Name: Crown Location: 6, Alfreds Way Industrial Estate, Alfreds Way, Barking, IG11 0AS Classification: Painting & Decorating Supplies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	632	-	546132 183507
188	<b>Contemporary Trade Directory Entries</b> Name: Quickmarsh Ltd Location: Unit B2, 25, Eastern Approach, Alfreds Way, Barking, IG11 0AG Classification: Freight Forwarders <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A8NW (SW)	623	-	546206 183473
189	<b>Contemporary Trade Directory Entries</b> Name: Rentokil Pest Control Location: Unit C3,25 Eastern Approach, Alfreds Way, Barking, Essex, IG11 0AG Classification: Pest & Vermin Control <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A8NW (S)	629	-	546271 183439
190	<b>Contemporary Trade Directory Entries</b> Name: M1 24 7 M O T Centre Location: 6 Alfreds Way, Barking, Essex, IG11 0AT Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	634	-	546100 183526
190	<b>Contemporary Trade Directory Entries</b> Name: Poulten & Graf Location: Peak Works, 1, Alfreds Way Industrial Estate, Alfreds Way, Barking, Essex, IG11 0AS Classification: Laboratory Equipment, Instruments & Supplies <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	651	-	546062 183535
190	<b>Contemporary Trade Directory Entries</b> Name: Johnstones Decorating Centre Location: Peak Works, 1, Alfreds Way Industrial Estate, Alfreds Way, Barking, Essex, IG11 0AS Classification: Painting & Decorating Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	651	-	546062 183535
190	<b>Contemporary Trade Directory Entries</b> Name: Parts Center Location: Alfreds Way Ind Est, Alfreds Way, Barking, Essex, IG11 0AS Classification: Central Heating Supplies & Equipment <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	651	-	546062 183535
190	<b>Contemporary Trade Directory Entries</b> Name: Cannon Hygiene Ltd Location: 3, Alfreds Way Industrial Estate, Alfreds Way, Barking, Essex, IG11 0AS Classification: Hygiene & Cleansing Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	676	-	546071 183496
190	<b>Contemporary Trade Directory Entries</b> Name: B O C Gas & Gear Location: 3, Alfreds Way Industrial Estate, Alfreds Way, Barking, IG11 0AS Classification: Gas Suppliers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	676	-	546071 183496
191	<b>Contemporary Trade Directory Entries</b> Name: R N B Industrial Door Service Ltd Location: Unit 6, Davenport Centre, Renwick Road, Barking, Essex, IG11 0SH Classification: Door Manufacturers - Industrial <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	650	-	546847 183473
191	<b>Contemporary Trade Directory Entries</b> Name: Range Rover Engine Specialist Location: Unit 6, Davenport Centre, Renwick Road, Barking, IG11 0SH Classification: Car Engine Tuning & Diagnostic Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	656	-	546847 183466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	<b>Contemporary Trade Directory Entries</b> Name: Buildbase Ltd Location: Unit 4, Davenport Centre, Renwick Road, Barking, Essex, IG11 0SH Classification: Builders' Merchants <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	665	-	546869 183470
191	<b>Contemporary Trade Directory Entries</b> Name: Global Engines & Gearboxes Location: Unit 4, Davenport Centre, Renwick Road, Barking, Essex, IG11 0SH Classification: Gearboxes <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	665	-	546869 183470
191	<b>Contemporary Trade Directory Entries</b> Name: Patrol Freight Services Location: Unit 1, Renwick Industrial Estate, Renwick Road, Barking, Essex, IG11 0SD Classification: Road Haulage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	671	-	546883 183471
191	<b>Contemporary Trade Directory Entries</b> Name: Top Ten Hayashi Sport Location: Unit 1, Davenport Centre, Renwick Road, Barking, Essex, IG11 0SH Classification: Sports Equipment Manufacturers & Distributors <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	671	-	546883 183471
191	<b>Contemporary Trade Directory Entries</b> Name: Top Gear Automotives Location: Unit 3, Davenport Centre, Renwick Road, Barking, IG11 0SH Classification: Engines - Sales & Service <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	680	-	546879 183457
191	<b>Contemporary Trade Directory Entries</b> Name: Davin Foods Location: Savvas House, Davenport Centre, Renwick Road, Barking, IG11 0SH Classification: Food Products - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	689	-	546918 183474
192	<b>Contemporary Trade Directory Entries</b> Name: Colin Mills & Co Location: 31a Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Safes & Vaults - Suppliers & Installers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A7NE (SW)	652	-	545958 183645
192	<b>Contemporary Trade Directory Entries</b> Name: Car 4 You Location: 47b, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	658	-	545957 183636
192	<b>Contemporary Trade Directory Entries</b> Name: Kwik Start Location: 28, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	662	-	545929 183670
192	<b>Contemporary Trade Directory Entries</b> Name: Reliable Recovery Location: Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned in the proximity of the address	A7NE (SW)	669	-	545939 183642
192	<b>Contemporary Trade Directory Entries</b> Name: B K Styles Location: 44, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Boar Engineering Ltd Location: 39a, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Engineers - General <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	<b>Contemporary Trade Directory Entries</b> Name: P J Harris Location: 78, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Merlin Components (London) Ltd Location: 26, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Clean Start Location: 25, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Catering Equipment <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Sira Motors Location: 42, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Satbachan G Location: 41, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Metal Products - Fabricated <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: S C Refinishing Ltd Location: 39b, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Tiveys Panelcraft Location: 40, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Tiger Motor Engineering Location: 32 Barking Ind Park Alfreds Way, Barking, Essex, IG11 0TJ Classification: Mot Testing Centres <b>Status:</b> Active Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	683	-	545928 183633
192	<b>Contemporary Trade Directory Entries</b> Name: Daves Bodywork Location: 86, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Manor Industrial Supply Ltd Location: 25 Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Distribution Services <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	683	-	545928 183633
192	<b>Contemporary Trade Directory Entries</b> Name: Fantasy Shoes Location: 44, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Footwear Manufacturers & Wholesale <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: J Lang Recovery Location: 25, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Breakdown & Recovery Services <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	<b>Contemporary Trade Directory Entries</b> Name: J & R Auto Location: 43, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Engine Tuning & Diagnostic Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Top Gun Location: 30 Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	683	-	545928 183633
192	<b>Contemporary Trade Directory Entries</b> Name: Anycar Location: 27, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: Hsm Body Work & Spray Specialists Location: 33, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Painters & Sprayers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	683	-	545928 183634
192	<b>Contemporary Trade Directory Entries</b> Name: T S G Autos Location: 44, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Tyre Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	687	-	545950 183598
192	<b>Contemporary Trade Directory Entries</b> Name: T S G Autos Location: 44, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Tyre Dealers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	687	-	545950 183598
192	<b>Contemporary Trade Directory Entries</b> Name: T S G Wheels & Tyres Location: 44, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Tyre Dealers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	687	-	545950 183598
192	<b>Contemporary Trade Directory Entries</b> Name: Adec Marine Location: 46, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Marine Engineering Equipment Manufacturers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	691	-	545952 183590
192	<b>Contemporary Trade Directory Entries</b> Name: Energycore Ltd Location: Unit 35, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Door Manufacturers - Domestic <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	697	-	545914 183630
192	<b>Contemporary Trade Directory Entries</b> Name: S C Refinishing Location: 39b, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	700	-	545920 183615
193	<b>Contemporary Trade Directory Entries</b> Name: United Powder Coating Ltd Location: 23a, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Powder Coatings <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	670	-	545902 183698
193	<b>Contemporary Trade Directory Entries</b> Name: Clarcie Car Tints Location: 22, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Window Tinting <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	695	-	545884 183681

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	<b>Contemporary Trade Directory Entries</b> Name: The Drive Motors Location: 22, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Mechanical Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	695	-	545884 183681
194	<b>Contemporary Trade Directory Entries</b> Name: S A Cleaning Services Location: 4, Rowney Road, Dagenham, Essex, RM9 4PP Classification: Commercial Cleaning Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A19SW (NE)	690	-	546935 184641
195	<b>Contemporary Trade Directory Entries</b> Name: Ovensclean Location: 3, Stamford Gardens, Dagenham, Essex, RM9 4ET Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A14SE (E)	708	-	547227 184048
196	<b>Contemporary Trade Directory Entries</b> Name: Theoplastic Ltd Location: 45, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Plastics - Vacuum Forming <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	714	-	545927 183583
197	<b>Contemporary Trade Directory Entries</b> Name: Automech Services Location: Unit 20, Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	716	-	545875 183653
197	<b>Contemporary Trade Directory Entries</b> Name: Thompson Motors Location: 21, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	737	-	545877 183613
197	<b>Contemporary Trade Directory Entries</b> Name: Turnwright Ltd Location: 12, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Medical Equipment Maintenance & Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	737	-	545877 183613
197	<b>Contemporary Trade Directory Entries</b> Name: Tkm Engineering Location: 7, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Precision Engineers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	737	-	545877 183613
197	<b>Contemporary Trade Directory Entries</b> Name: A & A Motors Location: 18, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	737	-	545877 183613
197	<b>Contemporary Trade Directory Entries</b> Name: Charalambos Stylianou Location: 19, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Footwear Manufacturers & Wholesale <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	737	-	545877 183613
197	<b>Contemporary Trade Directory Entries</b> Name: B M Bodyworks Ltd Location: 17 Barking Ind Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	738	-	545876 183612
198	<b>Contemporary Trade Directory Entries</b> Name: Estrit 4 Location: Unit 4, Wayside Commercial Estate, Alfreds Way, Barking, Essex, IG11 0AQ Classification: Office Furniture & Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	731	-	545978 183503

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	<b>Contemporary Trade Directory Entries</b> Name: Mitre Office Furnishing Location: Unit 4, Wayside Commercial Estate, Alfreds Way, Barking, Essex, IG11 0AQ Classification: Office Furniture & Equipment <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	731	-	545978 183503
199	<b>Contemporary Trade Directory Entries</b> Name: Encon Insulation Location: Unit 1, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Insulation Materials <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	738	-	547047 183522
199	<b>Contemporary Trade Directory Entries</b> Name: Encon Insulation Location: Unit 1, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Insulation Materials <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	738	-	547047 183522
199	<b>Contemporary Trade Directory Entries</b> Name: Loadtite Location: Unit 1, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Lifting Equipment <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	738	-	547047 183522
199	<b>Contemporary Trade Directory Entries</b> Name: Encon Location: Unit 1, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Insulation Materials <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	738	-	547047 183522
200	<b>Contemporary Trade Directory Entries</b> Name: Mo Customs Computers Ltd Location: 83, Bromhall Road, Dagenham, Essex, RM9 4PH Classification: Computer Manufacturers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	745	-	546904 184728
201	<b>Contemporary Trade Directory Entries</b> Name: B K Automotive Location: Unit 25, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Garage Services <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	751	-	546988 183450
201	<b>Contemporary Trade Directory Entries</b> Name: Trad Safety Systems Ltd Location: Unit 26, Rippleside Commercial Estate, Renwick Road, Barking, Essex, IG11 0SB Classification: Scaffolding & Work Platforms <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	766	-	546987 183429
201	<b>Contemporary Trade Directory Entries</b> Name: Brunton Shaw Ltd Location: 26, Rippleside Commercial Estate, Renwick Road, Barking, Essex, IG11 0SB Classification: Ropes & Hawsers <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	766	-	546987 183429
201	<b>Contemporary Trade Directory Entries</b> Name: On Line Lubricants Location: 27, Rippleside Commercial Estate, Renwick Road, Barking, Essex, IG11 0SB Classification: Oil Companies <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	782	-	546987 183409
201	<b>Contemporary Trade Directory Entries</b> Name: Trad Hire & Sales Ltd Location: Unit 26, Rippleside Commercial Estate, Renwick Road, Barking, IG11 0SB Classification: Scaffolding & Work Platforms <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	792	-	546993 183401

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	<b>Contemporary Trade Directory Entries</b> Name: O So Kozee Location: 22, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Furniture Manufacturers - Home & Office <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	786	-	547106 183517
202	<b>Contemporary Trade Directory Entries</b> Name: U K Insulation Supplies Ltd Location: Unit 1A, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Insulation Materials <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	789	-	547135 183547
202	<b>Contemporary Trade Directory Entries</b> Name: Fanshawe Sheet Metal Location: Unit 1A, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Sheet Metal Work <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	789	-	547135 183547
202	<b>Contemporary Trade Directory Entries</b> Name: Abbey Roller Shutters & Security Products Ltd Location: Unit 24, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Roller Shutter Manufacturers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	823	-	547123 183479
203	<b>Contemporary Trade Directory Entries</b> Name: Enigee Cleaning & Property Maintenance Location: 81, Westrow Drive, Barking, Essex, IG11 9BL Classification: Carpet, Curtain & Upholstery Cleaners <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	786	-	546032 184731
204	<b>Contemporary Trade Directory Entries</b> Name: Cleaner Team Ltd Location: 390, Porters Avenue, Dagenham, RM8 2EF Classification: Cleaning Services - Domestic <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	795	-	546883 184796
205	<b>Contemporary Trade Directory Entries</b> Name: C & D Services Location: 1, Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	806	-	545833 183556
206	<b>Contemporary Trade Directory Entries</b> Name: Essex Cleaning Services Location: 4, Flamstead Road, Dagenham, Essex, RM9 4JH Classification: Cleaning Services - Domestic <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	809	-	547308 183895
207	<b>Contemporary Trade Directory Entries</b> Name: Corbyn A J Location: Unit 2, Rippleside Commercial Estate, Renwick Road, Barking, Essex, IG11 0SB Classification: Road Haulage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	821	-	547164 183533
207	<b>Contemporary Trade Directory Entries</b> Name: G & G Powder Coatings Ltd Location: Unit 3, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Powder Coatings <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	846	-	547194 183530
207	<b>Contemporary Trade Directory Entries</b> Name: Autofix Workshop Ltd Location: Unit 3, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	846	-	547194 183530



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	<b>Contemporary Trade Directory Entries</b> Name: R S Fittings Ltd Location: 6, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Abrasive Products - Wholesalers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A9NE (SE)	859	-	547183 183495
207	<b>Contemporary Trade Directory Entries</b> Name: Avontex Location: Unit 14, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Packaging Materials Manufacturers & Suppliers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	860	-	547186 183497
207	<b>Contemporary Trade Directory Entries</b> Name: Phoenix Polythene & Packaging Ltd Location: Unit 14, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Packaging Materials Manufacturers & Suppliers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	860	-	547186 183497
207	<b>Contemporary Trade Directory Entries</b> Name: R J Coachworks Location: Unit 16, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Car Body Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	861	-	547156 183459
207	<b>Contemporary Trade Directory Entries</b> Name: London V Trader Ltd Location: Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Car Dealers - Used <b>Status:</b> Active Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	867	-	547195 183497
207	<b>Contemporary Trade Directory Entries</b> Name: Allcool Radiators Ltd Location: Unit 4, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Car Radiator Servicing & Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	876	-	547222 183518
207	<b>Contemporary Trade Directory Entries</b> Name: Archtype Metal Work Location: Unit 4, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Metal Products - Fabricated <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	876	-	547222 183518
207	<b>Contemporary Trade Directory Entries</b> Name: All Cool Radiators Location: Unit 4, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Car Radiator Servicing & Repairs <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	876	-	547222 183518
207	<b>Contemporary Trade Directory Entries</b> Name: Allcool London Ltd Location: Unit 4, Rippleside Commercial Estate, Ripple Road, BARKING, Essex, IG11 0RJ Classification: Air Conditioning Equipment & Systems <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	876	-	547222 183518
207	<b>Contemporary Trade Directory Entries</b> Name: S B S Eclipse Ltd Location: Unit 13, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Garage Services <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	881	-	547209 183493
207	<b>Contemporary Trade Directory Entries</b> Name: R E P Engineering & Manufacturing Location: Unit 11, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Precision Engineers <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	900	-	547234 183494

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	<b>Contemporary Trade Directory Entries</b> Name: British Mobile Mechanic Location: Unit 11, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	905	-	547233 183484
208	<b>Contemporary Trade Directory Entries</b> Name: Breakdown 4 Car Location: 150, Cannington Road, Dagenham, RM9 4BB Classification: Car Breakdown & Recovery Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A19SE (NE)	828	-	547180 184590
209	<b>Contemporary Trade Directory Entries</b> Name: Replacement Engines Location: Unit 25, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Engine Rebuilding & Reconditioning <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	832	-	547190 183549
210	<b>Contemporary Trade Directory Entries</b> Name: Costello Cleaning Co Location: 87, Roxwell Road, Barking, Essex, IG11 0PS Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SW (S)	836	-	546442 183196
211	<b>Contemporary Trade Directory Entries</b> Name: Kdts Towing Services Location: 30, Cannington Road, Dagenham, Essex, RM9 4BL Classification: Breakdown and Recovery <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	837	-	547012 184767
212	<b>Contemporary Trade Directory Entries</b> Name: London Cleaning System Location: 192, Lodge Avenue, Dagenham, RM8 2HG Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	845	-	546613 184929
212	<b>Contemporary Trade Directory Entries</b> Name: White Car Recovery London Location: 192, Lodge Avenue, Dagenham, RM8 2HG Classification: Cleaning Services - Domestic <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	845	-	546613 184929
213	<b>Contemporary Trade Directory Entries</b> Name: Zurich Autos Location: Taylor House, Unit 4 Box La, Renwick Rd, Barking, Essex, IG11 0SQ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	852	-	546942 183294
214	<b>Contemporary Trade Directory Entries</b> Name: Kwik-Fit Location: Lambourne Rd, Barking, Essex, IG11 9PZ Classification: Tyre Dealers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	863	-	545629 184172
215	<b>Contemporary Trade Directory Entries</b> Name: Barking Hospital Location: Barking Hospital, Upney Lane, Barking, Essex, IG11 9LX Classification: Hospitals <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	871	-	545644 184306
215	<b>Contemporary Trade Directory Entries</b> Name: The Walk In Centre Location: Barking Hospital, Upney Lane, Barking, Essex, IG11 9LX Classification: Hospitals <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A12NW (W)	871	-	545644 184306
216	<b>Contemporary Trade Directory Entries</b> Name: Jewson Location: Ripple Road, Barking, Essex, IG11 0SY Classification: Builders' Merchants <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	875	-	547253 183566

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	<b>Contemporary Trade Directory Entries</b> Name: Minster Insulation & Dry Lining Location: Ripple Road, Barking, Essex, IG11 0SY Classification: Insulation Materials <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	893	-	547270 183560
217	<b>Contemporary Trade Directory Entries</b> Name: United Forktrucks (1992) Ltd Location: Unit 5, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Fork Lift Trucks <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	895	-	547241 183513
217	<b>Contemporary Trade Directory Entries</b> Name: Prontaprint Location: Unit 6, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	920	-	547269 183508
217	<b>Contemporary Trade Directory Entries</b> Name: Lords Linen Location: Unit 6, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Laundries & Laundrettes <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	927	-	547271 183499
217	<b>Contemporary Trade Directory Entries</b> Name: Prontaprint Barking & Stratford Location: Unit 7, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	937	-	547289 183509
217	<b>Contemporary Trade Directory Entries</b> Name: Prontaprint Barking & Stratford Location: Unit 7, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Printers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	937	-	547289 183509
217	<b>Contemporary Trade Directory Entries</b> Name: Al Badia Meats Location: Unit 7, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Meat - Wholesale <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	940	-	547285 183496
218	<b>Contemporary Trade Directory Entries</b> Name: Ace Foam Contracts Location: Unit 10A, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Foam Products - Rubber & Plastics <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	916	-	547221 183452
218	<b>Contemporary Trade Directory Entries</b> Name: Future Design Location: Unit 10A, Rippleside Commercial Estate, Ripple Road, Barking, Essex, IG11 0RJ Classification: Upholstery Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	916	-	547221 183452
218	<b>Contemporary Trade Directory Entries</b> Name: M K Autos Ltd Location: Unit 9, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Car Body Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	547260 183456
218	<b>Contemporary Trade Directory Entries</b> Name: L R Technic Location: Unit 9, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	547260 183456

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	<b>Contemporary Trade Directory Entries</b> Name: M & K Autos Ltd Location: Unit 9, Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Classification: Garage Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	547260 183456
219	<b>Contemporary Trade Directory Entries</b> Name: C & S Cleaning Services Location: 297, Bastable Avenue, Barking, Essex, IG11 0QJ Classification: Cleaning Services - Domestic <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	922	-	546423 183112
220	<b>Contemporary Trade Directory Entries</b> Name: S A Cleaning Services Location: 13, Clementhorpe Road, Dagenham, Essex, RM9 4BJ Classification: Commercial Cleaning Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	931	-	547164 184761
221	<b>Contemporary Trade Directory Entries</b> Name: North Eastern Recovery Location: Box La, Barking, Essex, IG11 0SE Classification: Car Breakdown & Recovery Services <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	935	-	547067 183278
221	<b>Contemporary Trade Directory Entries</b> Name: Lightning Trucks Location: Taylor House, Box La, Renwick Rd, Barking, Essex, IG11 0SQ Classification: Road Haulage Services <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	952	-	547091 183274
222	<b>Contemporary Trade Directory Entries</b> Name: Lustre Location: 166, Westrow Drive, Barking, Essex, IG11 9BP Classification: Bath Resurfacing <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	936	-	546191 184979
223	<b>Contemporary Trade Directory Entries</b> Name: Thames Launderette Location: 2, Farr Avenue, BARKING, Essex, IG11 0NZ Classification: Dry Cleaners <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	941	-	546089 183177
224	<b>Contemporary Trade Directory Entries</b> Name: Hard Floor Cleaning Barking Location: 131, Upney Lane, Barking, Essex, IG11 9LE Classification: Steam Cleaning Services <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	948	-	545644 184522
225	<b>Contemporary Trade Directory Entries</b> Name: Star Barking Location: Ripple Rd, Barking, Essex, IG11 0TT Classification: Petrol Filling Stations - 24 Hour <b>Status:</b> Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	980	-	547362 183544
226	<b>Contemporary Trade Directory Entries</b> Name: B P C Pest Control Location: 3, Pelham Avenue, Barking, IG11 9SL Classification: Pest & Vermin Control <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A7NW (W)	983	-	545559 183696
227	<b>Contemporary Trade Directory Entries</b> Name: Scrap Yard In Barking Htt Location: 292, Bastable Avenue, Barking, Essex, IG11 0LJ Classification: Car Breakers & Dismantlers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	995	-	546513 183034
227	<b>Contemporary Trade Directory Entries</b> Name: Scrap Yard In Barking Htt Location: 292, Bastable Avenue, Barking, Essex, IG11 0LJ Classification: Car Breakers & Dismantlers <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	995	-	546513 183034

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	<b>Contemporary Trade Directory Entries</b> Name: 1st Class Flight Services Location: 292, Bastable Avenue, Barking, Essex, IG11 0LJ Classification: Packaging & Wrapping Equipment & Supplies <b>Status:</b> Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	995	-	546513 183034
228	<b>Contemporary Trade Directory Entries</b> Name: Baboo Wholesale Meats Ltd Location: Rima House, Ripple Road, Barking, IG11 0RH Classification: Meat - Wholesale <b>Status:</b> Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	997	-	547344 183482
229	<b>Fuel Station Entries</b> Name: Mayesbrook Location: Ripple Road , , Barking, Outer London, IG11 9PG Brand: Obsolete Premises Type: Not Applicable <b>Status:</b> Obsolete Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	427	-	546202 183710
230	<b>Fuel Station Entries</b> Name: Shell Ripple Road Location: 514, Ripple Road Newnham Way, , Barking, Outer London, IG11 9PG Brand: SHELL Premises Type: Petrol Station <b>Status:</b> Open Positional Accuracy: Automatically positioned to the address	A8NW (SW)	436	-	546244 183667
231	<b>Fuel Station Entries</b> Name: Barking Express Location: Ripple Road , , Barking, Outer London, IG11 9PG Brand: ESSO Premises Type: Petrol Station <b>Status:</b> Open Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	466	-	546142 183714
232	<b>Points of Interest - Commercial Services</b> Name: Bobs Mobile Service Location: 415 Lodge Avenue, Dagenham, RM9 4QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	77	6	546579 183995
232	<b>Points of Interest - Commercial Services</b> Name: Bob's Mobile Service Location: 415 Lodge Avenue, Dagenham, RM9 4QD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	77	6	546579 183995
233	<b>Points of Interest - Commercial Services</b> Name: As Soon As Possible Ltd Location: 501 Ripple Road, Dagenham, RM9 4QP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (SW)	365	6	546307 183712
233	<b>Points of Interest - Commercial Services</b> Name: Master Tech Location: 514 Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546244 183667
233	<b>Points of Interest - Commercial Services</b> Name: Mayesbrook Motors Location: 514 Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546244 183667
233	<b>Points of Interest - Commercial Services</b> Name: Car Wash Location: 514 Ripple Road, Barking, IG11 9PG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546244 183667



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	<b>Points of Interest - Commercial Services</b> Name: Mays Brook Autos Ltd Location: 514 Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546244 183667
234	<b>Points of Interest - Commercial Services</b> Name: O M Engineers Location: 514 Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	486	6	546071 183775
235	<b>Points of Interest - Commercial Services</b> Name: A K Auto Group Location: 1 Ripple Villas, Ripple Road, Barking, IG11 0SR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	488	6	546783 183625
236	<b>Points of Interest - Commercial Services</b> Name: PHS Location: Unit 2 The Invicta Centre, Alfreds Way, Barking, IG11 0BA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	494	6	546379 183548
237	<b>Points of Interest - Commercial Services</b> Name: Kwik-Fit (GB) Limited Location: Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	509	6	546048 183767
237	<b>Points of Interest - Commercial Services</b> Name: Kwik-Fit (GB) Limited Location: Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	509	6	546048 183768
237	<b>Points of Interest - Commercial Services</b> Name: Dagenham Motors Location: Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	527	6	546014 183792
237	<b>Points of Interest - Commercial Services</b> Name: Mobile Vehicle Servicing Location: 76 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	543	6	546039 183719
237	<b>Points of Interest - Commercial Services</b> Name: Trust Ford Location: Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	547	6	545997 183780
237	<b>Points of Interest - Commercial Services</b> Name: Dagenham Motors Ltd Location: Ripple Road, Barking, IG11 9PG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	547	6	545997 183780
237	<b>Points of Interest - Commercial Services</b> Name: P J Harris Location: 78 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	559	6	546022 183714
237	<b>Points of Interest - Commercial Services</b> Name: Auto Tekniques Ltd Location: 75 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	574	6	545993 183733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
237	<b>Points of Interest - Commercial Services</b> Name: A C L Autos Location: 71 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	574	6	545993 183733
237	<b>Points of Interest - Commercial Services</b> Name: A C L Autos Location: 71 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (SW)	575	6	545992 183732
238	<b>Points of Interest - Commercial Services</b> Name: Engine Solutions Ltd Location: Manor House, 6-8, Creek Road, Barking, IG11 Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	518	6	546242 183573
238	<b>Points of Interest - Commercial Services</b> Name: Reliance Engines Ltd Location: Manor House, 6-8, Creek Road, Barking, IG11 Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	518	6	546242 183573
239	<b>Points of Interest - Commercial Services</b> Name: IMO - arc Clean Car Centres Location: Ripple Rd, Barking, IG11 9RY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SE (W)	526	6	545977 183890
239	<b>Points of Interest - Commercial Services</b> Name: IMO - arc Clean Car Centres Location: 512 Ripple Road, Barking, IG11 9PG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SE (W)	532	6	545984 183848
239	<b>Points of Interest - Commercial Services</b> Name: IMO - arc Clean Car Centres Location: 512 Ripple Road, Barking, IG11 9PG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SE (W)	532	6	545984 183848
240	<b>Points of Interest - Commercial Services</b> Name: Thameside Freight Services Ltd Location: Castle Works 721, Ripple Road, Barking, IG11 0SN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	553	6	546874 183612
240	<b>Points of Interest - Commercial Services</b> Name: Thameside Freight Services Location: Castle Works 721, Ripple Road, Barking, IG11 0SN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	553	6	546873 183612
240	<b>Points of Interest - Commercial Services</b> Name: D T Trucks Ltd Location: Castle Works 721, Ripple Road, Barking, IG11 0SN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	553	6	546873 183612
240	<b>Points of Interest - Commercial Services</b> Name: East London Mobile Tyre Service Location: Ripple Road, Barking, IG11 0SN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	576	6	546897 183602
241	<b>Points of Interest - Commercial Services</b> Name: Dent Detective Location: 79 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	574	6	546030 183680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<b>Points of Interest - Commercial Services</b> Name: Barking M O T Centre Location: 83 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	583	6	546040 183653
241	<b>Points of Interest - Commercial Services</b> Name: London Code Location: 86 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	597	6	546033 183640
241	<b>Points of Interest - Commercial Services</b> Name: C & D Services Location: 80 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	620	6	546014 183626
241	<b>Points of Interest - Commercial Services</b> Name: C & D Services Location: 80 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	620	6	546014 183626
241	<b>Points of Interest - Commercial Services</b> Name: Daves Bodywork Location: 86 Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	620	6	546014 183626
241	<b>Points of Interest - Commercial Services</b> Name: A1 Bodyshop Ltd Location: 80 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	621	6	546013 183626
241	<b>Points of Interest - Commercial Services</b> Name: Medina Autos Location: 69a Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654
241	<b>Points of Interest - Commercial Services</b> Name: C B Autos Location: 70b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654
241	<b>Points of Interest - Commercial Services</b> Name: Trans Marine (London) Ltd Location: 59-60 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654
241	<b>Points of Interest - Commercial Services</b> Name: Premier Location: 70-70a Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654
241	<b>Points of Interest - Commercial Services</b> Name: Swift Car Repairs Location: 67 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654
241	<b>Points of Interest - Commercial Services</b> Name: Stevens & Gill Panelcraft Location: 54 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<b>Points of Interest - Commercial Services</b> Name: Executive Cars Location: 55 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654
241	<b>Points of Interest - Commercial Services</b> Name: Mr Raj Gul Parts Buy Msn Location: Unit 69 Barking Road Industrial Estate, Ripple Road, Barking, Essex, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	625	6	545985 183654
241	<b>Points of Interest - Commercial Services</b> Name: Mr Sukhvinder Kalsi Location: 67-67a Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545985 183653
241	<b>Points of Interest - Commercial Services</b> Name: Silver Coachworks Ltd Location: 53-55 Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545984 183654
241	<b>Points of Interest - Commercial Services</b> Name: Williams Metal Fabrications Ltd Location: 49 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545985 183653
241	<b>Points of Interest - Commercial Services</b> Name: Thigan Motors Location: 65 Barking Industrial Park, Alfreds Way, Barking, Essex, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545984 183654
241	<b>Points of Interest - Commercial Services</b> Name: Swift Car Repairs Location: 67-67a Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545985 183653
241	<b>Points of Interest - Commercial Services</b> Name: C B Autos Location: 70b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545985 183653
241	<b>Points of Interest - Commercial Services</b> Name: Trans Marine Location: 59-60 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545985 183653
241	<b>Points of Interest - Commercial Services</b> Name: Stevens & Gill Bodycraft Ltd Location: 54 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	626	6	545985 183653
241	<b>Points of Interest - Commercial Services</b> Name: Redline Garage Location: 27 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183633
241	<b>Points of Interest - Commercial Services</b> Name: P J Harris Location: 78 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<b>Points of Interest - Commercial Services</b> Name: Satbachan Garage Location: 41 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: Williams Metal Fabrications Ltd Location: 25 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: Tiger Motors Location: 32 Barking Ind Pk, Alfreds Way, Barking, Essex, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183633
241	<b>Points of Interest - Commercial Services</b> Name: Sprayrite Panelcraft Ltd Location: 40 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: Sira Motors Location: 42 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: Merlin Components (London) Ltd Location: 26 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: S C Refinishing Ltd Location: 39b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: Merlin Components London Ltd Location: 26 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: Sira Motors Location: 42 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183633
241	<b>Points of Interest - Commercial Services</b> Name: Tiger Motor Engineering Location: 32 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183633
241	<b>Points of Interest - Commercial Services</b> Name: Satbachan Garage Location: 41 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: Tiveys Panelcraft Location: 40 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183633



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	<b>Points of Interest - Commercial Services</b> Name: H S M Body Work & Spray Specialists Location: 33 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: S C Refinishing Ltd Location: 39b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
241	<b>Points of Interest - Commercial Services</b> Name: S C Refinishing Ltd Location: 39b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183634
242	<b>Points of Interest - Commercial Services</b> Name: Autostop Car Care Centre Ltd Location: 429 Porters Avenue, Dagenham, RM9 4ND Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	590	6	546735 184639
242	<b>Points of Interest - Commercial Services</b> Name: Autostop Location: 429 Porters Avenue, Dagenham, RM9 4ND Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	591	6	546735 184639
242	<b>Points of Interest - Commercial Services</b> Name: D K K Logistics Ltd Location: 466 Porters Avenue, Dagenham, RM8 2EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SE (N)	628	6	546728 184682
243	<b>Points of Interest - Commercial Services</b> Name: Quickmarsh Ltd Location: Unit B2 25 Eastern Approach, Alfreds Way, Barking, IG11 0AG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (SW)	623	6	546206 183473
243	<b>Points of Interest - Commercial Services</b> Name: Ferndales Test Centre Location: 6 Alfreds Way Industrial Estate, Alfreds Way, Barking, IG11 0AS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	632	6	546132 183507
244	<b>Points of Interest - Commercial Services</b> Name: M L Brands Ltd Location: Unit 8 Davenport Centre, Renwick Road, Barking, IG11 0SH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NE (SE)	641	6	546835 183476
244	<b>Points of Interest - Commercial Services</b> Name: Range Rover Engine Specialist Location: Unit 6 Davenport Centre, Renwick Road, Barking, IG11 0SH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	656	6	546847 183466
244	<b>Points of Interest - Commercial Services</b> Name: Jap Engines Location: Unit 4 Davenport Centre, Renwick Road, Barking, IG11 0SH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	665	6	546869 183470
244	<b>Points of Interest - Commercial Services</b> Name: Global Engines & Gear Boxes Ltd Location: Unit 4 Davenport Centre, Renwick Road, Barking, IG11 0SH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	665	6	546869 183470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
244	<b>Points of Interest - Commercial Services</b> Name: Uneek Forwarding Ltd Location: Unit 1-2 Davenport Centre, Renwick Road, Barking, IG11 0SH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	671	6	546882 183470
244	<b>Points of Interest - Commercial Services</b> Name: Patrol Freight Services Location: Unit 1 Renwick Industrial Estate, Renwick Road, Barking, IG11 0SD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	671	6	546883 183471
244	<b>Points of Interest - Commercial Services</b> Name: Uneek Group Location: Unit 1-2 Renwick Industrial Estate, Renwick Road, Barking, IG11 0SD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	671	6	546882 183470
245	<b>Points of Interest - Commercial Services</b> Name: Kwik Start Location: 28 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	662	6	545929 183670
245	<b>Points of Interest - Commercial Services</b> Name: TNT Express Location: Unit 2c-3c Eastern Approach, 25 Alfred's Way, Barking, IG11 0TJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	685	6	545923 183637
245	<b>Points of Interest - Commercial Services</b> Name: S C Refinishing Location: 39b Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	700	6	545920 183615
245	<b>Points of Interest - Commercial Services</b> Name: Thompson Motors Location: 21 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	737	6	545877 183613
245	<b>Points of Interest - Commercial Services</b> Name: A & A Motors Location: 18 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	737	6	545877 183613
245	<b>Points of Interest - Commercial Services</b> Name: Automech Services Location: 20 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	737	6	545877 183613
245	<b>Points of Interest - Commercial Services</b> Name: E & G Location: 2 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	737	6	545877 183613
245	<b>Points of Interest - Commercial Services</b> Name: D C Autos Location: Unit 17 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	737	6	545877 183613
245	<b>Points of Interest - Commercial Services</b> Name: Alloway Technology Location: 16-17 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	738	6	545876 183612

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	<b>Points of Interest - Commercial Services</b> Name: B M Bodyworks Ltd Location: 17 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	738	6	545876 183612
245	<b>Points of Interest - Commercial Services</b> Name: M & A Motors Ltd Location: 17 Barking Ind Park, Alfreds Way, Barking, Essex, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	738	6	545876 183612
245	<b>Points of Interest - Commercial Services</b> Name: A & A Motors Location: 18 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	738	6	545876 183612
245	<b>Points of Interest - Commercial Services</b> Name: Thompson Motors Location: 21 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	738	6	545876 183612
245	<b>Points of Interest - Commercial Services</b> Name: Automech Services Location: Unit 20 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	738	6	545876 183612
245	<b>Points of Interest - Commercial Services</b> Name: C & D Services Location: 1 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	806	6	545833 183556
246	<b>Points of Interest - Commercial Services</b> Name: I M O Car Wash Location: 496 Ripple Road, Barking, IG11 9RY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SW (W)	679	6	545812 183928
247	<b>Points of Interest - Commercial Services</b> Name: Sihra Automobile Engineers Location: 6 Edgefield Court, Edgefield Avenue, Barking, IG11 9JP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	736	6	545827 184415
247	<b>Points of Interest - Commercial Services</b> Name: Sihra Automobile Engineers Location: 6 Edgefield Court The Drive, Off Upney Lane, Barking, Essex, IG11 9JP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	736	6	545826 184414
248	<b>Points of Interest - Commercial Services</b> Name: Replacement Engines Location: Unit 25 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	751	6	546988 183449
248	<b>Points of Interest - Commercial Services</b> Name: B K Automotive Location: Unit 25 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	751	6	546988 183450
249	<b>Points of Interest - Commercial Services</b> Name: K D T S Towing Services Location: 30 Cannington Road, Dagenham, RM9 4BL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19NW (NE)	837	6	547012 184767

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	<b>Points of Interest - Commercial Services</b> Name: Arco Environmental Ltd Location: Unit 15 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9NW (SE)	839	6	547168 183509
250	<b>Points of Interest - Commercial Services</b> Name: Arco Environmental Ltd Location: Unit 15 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9NW (SE)	839	6	547168 183509
250	<b>Points of Interest - Commercial Services</b> Name: R J Coachworks Location: 16 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	853	6	547156 183472
250	<b>Points of Interest - Commercial Services</b> Name: R J Coachworks Location: Unit 16 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	853	6	547156 183472
250	<b>Points of Interest - Commercial Services</b> Name: M & K Autos Ltd Location: Unit 9a Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	859	6	547183 183495
250	<b>Points of Interest - Commercial Services</b> Name: Arco Environmental Ltd Location: 15 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9NE (SE)	859	6	547190 183505
250	<b>Points of Interest - Commercial Services</b> Name: Arco Environmental Location: Unit 15 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9NE (SE)	859	6	547190 183505
250	<b>Points of Interest - Commercial Services</b> Name: M & K Autos Ltd Location: Unit 9a Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	867	6	547189 183490
250	<b>Points of Interest - Commercial Services</b> Name: Allcool London Ltd Location: Unit 4 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	876	6	547222 183518
250	<b>Points of Interest - Commercial Services</b> Name: S B S Ltd Location: Unit 13 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	880	6	547210 183495
250	<b>Points of Interest - Commercial Services</b> Name: S B S Eclipse Ltd Location: Unit 13 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	881	6	547210 183494
250	<b>Points of Interest - Commercial Services</b> Name: British Mobile Mechanic Location: Unit 11 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	905	6	547233 183484

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	<b>Points of Interest - Commercial Services</b> Name: C & D Services Location: Unit 10 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	916	6	547221 183452
250	<b>Points of Interest - Commercial Services</b> Name: L R Technic Location: Unit 9 Rippleside Commercial Estate, Ripple Road, Barking, IG11 0RJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	944	6	547260 183456
251	<b>Points of Interest - Commercial Services</b> Name: Autofix Barking Location: Rima House, Ripple Road, Barking, IG11 0RH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	933	6	547200 183400
252	<b>Points of Interest - Education and Health</b> Name: Barking Community Hospital Location: Barking Hospital, Upney Lane, Barking, IG11 9LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NW (W)	871	6	545643 184305
252	<b>Points of Interest - Education and Health</b> Name: Barking Hospital Location: Barking Hospital, Upney Lane, Barking, IG11 9LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NW (W)	871	6	545644 184306
252	<b>Points of Interest - Education and Health</b> Name: Barking Hospital Location: Barking Hospital, Upney Lane, Barking, IG11 9LX Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NW (W)	871	6	545644 184306
253	<b>Points of Interest - Manufacturing and Production</b> Name: London Works Location: IG11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	418	6	546550 183613
253	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: IG11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	447	6	546602 183591
253	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	449	6	546606 183590
253	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	467	6	546685 183596
254	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	434	6	546409 183604
254	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: IG11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	435	6	546406 183603



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	481	6	546160 183675
255	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: IG11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	485	6	546156 183674
256	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	504	6	546049 183776
256	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: IG11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	505	6	546049 183773
257	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	535	6	546811 183587
257	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: IG11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	543	6	546861 183615
258	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	566	6	546093 183621
258	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	619	6	546009 183633
258	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: IG11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	619	6	546009 183633
258	<b>Points of Interest - Manufacturing and Production</b> Name: Barking Industrial Park Location: IG11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	680	6	545946 183614
258	<b>Points of Interest - Manufacturing and Production</b> Name: Stone Surface Ltd Location: 24 Barking Industrial Park, Alfreds Way, Barking, IG11 0TJ Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A7NE (SW)	683	6	545928 183633
258	<b>Points of Interest - Manufacturing and Production</b> Name: Barking Industrial Park Location: IG11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	689	6	545935 183614

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	597	6	546335 183453
259	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	612	6	546333 183438
260	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	611	6	546909 183566
260	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	674	6	546933 183504
261	<b>Points of Interest - Manufacturing and Production</b> Name: Alfred's Way Industrial Estate Location: IG11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	668	6	546096 183487
261	<b>Points of Interest - Manufacturing and Production</b> Name: Alfred's Way Industrial Estate Location: IG11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	673	6	546090 183485
262	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	677	6	546748 183395
263	<b>Points of Interest - Manufacturing and Production</b> Name: Wayside Commercial Estate Location: IG11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	716	6	545983 183519
263	<b>Points of Interest - Manufacturing and Production</b> Name: Air Shaft Location: IG11 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	769	6	545939 183488
264	<b>Points of Interest - Manufacturing and Production</b> Name: Rippleside Commercial Estate Location: IG11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	769	6	546975 183416
265	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	787	6	547096 183504
265	<b>Points of Interest - Manufacturing and Production</b> Name: Commercial Estate Location: IG11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	793	6	547060 183457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
266	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: IG11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	937	6	547260 183467
267	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	13	6	546504 184017
267	<b>Points of Interest - Public Infrastructure</b> Name: Cemetery Location: RM9 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	13	6	546504 184017
268	<b>Points of Interest - Public Infrastructure</b> Name: Maymist Coaches Ltd Location: 53 Keir Hardie Way, Barking, IG11 9NU Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A13NW (NW)	48	6	546467 184134
269	<b>Points of Interest - Public Infrastructure</b> Name: Rippleside Burial Ground Location: IG11 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	210	6	546274 184015
269	<b>Points of Interest - Public Infrastructure</b> Name: Rippleside Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	234	6	546250 184016
269	<b>Points of Interest - Public Infrastructure</b> Name: Rippleside Cemetery Office Location: Ripple Road, Barking, IG11 9PF Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A13SW (W)	313	6	546180 183953
270	<b>Points of Interest - Public Infrastructure</b> Name: Rippleside Burial Ground Location: IG11 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	258	6	546283 183868
271	<b>Points of Interest - Public Infrastructure</b> Name: Shell Ripple Road Location: 514 Ripple Road, Barking, IG11 9PG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546243 183667
271	<b>Points of Interest - Public Infrastructure</b> Name: Shell Service Station Location: 514 Ripple Road, Barking, IG11 9PG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546243 183667
271	<b>Points of Interest - Public Infrastructure</b> Name: Shell Ripple Road Location: 514 Ripple Road, Barking, IG11 9PG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546244 183667
271	<b>Points of Interest - Public Infrastructure</b> Name: Shell Ripple Road Location: 514 Ripple Road, Barking, IG11 9PG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SW)	436	6	546243 183667

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
271	<b>Points of Interest - Public Infrastructure</b> Name: Shell Service Station Location: 514 Ripple Road, Barking, IG11 9PG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NW (SW)	440	6	546236 183668
272	<b>Points of Interest - Public Infrastructure</b> Name: Arriva Plc Location: John George and Sons Limited 638, Ripple Road, Barking, IG11 0SR Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8NE (S)	462	6	546663 183593
273	<b>Points of Interest - Public Infrastructure</b> Name: Tesco Petrol Station Location: Tesco Express Esso Petrol Filling Station, Ripple Road, Barking, IG11 9PG Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	465	6	546140 183717
273	<b>Points of Interest - Public Infrastructure</b> Name: Barking Express Location: Ripple Road, Barking, IG11 9RS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	466	6	546142 183714
273	<b>Points of Interest - Public Infrastructure</b> Name: Esso Location: Ripple Road, Barking, IG11 0SN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SE (SW)	484	6	546072 183776
274	<b>Points of Interest - Public Infrastructure</b> Name: Eastbrookend Cemetery Location: Cemetery Lodge, Ripple Road, Barking, IG11 9PF Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to address or location	A12SE (W)	485	6	546010 183928
274	<b>Points of Interest - Public Infrastructure</b> Name: Rippleside Burial Ground Location: IG11 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	503	6	545988 183947
274	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	551	6	545944 183917
274	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	553	6	545943 183913
275	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	662	6	546151 184661
275	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	664	6	546148 184662
275	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	672	6	546143 184668

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
275	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	673	6	546141 184668
275	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	723	6	546144 184727
275	<b>Points of Interest - Public Infrastructure</b> Name: Weir Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	725	6	546141 184728
275	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	753	6	546105 184740
275	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	753	6	546110 184742
276	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	841	6	545793 183551
276	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	846	6	545788 183550
277	<b>Points of Interest - Public Infrastructure</b> Name: Sluice Location: IG11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	945	6	545759 183424
278	<b>Points of Interest - Public Infrastructure</b> Name: Churchil Ltd Location: 12 Glenmore Way, Barking, IG11 0LY Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A8SW (S)	973	6	546320 183072
279	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: IG11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	218	6	546287 184176
280	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	402	6	546835 183792
280	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Goresbrook Road, RM9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SE (SE)	402	6	546837 183795



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
281	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Woodbridge Road, RM8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18NW (N)	782	6	546427 184871
281	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	785	6	546445 184875
282	<b>Points of Interest - Recreational and Environmental</b> Name: Skatepark Location: IG11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	833	6	546494 183196
282	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: IG11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	838	6	546488 183191
283	<b>Points of Interest - Recreational and Environmental</b> Name: Skateboard Park Location: Ripple Road, RM9 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NE (SE)	849	6	547280 183672
284	<b>Points of Interest - Recreational and Environmental</b> Name: Play Area Location: IG11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	855	6	546834 183238
285	<b>Points of Interest - Recreational and Environmental</b> Name: Balancing Pond Location: IG11 Category: Bodies of Water Class Code: Settling, Balancing and Silt Ponds Positional Accuracy: Positioned to address or location	A7NW (SW)	864	6	545759 183561
286	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007568 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A8SW (S)	717	7	546221 183364
287	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007569 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A8SW (S)	718	7	546221 183363
288	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007567 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A8SW (SW)	719	7	546209 183367
289	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007566 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A8SW (SW)	720	7	546209 183366

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
290	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007573 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A7NE (SW)	791	7	545931 183464
291	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007574 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A7NE (SW)	792	7	545931 183463
292	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007570 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A8SW (S)	919	7	546256 183140
293	<b>Underground Electrical Cables</b> Unique Feature Identifier: 10007845 Cable Status: Commissioned Cable Type: Alternating Current Record Last Updated: 26th October 2017	A8SW (S)	920	7	546256 183139

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
294	<b>Local Nature Reserves</b> Name: Mayesbrook Park, South Multiple Area: N Area (m2): 75497.57 Source: Natural England Designation Date: 1st January 2005	A13NW (N)	272	8	546453 184360

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> London Borough of Greenwich - Environmental Health Department London Borough of Bexley - Environmental Health Department London Borough of Barking And Dagenham - Health and Consumer Services Environment Agency - Head Office London Borough of Newham - Environmental Health Department London Borough of Redbridge - Environmental Health Department London Borough of Havering - Environmental Health Department	April 2014 January 2015 July 2014 June 2020 March 2015 October 2014 October 2017	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Southern Region Environment Agency - Thames Region	July 2020 July 2020	Quarterly Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Thames Region	March 2013	Annual Rolling Update
<b>Integrated Pollution Controls</b> Environment Agency - Thames Region	October 2008	Variable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region	July 2020 July 2020 July 2020	Quarterly Quarterly Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> London Borough of Havering - Environmental Health Department London Borough of Redbridge - Environmental Health Department London Borough of Greenwich - Environmental Health Department London Borough of Bexley - Environmental Health Department London Borough of Barking And Dagenham - Environmental Health Department London Port Health Authority - Environmental Services London Borough of Newham - Environmental Health Department	April 2015 December 2014 June 2014 March 2015 May 2016 October 2014 September 2013	Variable Variable Variable Variable Variable Variable Variable
<b>Local Authority Pollution Prevention and Controls</b> London Borough of Havering - Environmental Health Department London Borough of Redbridge - Environmental Health Department London Borough of Greenwich - Environmental Health Department London Borough of Bexley - Environmental Health Department London Borough of Newham - Environmental Health Department London Borough of Barking And Dagenham - Environmental Health Department London Port Health Authority - Environmental Services	April 2015 December 2014 June 2014 March 2015 March 2015 May 2016 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> London Borough of Havering - Environmental Health Department London Borough of Redbridge - Environmental Health Department London Borough of Greenwich - Environmental Health Department London Borough of Bexley - Environmental Health Department London Borough of Barking And Dagenham - Environmental Health Department London Port Health Authority - Environmental Services London Borough of Newham - Environmental Health Department	April 2015 December 2014 June 2014 March 2015 May 2016 October 2014 September 2013	Variable Variable Variable Variable Variable Variable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	August 2020	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Southern Region Environment Agency - Thames Region	December 1999 September 1999	Not Applicable Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Thames Region	March 2013	Annual Rolling Update
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Thames Region	March 2013	Annual Rolling Update
<b>Registered Radioactive Substances</b> Environment Agency - Thames Region	June 2016	

Agency & Hydrological	Version	Update Cycle
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	July 2020 July 2020 July 2020 July 2020	Quarterly Quarterly Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Southern Region Environment Agency - Thames Region	July 2020 July 2020	Quarterly Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Thames Region	October 2017	Quarterly
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	October 2019	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	September 2020	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	September 2020	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	September 2020	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	September 2020	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	September 2020	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	June 2020	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	Annually
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually



Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	October 2019	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Thames Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	July 2020 July 2020 July 2020 July 2020	Quarterly Quarterly Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	July 2020 July 2020 July 2020 July 2020	Quarterly Quarterly Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> London Borough of Barking And Dagenham - Environmental Health Department London Borough of Bexley - Environmental Health Department London Borough of Greenwich - Environmental Health Department London Borough of Havering - Environmental Health Department London Borough of Newham London Borough of Redbridge - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> London Borough of Barking And Dagenham - Environmental Health Department London Borough of Bexley - Environmental Health Department London Borough of Greenwich - Environmental Health Department London Borough of Havering - Environmental Health Department London Borough of Newham London Borough of Redbridge - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	June 2015 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> London Borough of Barking And Dagenham London Borough of Greenwich - Planning Department London Borough of Havering - Planning Department London Borough of Newham London Borough of Redbridge London Port Health Authority - Environmental Services London Borough of Bexley - Development Control	February 2016 February 2016 February 2016 February 2016 February 2016 January 2008 January 2016	Variable Variable Variable Variable Variable Annual Rolling Update Variable
<b>Planning Hazardous Substance Consents</b> London Borough of Barking And Dagenham London Borough of Greenwich - Planning Department London Borough of Havering - Planning Department London Borough of Newham London Borough of Redbridge London Port Health Authority - Environmental Services London Borough of Bexley - Development Control	February 2016 February 2016 February 2016 February 2016 February 2016 January 2008 January 2016	Variable Variable Variable Variable Variable Annual Rolling Update Variable








Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	June 2020	Bi-Annually
<b>BGS Urban Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>BGS Urban Soil Chemistry Averages</b> British Geological Survey - National Geoscience Information Service	October 2015	Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	July 2020	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	September 2020	Quarterly
<b>Gas Pipelines</b> National Grid	September 2020	
<b>Points of Interest - Commercial Services</b> PointX	September 2020	Quarterly
<b>Points of Interest - Education and Health</b> PointX	September 2020	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	September 2020	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	September 2020	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	September 2020	Quarterly
<b>Underground Electrical Cables</b> National Grid	August 2020	

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	April 2020	Bi-Annually
<b>Areas of Adopted Green Belt</b> London Borough of Barking And Dagenham London Borough of Bexley - Development Control London Borough of Greenwich London Borough of Havering - Planning Department London Borough of Newham London Borough of Redbridge	June 2020 June 2020 June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> London Borough of Barking And Dagenham London Borough of Bexley - Development Control London Borough of Greenwich London Borough of Havering - Planning Department London Borough of Newham London Borough of Redbridge	June 2020 June 2020 June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	June 2019	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	April 2020	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Parks</b> Natural England	April 2017	Bi-Annually
<b>Nitrate Sensitive Areas</b> Natural England	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
<b>Ramsar Sites</b> Natural England	August 2020	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	May 2020	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2020	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2019	Bi-Annually



A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
3	<b>London Borough of Barking And Dagenham - Environmental Health Department</b> Roycroft House, Linton Road, Barking, Essex, IG11 8HE	Telephone: 020 8592 4500 Fax: 020 82272806 Website: <a href="http://www.barking-dagenham.gov.uk">www.barking-dagenham.gov.uk</a>
4	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: <a href="mailto:customerservices@ordnancesurvey.co.uk">customerservices@ordnancesurvey.co.uk</a> Website: <a href="http://www.ordnancesurvey.gov.uk">www.ordnancesurvey.gov.uk</a>
6	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: <a href="http://www.pointx.co.uk">www.pointx.co.uk</a>
7	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: <a href="mailto:helpdesk@landmark.co.uk">helpdesk@landmark.co.uk</a> Website: <a href="http://www.landmark.co.uk">www.landmark.co.uk</a>
8	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: <a href="mailto:enquiries@naturalengland.org.uk">enquiries@naturalengland.org.uk</a> Website: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a>
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: <a href="mailto:radon@phe.gov.uk">radon@phe.gov.uk</a> Website: <a href="http://www.ukradon.org">www.ukradon.org</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.