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ENVIRONMENTAL CONSULTING , SOFTWARE & TRAINING

CONTAMINATED LAND RISK ASSESSMENT

Phase 1 Desk Study Report

Site Address
Land Between 43 and 45 Camplin Street
London
SE14 5QX

Client
Lewisham Council

Report Reference
PH1-2025-000065

Prepared by
STM Environmental Consultants Ltd

Date
03/06/2025



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2 DOCUMENT CONTROL

CONTAMINATED LAND RISK ASSESSMENT
Phase 1 Desk Study Report

Site Address:	Land Between 43 and 45 Camplin Street London SE14 5QX
Site Coordinates:	535736, 177285
Prepared for:	Lewisham Council
Report Reference:	PH1-2025-000065
Version No:	1.0
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3 DISCLAIMER

This report and any information or advice which it contains, is provided by STM Environmental Consultants Ltd (STM) and can only be used and relied upon by Lewisham Council (Client). Any party other than the Client using or placing reliance upon any information contained in this report, do so at their own risk.

STM has exercised such professional skill, care and diligence as may reasonably be expected of a properly qualified and competent consultant when undertaking works of this nature. However, STM gives no warranty, representation or assurance as to the accuracy or completeness of any information, assessments or evaluations presented within this report.

It is noted that some of the findings presented in this report are based on information obtained from third parties (i.e. Environmental Search Report). Whilst we assume that all information is representative of the site and of present conditions, we can offer no guarantee as to its validity regarding the short term or long-term history of the Site.

This report excludes consideration of potential hazards arising from any activities at the Site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities.

It should be noted that this report has been produced for environmental purposes only. It should not in any way be construed to be or used to replace a geotechnical survey, structural survey, asbestos survey, buried services survey, unexploded ordnance survey or Invasive Plant Survey.

4 EXECUTIVE SUMMARY

SECTION	SUMMARY
Site Location And Size	The site is located at Land Between 43 and 45 Camplin Street, London SE14 5QX and is centred at national grid reference 535736, 177285. The site has an area of approximately 0.03ha.
Current Site Use	The site currently comprises a small number of outbuildings and storage facilities, with the site entirely covered in hardstand. The main current use in the immediate surrounding area comprises predominantly residential dwellings.
Proposed Development	The development proposal is for a new build construction. It is unknown if there are proposals to include soft landscaping in the development, but for the purpose of this report it has been assumed that there will be.
Site History	Examination of Ordnance Survey historic maps revealed that since the earliest mapping from c.1868, the site comprised open undeveloped land. By c.1894, following development in the surrounding area, the site comprised an undeveloped plot of land in between residential developments. Information identified on the online planning portal from 1995 indicated that permission was granted for the site to be used as a Builder's Yard. The surrounding area has been predominantly open undeveloped land until widescale residential development occurred in all directions in the 1890s.
Geology	According to BGS, the bedrock geology beneath the site consists of Lewes Nodular Chalk Formation, Seaford Chalk Formation and Newhaven Chalk Formation (Undifferentiated) comprising Chalk, whilst the eastern half of the site consists of Thanet Formation comprising Sand. The superficial deposits are Langley Silt Member comprising Clay and Silt.
Topography	The site is at an elevation of approximately 2mAOD (above Ordnance Datum).
Hydrogeology	The Environment Agency classifies the superficial deposits as an Unproductive Aquifer. The bedrock is classified as a Principal Aquifer in the west of the site, and as a Secondary A Aquifer in the east of the site.
Hydrology	There are no surface water bodies located on or within 250m of the site.
Ecology	There are no designated ecological receptors located on or within 250m of the site.
Relevant Previous Site Investigations	London Borough of Lewisham's online planning portal was searched in an effort to identify any relevant planning applications within a 25m radius. No relevant Contaminated Land Reports were identified in the search.
Contamination Assessment	On site potentially contaminative land uses (PCLUs) have included a Builder's Yard while no off site PCLUs were identified. A conceptual site risk model was developed and a qualitative risk assessment carried out. Potentially significant potential pollutant linkages were identified in respect of: ▪ Human Health Receptors (i.e. Future Occupiers/Users) - via ingestion,

	dermal absorption; - Property Receptors - Damage to buildings and services due to exposure to aggressive chemicals in the soil. The identified risks are considered to be Low-Moderate.
Recommendations	Given that potentially significant potential pollutant linkages were identified, it is recommended that an intrusive site investigation is undertaken with the objective of determining the presence and extent of any soil contamination at the site.
This table is intended as a summary of the desk study findings and should be read in conjunction with the main report.	

5 INTRODUCTION

STM Environmental Consultants Ltd (STM) were commissioned by Lewisham Council (Client) to undertake a Phase 1 Contaminated Land Risk Assessment (CLRA) at a site located at Land Between 43 and 45 Camplin Street, London SE14 5QX.

The study is required to support the redevelopment of the site.

5.1 Development Proposal

The development proposal is for a new build construction. It is unknown if there are proposals to include soft landscaping in the development, but for the purpose of this report it has been assumed that there will be.

A site location plan is contained in Appendix 1.

6 CONTEXT AND OBJECTIVES FOR THE RISK ASSESSMENT

6.1 Legislative Context

6.1.1 Part IIA

Part IIA of the Environmental Protection Act 1990, which came into force in England in April 2000 and in Wales in July 2001, introduced a new statutory regime for the identification and remediation of contaminated land in the United Kingdom.

The legislation considers risks from contaminated land to human beings, controlled waters (surface and ground water), protected ecological systems and property. Under the legislation “contaminated land” is defined as:

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

(a) Significant harm is being caused or there is significant possibility of such harm being caused: or

(b) Pollution of controlled waters is being caused, or is likely to be, caused."

In order for land to be considered contaminated, there must be a contaminant, a receptor and a pathway (via which the contaminant can reach the receptor) present at the site. When these three components are identified at a site, a *pollutant linkage* is said to exist.

Pollutant Linkage = Contaminant –> Pathway –> Receptor

In order for a local authority to determine that a site is contaminated land, it must be satisfied that the pollutant linkage is a *significant pollutant linkage* and that the land in question is causing, or that there is a significant possibility that it will cause significant harm (SPOSH) to humans, habitats, buildings or livestock and crops if remedial work is not carried out.

6.1.2 National Planning Policy Framework

The National Planning Policy Framework (NPPF) sets out the government's policy on dealing with land contamination through the planning process. It states that planning policies and decisions should ensure that:

- a site is suitable for its proposed use taking account of ground conditions and any risks arising from land instability and contamination. This includes risks arising from natural hazards or former activities such as mining, and any proposals for mitigation including land remediation (as well as potential impacts on the natural environment arising from that remediation);
- after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part IIA of the Environmental Protection Act 1990; and
- adequate site investigation information, prepared by a competent person, is presented.

6.1.3 Environmental Damage Regulations

The Environmental Damage (Protections and Remediation) Regulations 2015 transpose the provisions of the EU Environmental Liability Directive into law in England and Wales.

The Regulations require action in response to the most significant cases of environmental damage. They cover specific types of:

- damage to species and habitats;
- damage to water; or
- risks to human health from contamination of land.

The Regulations apply to both imminent threats and actual cases of damage. Where these arise, those responsible must take immediate action to prevent damage occurring or remediate damage where it does occur.

The Regulations are based on the polluter pays principle 'requiring those responsible to meet the cost of preventive and remedial measures.

6.2 Objectives

This Desk Study has been written so as to provide an initial overview of the nature and extent of contamination hazards that may exist at the site. It has been undertaken in accordance with the specifications outlined in the British Standard BS 10175:2011+A2:2017 Code of Practice for the Investigation of potentially contaminated sites and the Environment Agency Document, LCRM: Stage 1 Risk Assessment.

The main objectives of the study were to:

- Enable a conceptual site risk model to be constructed;
- Provide sufficient information for a preliminary qualitative risk assessment to be undertaken;
- Inform the need for and scope of any intrusive investigations that may be required.

6.3 Summary of Research Undertaken

Details of information sources researched in order to compile this desk study are given below.

- Environment Agency Open Data (GIS)
- English Nature Open Data (GIS)
- English Heritage Open Data (GIS)
- British Geological Survey GeoIndex Web Map Service
- Coal Authority Open Data and Web Map Service.
- Historical Ordnance Survey Maps

- Local Authority Planning Application Portal
- Groundsure Enviro Insight Report & Historical Maps

7 SITE DESCRIPTION

7.1 Site Location and Size

The site is located at Land Between 43 and 45 Camplin Street, London SE14 5QX at grid reference is 535736, 177285. The site has an area of approximately 0.03ha.

The site lies within the jurisdiction of London Borough of Lewisham in terms of the planning process. See Figure 1 below for the Site Location and Aerial Map.

7.2 Current Site Use

The site currently comprises a small number of outbuildings and storage facilities, with the site entirely covered in hardstand.

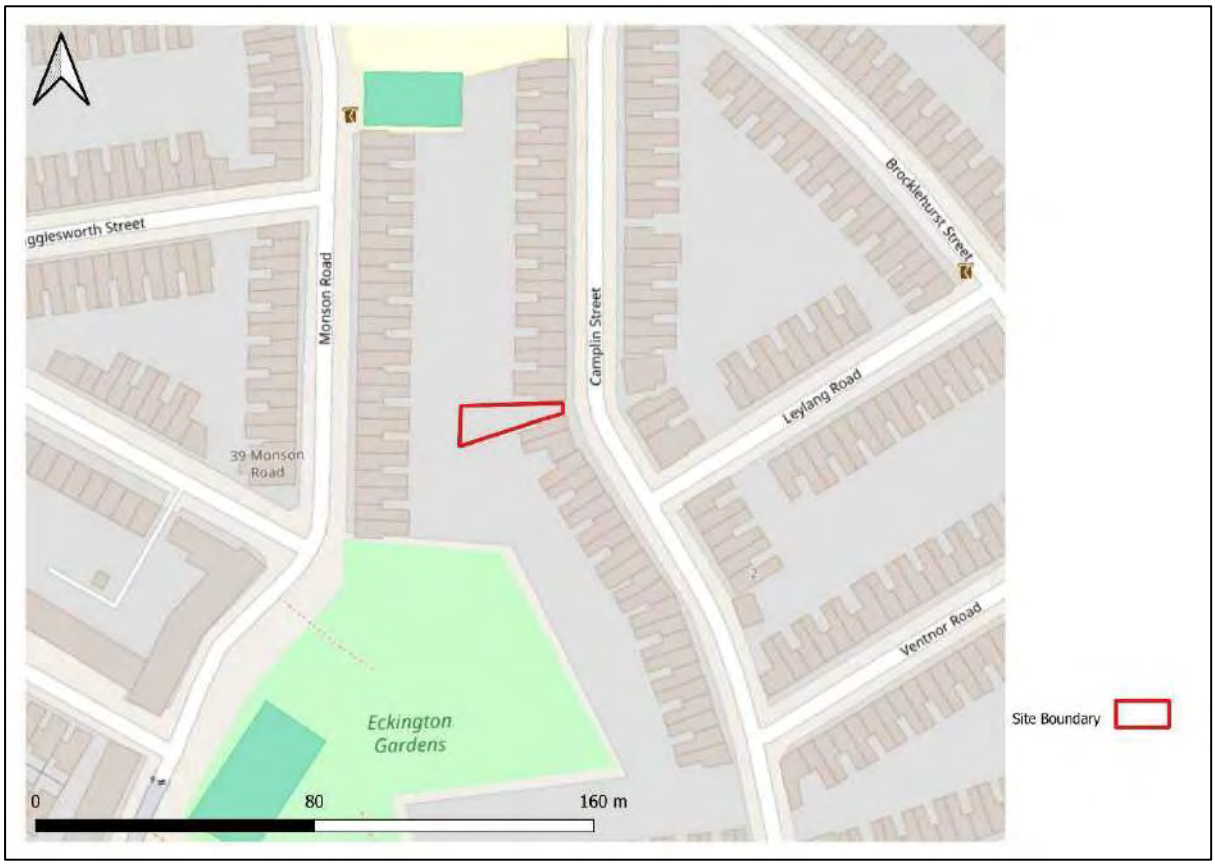
7.3 Surrounding Land Uses

A description of current land uses surrounding the boundaries of the site is given below in Table 1.

Table 1: Summary of surrounding land uses

Boundary	Adjacent Roads	Land Use Description
Northern	-	Residential
Eastern	Camplin Street	Residential
Southern	-	Residential
Western	-	Residential

Figure 1: Site Location and Aerial Map





8 SITE HISTORY

8.1 Analysis of Historical Ordnance Survey Mapping

Historical maps published by the Ordnance Survey dating back to the late 1800's were reviewed in order to ascertain any previous industrial use at the site. The Groundsure Historical Maps are presented in Appendix 2. A summary of the historic map analysis is provided in Table 2.

Table 2: Summary of historical land use identified from historical maps

Map Year & Scale	POTENTIALLY CONTAMINATIVE LAND USES	
	On Site	Off Site
1868 1:1,056	The site comprises open undeveloped land.	The surrounding area predominantly comprises open undeveloped land.
1871 1:10,560	No significant changes.	2no. Railway Lines 190m N & 225m E.
1872 1:10,560	No significant changes.	No significant changes.
1873 1:1,056 1:2,500 1:10,560	No significant changes.	Coke Ovens 215m E.
1894 1:10,560	The site comprises a plot of undeveloped land in between residential developments.	Widescale residential development has occurred in all directions. Railway Lines 225m E have expanded, now located 200m E. Coke Ovens 215m E no longer present. Sand and Gravel Pit 180m E.
1896 1:1,056 1:2,500 1:10,560	No significant changes.	No significant changes.
1898 1:10,560	No significant changes.	No significant changes.
1916 1:2,500	No significant changes.	Sand and Gravel Pit 180m E no longer labelled. Railway Lines 200m E have expanded, now located 175m E. Tramway 230m SW.

Table 2: Summary of historical land use identified from historical maps

Map Year & Scale	POTENTIALLY CONTAMINATIVE LAND USES	
	On Site	Off Site
1920 1:10,560	No significant changes.	No significant changes.
1938 1:10,560	No significant changes.	No significant changes.
1948 1:10,560	No significant changes.	No significant changes.
1950 1:1,250 1:2,500	1no. small unspecified building constructed along the northern boundary of the site.	Engineering Works 150m NE.
1951 1:1,250	No significant changes.	No significant changes.
1954-55 1:10,560	No significant changes.	No significant changes.
1962-67 1:10,560	No significant changes.	No significant changes.
1971 1:1,250	No significant changes.	Engineering Works 150m NE relabelled Depot, with an associated Tank labelled. Railway Lines 175m E have been partially cleared, now located 240m NE. Railway Line 190m N no longer present. 3no. Electricity Substations 55m NE, 110m SW & 195m SW. Garage 200m NW. Depot 200m N.
1973-77 1:1,250 1:10,000	No significant changes.	No significant changes.
1978-84 1:1,250 1:10,000	No significant changes.	No significant changes.
1987-89 1:10,000	No significant changes.	No significant changes.

Table 2: Summary of historical land use identified from historical maps

Map Year & Scale	POTENTIALLY CONTAMINATIVE LAND USES	
	On Site	Off Site
1990-94 1:1,250	No significant changes.	No significant changes.
2001 1:10,000	No significant changes.	No significant changes.
2003 1:1,250	No significant changes.	No significant changes.
2010 1:10,000	No significant changes.	Depot 150m NE with associated Tank no longer present.
2025 1:10,000	No significant changes.	Depot 200m N no longer present.
Current Use	The site currently comprises a small number of outbuildings and storage facilities, with the site entirely covered in hardstand.	The main current use in the immediate surrounding area comprises predominantly residential dwellings.

9 ENVIRONMENTAL CHARACTERISTICS

A variety of Environmental datasets provided by the Environment Agency, British Geological Society, English Heritage and English Nature and others were screened in order to assess the environmental sensitivity of the site. The Groundsure Environmental Screen Report is presented in Appendix 3. The results are summarised below.

9.1 Geology

9.1.1 Published Geology

According to the BGS Geoindex, the western half of the site is located on bedrock of Lewes Nodular Chalk Formation, Seaford Chalk Formation and Newhaven Chalk Formation (Undifferentiated) comprising Chalk, whilst the eastern half of the site consists of Thanet Formation comprising Sand. The superficial deposits are Langley Silt Member comprising Clay and Silt.

9.1.2 Unpublished Geology

BGS borehole records for the immediate surrounding area were reviewed in order to obtain further information on the ground conditions beneath the site.

The nearest log is located approximately 41m W of the site (BGS ref. TQ37NE66) and was undertaken in 1862 to a depth of approximately 8.84mbgl. The strata encountered comprised Made Ground to a depth of 0.18mbgl, underlain by stiff Loam to a depth of 2.13mbg, underlain by Sand and Gravel to a depth of 7.01mbgl, underlain by Chalk to a depth of 8.84mbgl, the base of the borehole. The BGS Borehole Logs are available in Appendix 4.

9.2 Hydrogeology

The Environment Agency classifies the superficial deposits as an Unproductive Aquifer. The bedrock is classified as a Principal Aquifer in the west of the site, and as a Secondary A Aquifer in the east of the site.

There are no groundwater Source Protection Zones on or within 250m of the site.

9.3 Water Abstractions

No Surface Water or Potable Water Abstraction Licenses were identified on or within 1500m of the site.

The following Groundwater Abstraction Licenses were identified within 1500m of the site:

Table 3: Groundwater Abstraction Licenses identified within 1500m of the site

Point	Status	Details	Source	Distance/ Direction
Deptford, London, - Borehole 'F'	Historical	Non-Evaporative Cooling	Thames Groundwater	309m NW
Deptford, London, - Borehole 'F'	Historical	Non-Evaporative Cooling	Thames Groundwater	380m NW
Shafts & Adits at New Cross Shafts	Historical	Dewatering	Thames Groundwater	1086m NW
Shafts & Adits at New Cross Shafts	Historical	Dewatering	Thames Groundwater	1086m NW

9.4 Groundwater Level

According to BGS, the groundwater is likely to be less than 3.0 metres below the ground surface for at least part of the year.

9.5 Hydrology

No surface water bodies were identified on or within 250m of the site.

9.6 Flood Risk

9.6.1 River and Tidal (Fluvial and Tidal) Flooding

The risk of fluvial and tidal flooding is therefore considered to be High. The site is located within Flood Zones 3 which are defined by the Environment Agency as follows:

- Flood Zones 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year.

9.6.2 Surface Water (Pluvial) Flooding

The Environment Agency (EA) long term flooding maps indicate that the site is at Low risk of surface water flooding. Low risk means that each year this area has a chance of flooding of between 0.1% and 1%.

9.6.3 Groundwater Flooding

The BGS groundwater flood maps indicate that the risk of groundwater flooding at the site is Low.

9.7 Environmentally Sensitive Sites and Ecological Protection Zones

No Environmentally Sensitive Sites (e.g. Green Belt Land, Ancient Woodlands) or Ecological Protection Zones (e.g. Special Scientific Interest (SSSI), Ramsar Sites, Special Areas of Conservation (SAC)) were identified on or within 250m of the proposed development.

9.8 Conservation Areas, Designated Protected Buildings and Monuments

No Scheduled Ancient Monuments were identified on or within 50m of the proposed development.

The following Conservation Area and Listed Building were identified on and within 50m of the site:

Table 4: Conservation Area and Listed Building identified on and within 50m of the site

Name of Site	Grade	List Date	Distance & Direction
Hatcham, Lewisham Conservation Area	-	1990	Onsite
K2 Telephone Kiosk Outside Duke Of Albany Public House	II	03/02/1987	47m W

9.9 Topography

According to Google Earth, the general site level is at 2mAOD.

9.10 Waste Disposal Activities & Landfill Sites

No evidence of Waste Disposal Activities or Landfill Sites were identified on or within 250m of the site.

9.11 Petrol and Fuel Sites

No Petrol or Fuel Sites were identified on or within 250m of the site.

9.12 Historical Tanks

The Groundsure report includes a summary of Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale.

No Historical Tanks were indicated to have been on site. The nearest Tank was identified approximately 58m SW of the site.

9.13 Sites Determined as Contaminated Land under Part 2A EPA 1990

No Sites Determined as Contaminated Land were identified on or within 500m of the site.

9.14 Dangerous or Hazardous Sites

No Control of Major Accident Hazards (COMAH) or Notification of Installations Handling Hazardous Substances (NIHHS) Sites were identified on or within 500m of the site.

9.15 Hazardous Substance Storage/Usage

No consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015 were identified on or within 500m of the site.

9.16 IPC Authorisations

No Integrated Pollution Control (IPC) Authorisations were identified on or within 500m of the site.

9.17 Part A(1) and IPPC Authorised Activities

No Part A(1) or Integrated Pollution Prevention Control (IPPC) Authorised Activities were identified on or within 500m of the site.

9.18 Part A(2) and Part B Activities and Enforcements

No Part A(2) and Part B Activities and Enforcements were identified on or within 250m of the site.

9.19 Category 3 or 4 Radioactive Substance Authorisations

No Category 3 or 4 Radioactive Substance Authorisations were identified on or within 500m of the site.

9.20 Discharge Consents

No Red List or Licensed Discharge Consents were identified on or within 500m of the site.

9.21 List 1 and List 2 Dangerous Substance Inventory Sites

No List 1 and List 2 Dangerous Substances Inventory Sites were identified on or within 250m of the site.

9.22 Pollution Incidents

No Pollution Incidents occurred on or within 50m of the site.

9.23 Coal Mining

The site is not located in an area potentially affected by Coal Mining.

9.24 Non-Coal Mining

No Non-Coal Mining Areas were identified on or within 50m of the site.

9.25 Radon

A search of the BGS Radon dataset indicates that the property lies in an area with less than 1% chance of being affected by naturally occurring Radon gas. Therefore, it is unlikely to be affected by Radon.

9.26 Asbestos within Buildings

The information available indicates that the building on the site were developed prior to 2010. It is therefore considered possible that Asbestos may exist within them and that an Asbestos survey may be required in line with The Control of Asbestos Regulations 2012. This is outside the scope of this assessment. An Asbestos survey is recommended.

9.27 Unexploded Ordnance

An Unexploded Ordnance (UXO) risk assessment in line with CIRIA C681 is beyond the scope of this report and should be considered depending on the site's location.

10 RELEVANT PLANNING HISTORY

London Borough of Lewisham's online planning portal was searched in an effort to identify any relevant planning applications.

10.1 Planning Applications for the Site

Table 5 below provides a summary of the previously submitted planning applications identified for the site.

Table 5: Summary of planning applications at the site

Application Reference	Date	Description of Proposal	Status
95/038860	1995	The use of the Land between 43-45 Camplin Street SE14 as a builders yard.	Created During Migration*

**Decision Notice was not available on the online planning portal at the time of writing and no relevant reports were identified in the search.*

10.2 Planning Applications for Adjacent Sites

Table 6 below provides a summary of the previously submitted planning applications identified for nearby sites within a 25m radius. Although other planning applications were identified on adjacent sites; they were not deemed relevant to this report.

Table 6: Summary of planning applications for adjacent sites

Application Reference	Date	Description of Proposal	Status
DC/16/096585	2016	The construction of a single storey rear and side extension at 47 Camplin Street, SE14. **(47 Camplin Street, London, SE14 5QX – 5m N)**	Granted (without a Contaminated Land Condition)

11 SITE WALKOVER

A site walkover was not undertaken as part of the initial scope of works. Photographs of the site, which have been taken from Google Maps, are presented in Appendix 5.

12 PRELIMINARY CONCEPTUAL SITE RISK MODEL (CSM)

A conceptual site risk model (CSM) aims to summarise all the potential pollutant linkages or risk that may be associated with a site. It considers the potential pollution sources, receptors and pathways by which receptors can be impacted.

12.1 Potential Sources

Potentially contaminative land uses (PCLUs) of concern were identified based on their proximity to the site and whether they had the potential to generate significant quantities of ground gases, vapours and/or mobile volatile contamination (i.e. high pollution migration potential).

Any PCLUs within a 50m radius of the site as well as any PCLUs with high pollution migration potential within 250m of the site were considered to be of concern and were included within the assessment.

A summary is provided in Table 7 below.

Table 7: Summary of potential contamination sources, period of operation and distance from site.

Site Name/ Description	Industrial Profile	Approx. Year Use Established	Approx. Year Use Ended	Direction	Approx. Distance from Site (m)
Builder's Yard*	-	c.1995	Unknown	Onsite	0

**identified on the online planning portal.*

Typical contaminants that may be associated with the above PCLUs are:

- Acids & Alkalis
- Asbestos
- Chlorinated & Non-Chlorinated Solvents
- Fuels & Fuel Oils
- Heavy Metals
- Organic & Inorganic Compounds
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Total Petroleum Hydrocarbons (TPHs)
- Volatile Organic Compounds (VOCs)

Please note, this list is not exhaustive of all contaminants that may be present on or off site.

12.2 Potential Receptors

The potential receptors include human, water, ecological and infrastructure receptors.

12.2.1 Potential Human Health receptors

Potential human health receptors include construction workers, future occupants or users of the site and the proposed development and neighbours of the site.

12.2.2 Potential Groundwater Receptors

Potential groundwater receptors include the Principal Bedrock Aquifer.

12.2.3 Potential Surface Water Receptors

There are no potential surface water receptors in the vicinity of the site.

12.2.4 Potential Ecological Receptors

There are no potential ecological receptors in the vicinity of the site.

12.2.5 Potential Property Receptors

Potential property receptors include the proposed development as well as neighbouring properties and associated services.

12.3 Potential Pathways

12.3.1 Potential Pathways for Human Receptors

The main pathways via which on and off-site human receptors are likely to come into contact with, or be affected by any contamination present on the site can be summarised as follows:

- Dermal contact with contaminated soil (i.e. absorption through the skin) – through garden activities such as children playing, gardening etc.
- Ingestion of contaminated soil (either directly or via soil adhering to vegetables grown on the site)
- Inhalation of contaminated soil, fugitive dust and vapours.
- Explosion of landfill gases leading to death/injury

12.3.2 Potential Pathways for Groundwater Receptors

The principal means by which contaminants can reach the groundwater is by leaching (i.e. downward movement through the soil pores with percolating and infiltrating water).

12.3.3 Potential Pathways for Surface Water Receptors

Routes by which contaminants from the site could reach surface water include via overland run-off, drainage and groundwater entering nearby rivers as base flow.

12.3.4 Potential Pathways for Ecological Receptors

The exposure pathways for terrestrial ecological receptors will be similar to those for humans. Pathways for aquatic receptors are via uptake of contaminated sediments and water.

12.3.5 Potential Pathways for Property Receptors

Pathways by which property receptors are exposed to potential contaminants include ground gas and vapour migration through the unsaturated zone and absorption of water containing dissolved contaminants (i.e. as in the case of sulphate attack).

12.4 Potential Pollutant Linkages

The Potential Pollutant Linkages (PPLs) were identified as part of the CSM. These were concerned with the following:

- Risk of direct contact (ingestion and absorption) with and inhalation of contaminants to on-site human health receptors including future occupiers and site visitors (PPL1a)

- Risk of injury/death to future occupiers and visitors as a result of explosion due to accumulation of ground gas from on and off-site sources in confined spaces within on-site dwellings/buildings. (PPL1b)
- Risk of direct contact (ingestion and absorption) with and inhalation of contaminants to on-site human health receptors such as Construction Workers (PPL1c)
- Risk of injury/death to construction workers as a result of explosion due to accumulation of ground gas from on and off-site sources in confined spaces within on-site dwellings/buildings. (PPL1d)
- Risk of direct contact with (ingestion and absorption) and inhalation of contaminants to off-site human health receptors as a result of on-site contaminants migrating off-site (PPL2a)
- Risk of injury/death to off-site human health receptors as a result of explosion due to migration of on-site ground gas and subsequent accumulation in confined spaces in off-site buildings. (PPL2b)
- Risk of deterioration of groundwater quality resulting from the migration of on-site contaminants into the underlying aquifer (PPL3)
- Risk of deterioration of surface water quality resulting from the migration and entry of on-site contaminants into the surface water receptor (PPL4)
- Risk of deterioration of ecological quality resulting from the migration and entry of on-site contaminants to the ecological receptor during development and after completion (PPL5);
- Risk of damage to buildings and services from on and off-site contaminants (PPL6a)
- Risk of damage to property as a result of explosion due to accumulation of ground gas from on and off-site sources in confined spaces within buildings (PPL6b).

13 QUALITATIVE RISK ASSESSMENT

For land to be considered ‘contaminated land’ under Part IIA, the potential contamination source must be causing or have the significant possibility of causing harm to designated receptors. It is therefore necessary to focus on pollutant linkages that have the potential to be significant (i.e. those that are most likely to lead to a determination).

The identified PPLs were therefore individually qualitatively assessed using a basic risk assessment methodology which considers “Likelihood” and “Severity” to assess the magnitude of the potential risk. The methodology is summarised in Appendix 6.

Table 8 below summarises the conceptual site risk model (CSM) including the identified PPLs and the results of the qualitative risk assessment.

Table 8: Conceptual Site Risk Model - Potential Sources, Pathways and Receptors identified on the site.

Source/ Potential Contaminants	**Potential Contaminants Associated with Site Use as a Builder's Yard:** i.e. Acids & Alkalis, Asbestos, Chlorinated & Non-Chlorinated Solvents, Fuels & Fuel Oils, Heavy Metals, Organic & Inorganic Compounds, PAHs, TPHs, VOCs										
	On and Off-Site Contaminants				**On Site Contaminants**		**On Site Contaminants**			**On and Off-Site Contaminants**	
Potential Pathways	• Ingestion of soils, garden vegetables and dust • Ingestion of contaminated drinking water • Dermal absorption • Inhalation of dusts and vapours indoors and outdoors • Migration of ground gases and vapours into properties						Leaching in the unsaturated zone & diffusion in the saturated zone	• Overland run-off • Drainage channels • Base flow	• Direct contact via absorption and ingestion; • Inhalation	• Migration of ground gases and vapours through the unsaturated zone • Attack on water supply service pipes	
Potential Receptors	**ON SITE HUMANS (AFTER COMPLETION)** Future Occupiers & Visitors		**ON SITE HUMANS (DURING DEVELOPMENT)** Construction Workers		**OFF SITE HUMANS** Neighbours		**GROUND WATER** Principal Bedrock Aquifer	**SURFACE WATER** None	**ECOLOGICAL** None	**ON SITE PROPERTY** Buildings and Services	
Potential Hazards	• Adverse health effects • Injury/ • Death	Explosion/ Fire - Build-up of Methane/ VOCs in confined spaces	• Adverse health effects • Injury/ Death	Explosion/ Fire - Build-up of Methane/ VOCs in confined spaces	• Adverse health effects • Injury/ Death	Explosion/ Methane build-up in confined spaces	Degradation of groundwater quality	• Degradation of surface water quality • Ecological impacts	Degradation of ecological receptor quality	Damage to property and services	Explosion/ Fire - Build-up of Methane/ VOCs in confined spaces
Plausible?	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**Yes**	**No**	**No**	**Yes**	**No**
PPL ID	**PPL1a**	**PPL1b**	**PPL1c**	**PPL1d**	**PPL2a**	**PPL2b**	**PPL3**	**PPL4**	**PPL5**	**PPL6a**	**PPL6b**
SEVERITY	Major (4)	Major (4)	Major (4)	Major (4)	Major (4)	Major (4)	Moderate (3)	Moderate (3)	Moderate (3)	Moderate (3)	Moderate (3)
LIKELIHOOD	Remote (2)	Improbable (1)	Improbable (1)	Improbable (1)	Improbable (1)	Improbable (1)	Improbable (1)	Improbable (1)	Improbable (1)	Remote (2)	Improbable (1)
RISK	Low to Moderate (8)	Low (4)	Low (4)	Low (4)	Low (4)	Low (4)	Very Low (3)	Very Low (3)	Very Low (3)	Low to Moderate (6)	Very Low (3)
POTENTIALLY SIGNIFICANT?	**YES**	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**	**YES**	**NO**

13.1 Assessment of Potential Significance of Potential Pollutant Linkages

13.1.1 Potential Risks to On-Site Human Health Receptors

PPL1a is concerned with the risk of direct contact (ingestion and dermal absorption) with and inhalation of on and off-site contaminants by on site human health receptors. PPL1a is considered to have the potential to be significant as a potentially contaminative land use was identified onsite.

As the proposal is to introduce a residential dwelling and presumed areas of soft landscaping, it is possible that human health receptors (i.e. future occupiers of the dwellings) could be exposed to any potential contamination via direct contact after completion.

PPL1c is concerned with the risk of direct contact (ingestion and dermal absorption) with and inhalation of on and off-site contaminants by construction workers. PPL1c is considered unlikely to have the potential to be significant. Although potentially contaminative land uses were identified onsite, it is considered that any potential risks can be satisfactorily mitigated by Construction Workers implementing standard health and safety measures (as described in Section 15.3) as required by CDM regulations.

PPL1b and PPL1d are concerned with the risk of injury/death of future occupiers, construction workers and site visitors as a result of explosion due to the potential accumulation of ground gases and vapours from on and off-site sources. PPL1b and PPL1d are considered unlikely to have the potential to be significant as no potential sources of explosive ground gases and/or vapours (i.e. Landfills, Minable Coal, Petrol Stations etc.) were identified on or in the vicinity of the site.

13.1.2 Potential Risks to Off-Site Human Health Receptors

PPL2a is concerned with the risk of direct contact and inhalation of contaminants emanating from the site by off-site human health receptors. PPL2a is considered unlikely to have the potential to be significant. Although a potentially contaminative land use was identified on the site, it is considered unlikely that any potential contaminants present at the site would be of sufficient magnitude and mobility as to significantly impact off-site human receptors.

PPL2b is concerned with the risk of injury/death of off-site human health receptors as a result of explosion due to accumulation of ground gases from on-site sources. PPL2b is considered unlikely to have the potential to be significant as no potential sources of explosive ground gases and/or vapours (i.e. Landfills, Minable Coal, Petrol Stations etc.) were identified on the site.

13.1.3 Potential Risks to Groundwater Receptors

PPL3 is concerned with the risk of degradation of groundwater quality resulting from the migration of on-site contaminants into the underlying aquifer. PPL3 is considered unlikely to have the potential to be significant. Although the site is underlain by a Principal Bedrock Aquifer, it is considered unlikely that any potential contaminants present at the site would be of sufficient magnitude and mobility as to significantly impact groundwater receptors.

13.1.4 Potential Risks to Surface Water Receptors

PPL4 is concerned with the risk of degradation of surface water quality resulting from the migration and entry of on-site contaminants into surface water receptors. PPL4 is considered unlikely to have the potential to be significant as no surface water bodies were identified on or within 250m of the site.

13.1.5 Potential Risks to Ecological Receptors

PPL5 is concerned with the risk of degradation of ecological receptors resulting from potential on-site contaminants. PPL5 is considered unlikely to have the potential to be significant as no designated ecological receptors were identified on or within 250m of the site.

13.1.6 Potential Risks to Property Receptors

PPL6a is concerned with the risk of damage to on site buildings and services from on and off-site contaminants. If contaminated, the soil may contain aggressive chemicals (i.e. Sulphates, VOCs) that can attack building materials and services. PPL6a is considered to have the potential to be significant as a potentially contaminative land uses was identified onsite.

PPL6b is concerned with the risk of damage to property as a result of explosion due to migration of on and off-site ground gases and vapours and their subsequent accumulation in confined spaces in on-site buildings. PPL6b is considered unlikely to have the potential to be significant for the same reasons as PPL1b.

14 CONCLUSIONS

This Phase 1 Desk Study was carried out to support the redevelopment of the site.

A review of historical maps and planning records suggests that the site and surrounding land have been subject to previous potentially contaminative land uses (PCLUs). On site PCLUs have included a Builder's Yard while no off site PCLUs were identified.

A conceptual site risk model was developed and a qualitative risk assessment undertaken. The conclusions of the risk assessment are presented in Table 9 below.

Table 9: Summary of qualitative risk assessment

Potential Receptor	Potential Pathway	Potential Hazard	PSPPL?	Risk
On-Site Human Health (Future Occupiers)	Ingestion/Absorption Inhalation	Adverse health Injury/Death	**Yes**	**Low to Moderate**
	Buildup of Methane/ VOCs in confined spaces	Explosion/ Fire Injury/Death	**No**	**Low**
On-Site Human Health (Construction Workers)	Ingestion/Absorption Inhalation	Adverse health Injury/Death	**No**	**Low**
	Buildup of Methane/ VOCs in confined spaces	Explosion/ Fire Injury/Death	**No**	**Low**
Off-Site Human Health	Ingestion/Absorption Inhalation	Adverse health Injury/Death	**No**	**Low**
	Buildup of Methane/ VOCs in confined spaces	Explosion/ Fire Injury/Death	**No**	**Low**
Groundwater	Percolation/Leaching	Adverse groundwater quality	**No**	**Very Low**
Surface Water	Lateral Migration Groundwater baseflow	Adverse Surface water quality	**No**	**Very Low**

Potential Receptor	Potential Pathway	Potential Hazard	PSPPL?	Risk
Ecology	Ingestion/Absorption	Adverse health Injury/Death	**No**	**Very Low**
Property	Physical Contact/Absorption	Damage to building and services	**Yes**	**Low to Moderate**
	Buildup of Methane/ VOCs in confined spaces	Explosion/ Fire Damage to building	**No**	**Very Low**

15 RECOMMENDATIONS

15.1 Intrusive Site Investigation

Given that potentially significant potential pollutant linkages (PSPPLs) were identified, it is recommended that an intrusive site investigation is undertaken with the objective of determining the presence and extent of any soil contamination at the site.

15.2 Watching Brief and Discovery Strategy

Therefore, it is recommended that a "watching brief" is kept at all times during the development. Should any unexpected contamination be encountered then the discovery strategy outlined below should be followed.

- Works should be halted if any suspicious ground conditions are identified by groundworkers;
- The Contractor should assess the need for any immediate health and safety or environmental management control measures. If control measures are considered to be required, they should be implemented;
- The Contractor should notify the Client's Environmental Consultant and the Local Planning Authority;
- The Environmental Consultant should attend the site to record the extent of 'contamination' and if necessary, to collect samples;
- If remedial action is considered necessary then the proposed works should be agreed with the Local Planning Authority prior to implementation;
- Once remediation is complete, the Environmental Consultant should collate evidence of work carried out for inclusion in a Remediation Verification Report which should be submitted to the Local Planning Authority.

15.3 Health and Safety

All site works should be carried out in accordance with Health and Safety Executive regulations and guidelines, the Contractor's Construction Health and Safety Plan and the Construction (Design and Management) Regulations 2015.

Precautions should be taken to minimise exposure of site workers during ground works through the implementation of site safety. Such precautions should include, but not be limited to:

- Provision of appropriate Personal Protective Equipment (PPE);
- Availability of site welfare;
- Good personal hygiene, washing and changing procedures;
- Daily safety briefings.

15.4 Services

The local Statutory Water Undertaker should be contacted in the event that new services are proposed as part of the redevelopment in order to determine their specification for the type of pipework which should be used on this site.

Further information can be found within the published guidance for the '*Selection of Water Supply Pipes to be used in Brownfield Sites'*, issued in January 2011 by the UK Water Industry Research.

16 INFORMATION GAPS AND UNCERTAINTIES

Assumptions have been made regarding the nature and scale of the activities that took place on the site and the types of potential contaminants that may have resulted. These assumptions will need to be reviewed along with the Conceptual Site Model should further information come to light.

17 APPENDIX 1 – SITE LOCATION PLAN



Camplin Street
Scale 1:500 @A4

18 APPENDIX 2 – HISTORICAL MAPS

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Report Ref:
Grid Ref:

Map Name:

Map date:

Scale:

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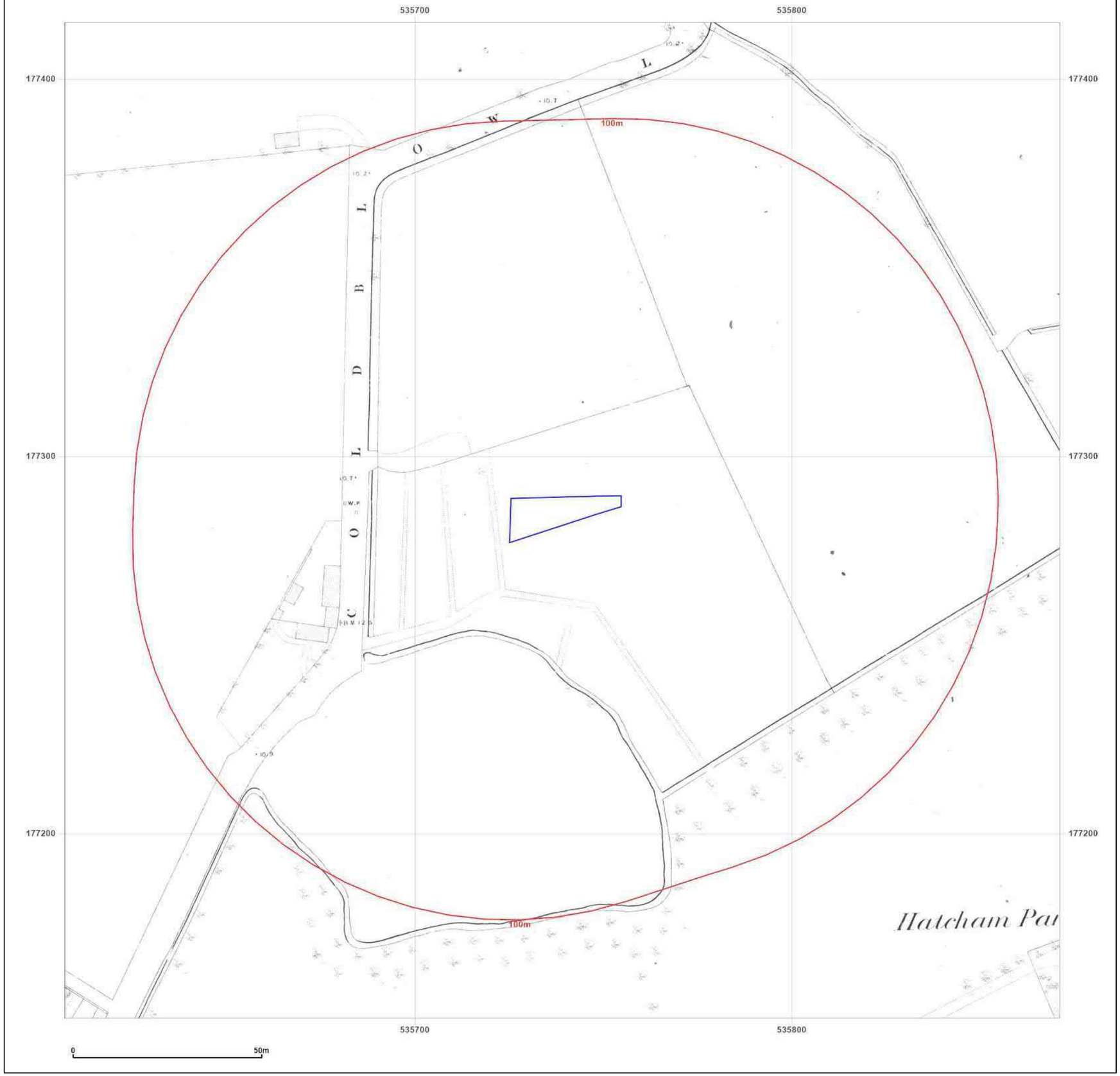
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Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

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Map date: **1873**
Scale: 1:1,056
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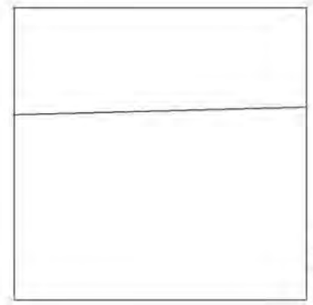
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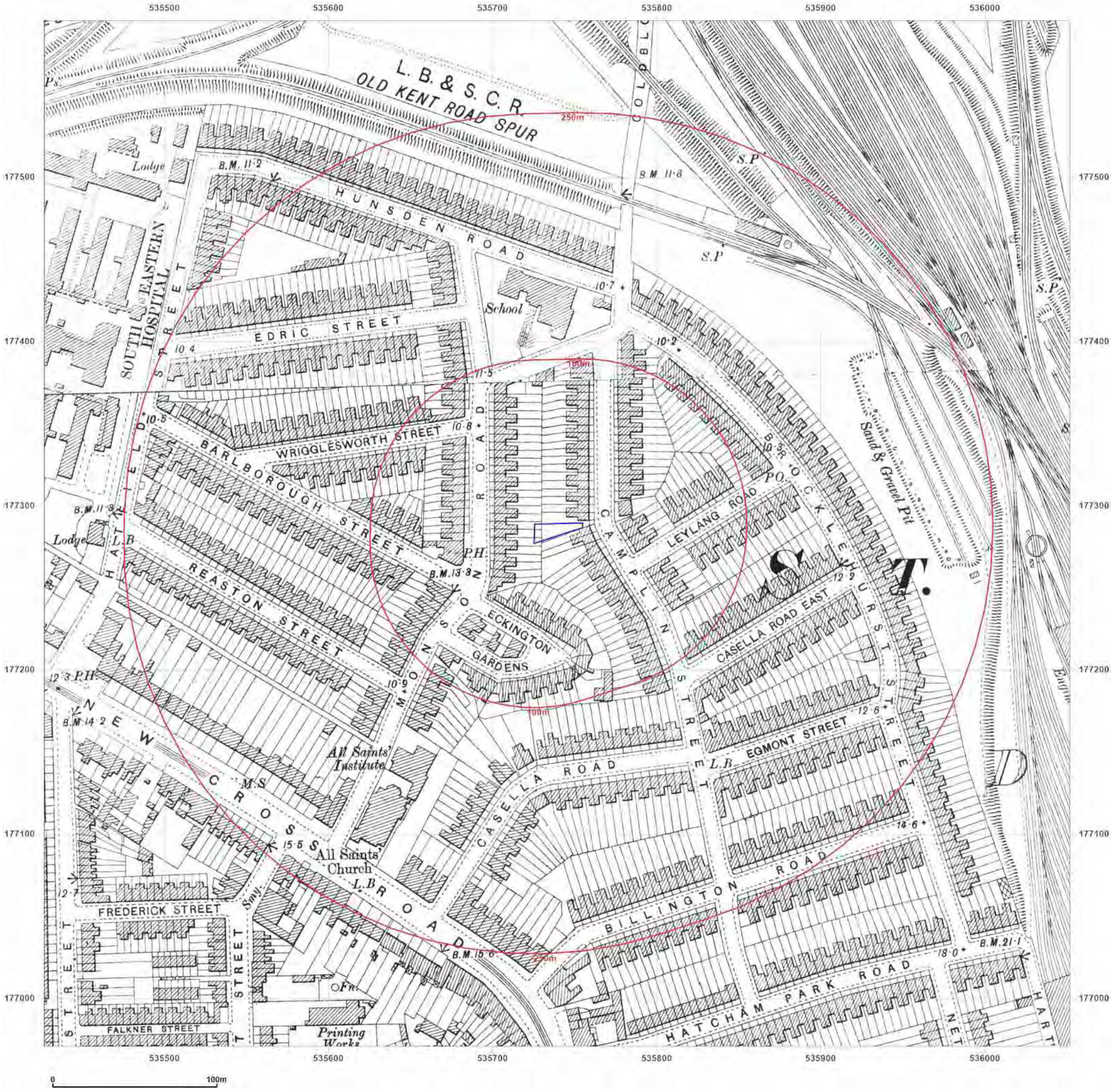
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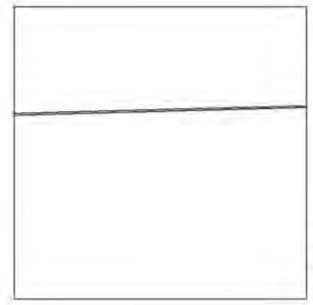
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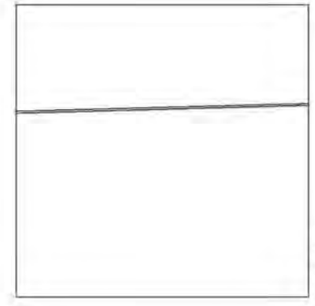
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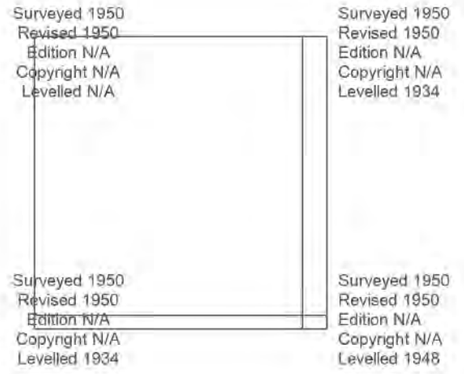
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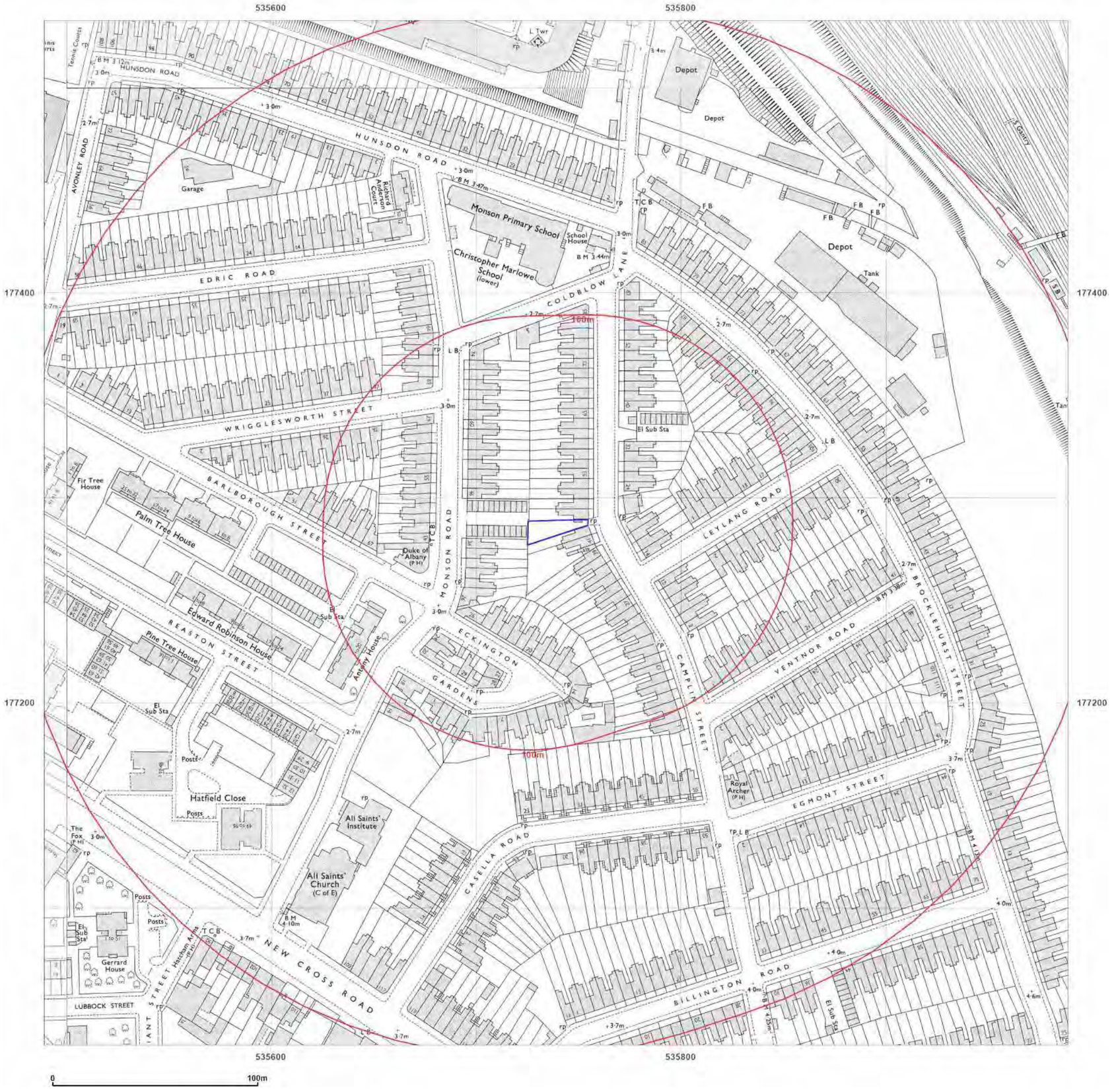
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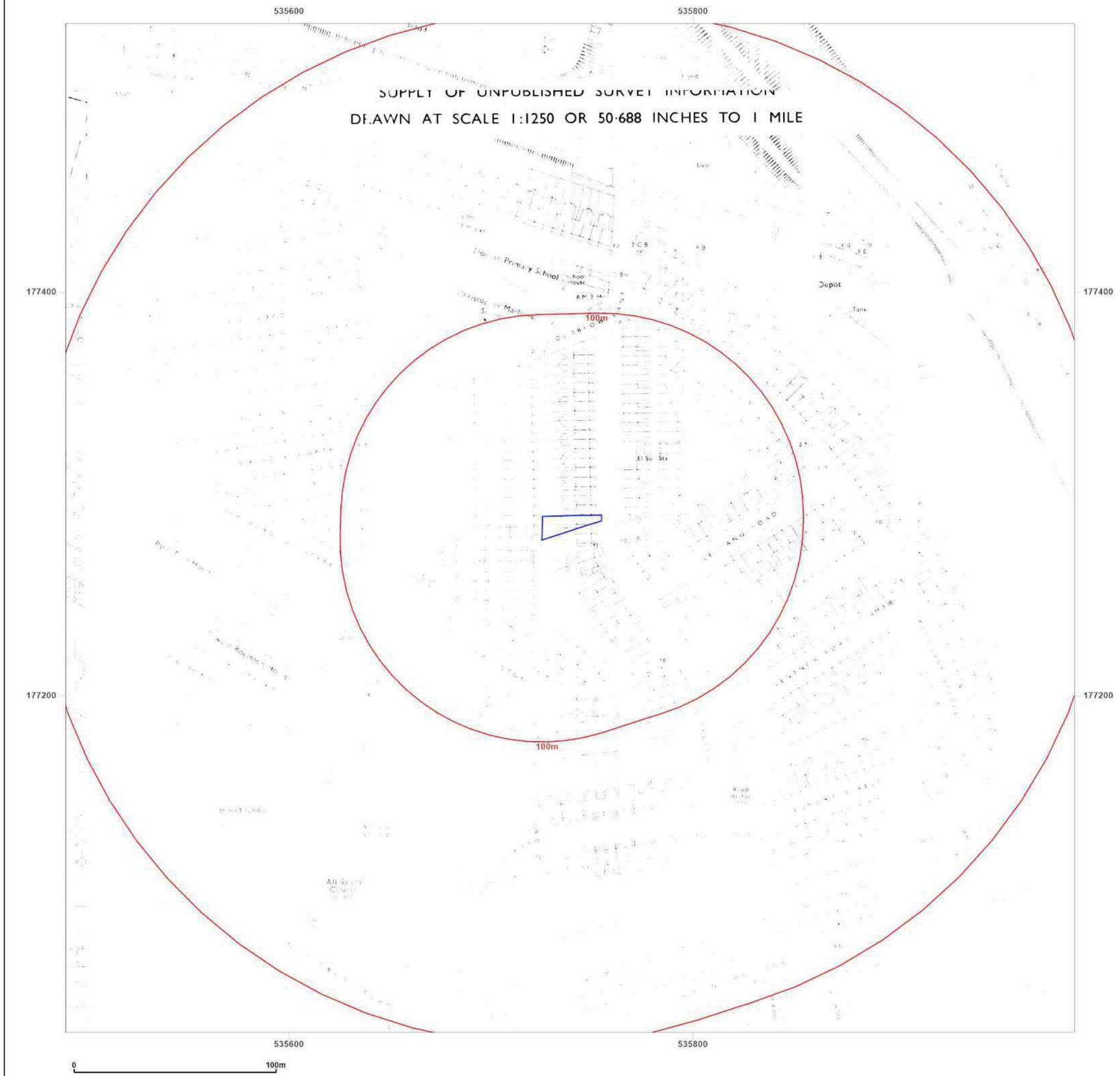
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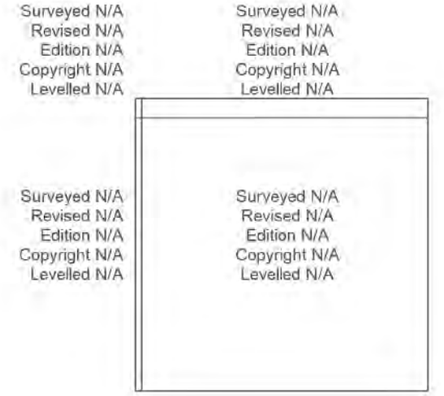
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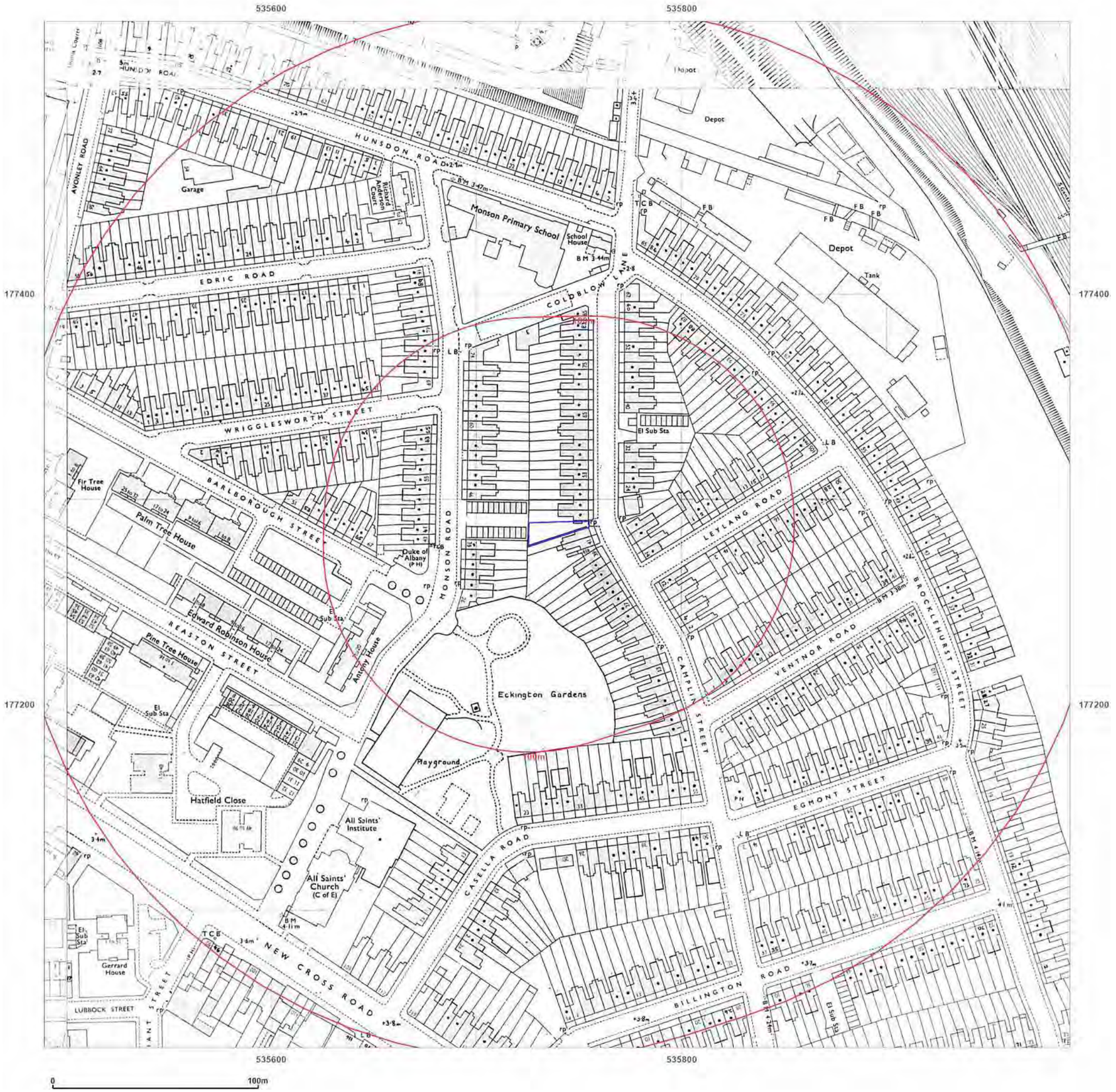
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Map date: **1978-1982**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1980
Levelled 1977

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1980
Levelled N/A

Surveyed 1978
Revised 1978
Edition N/A
Copyright 1978
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1982
Levelled 1977

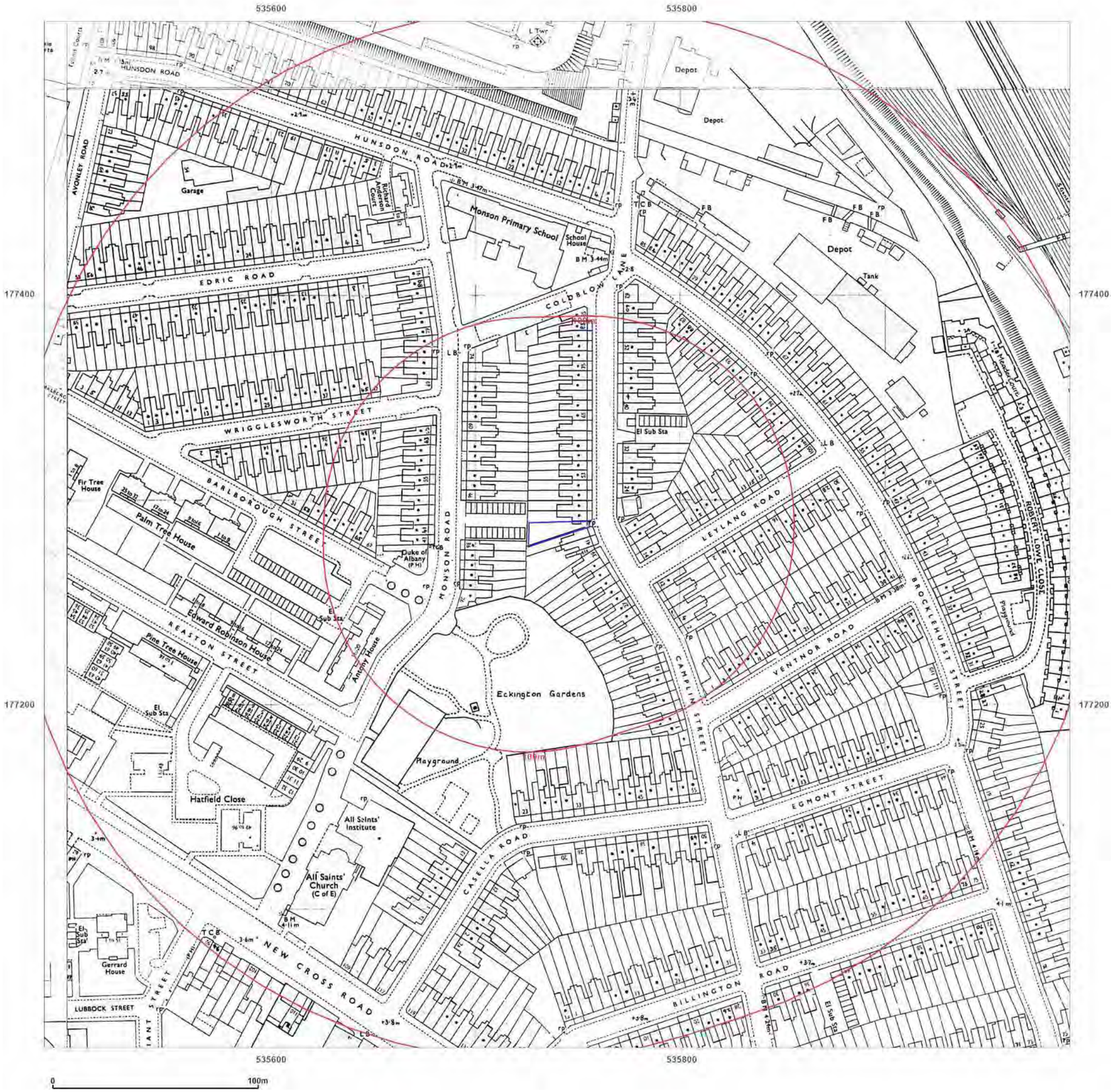
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Groundsure INSIGHTS

Site Details:

LAND BETWEEN 43 AND 45,
CAMPLIN STREET, LONDON,
SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **1982-1984**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1982 Revised 1982 Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1982 Levelled N/A
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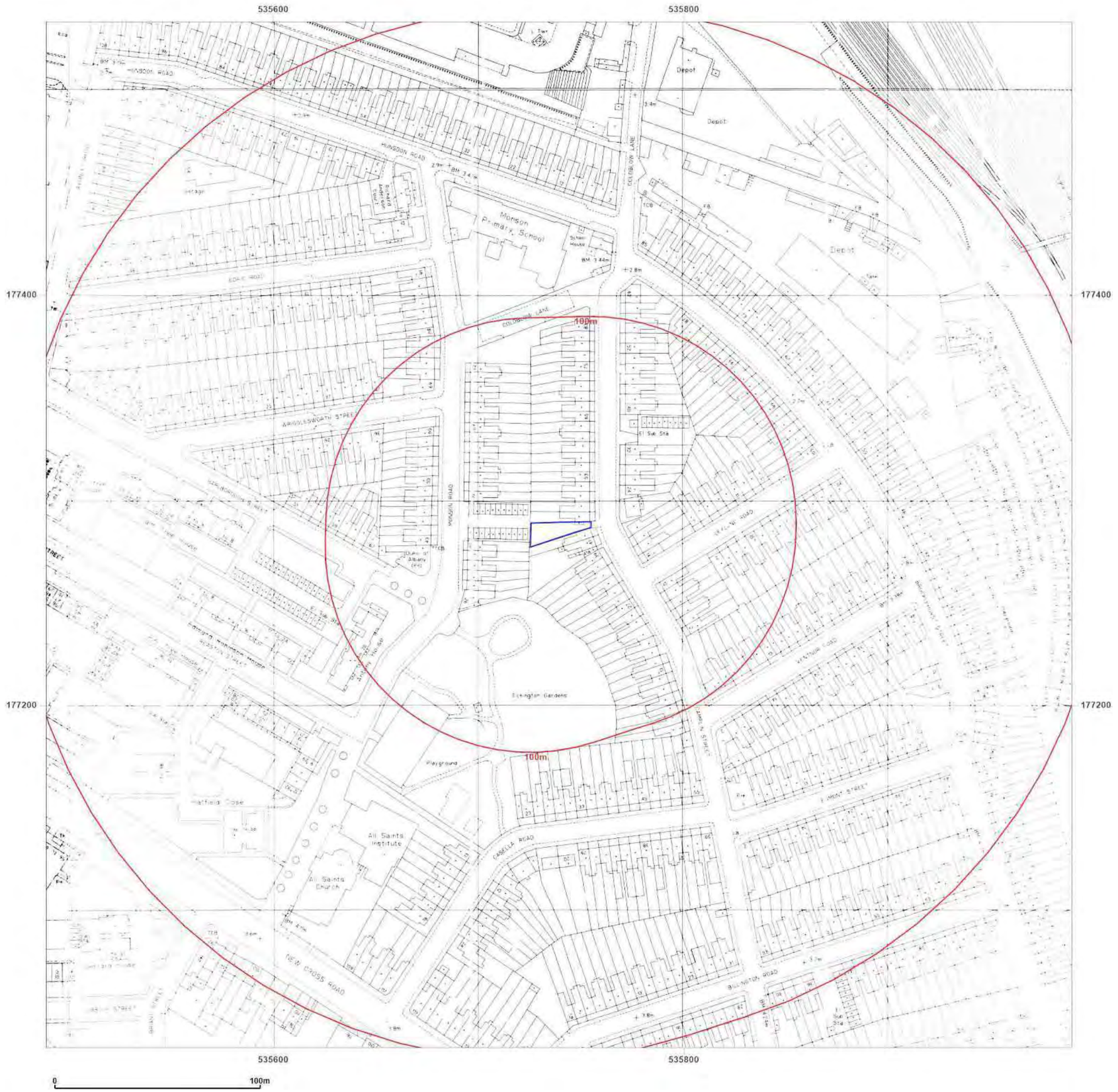
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Site Details:

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SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid
Map date: **1990-1991**
Scale: 1:1,250
Printed at: 1:2,000

N
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1990
Levelled 1977

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1991
Levelled N/A

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

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1991
Levelled N/A

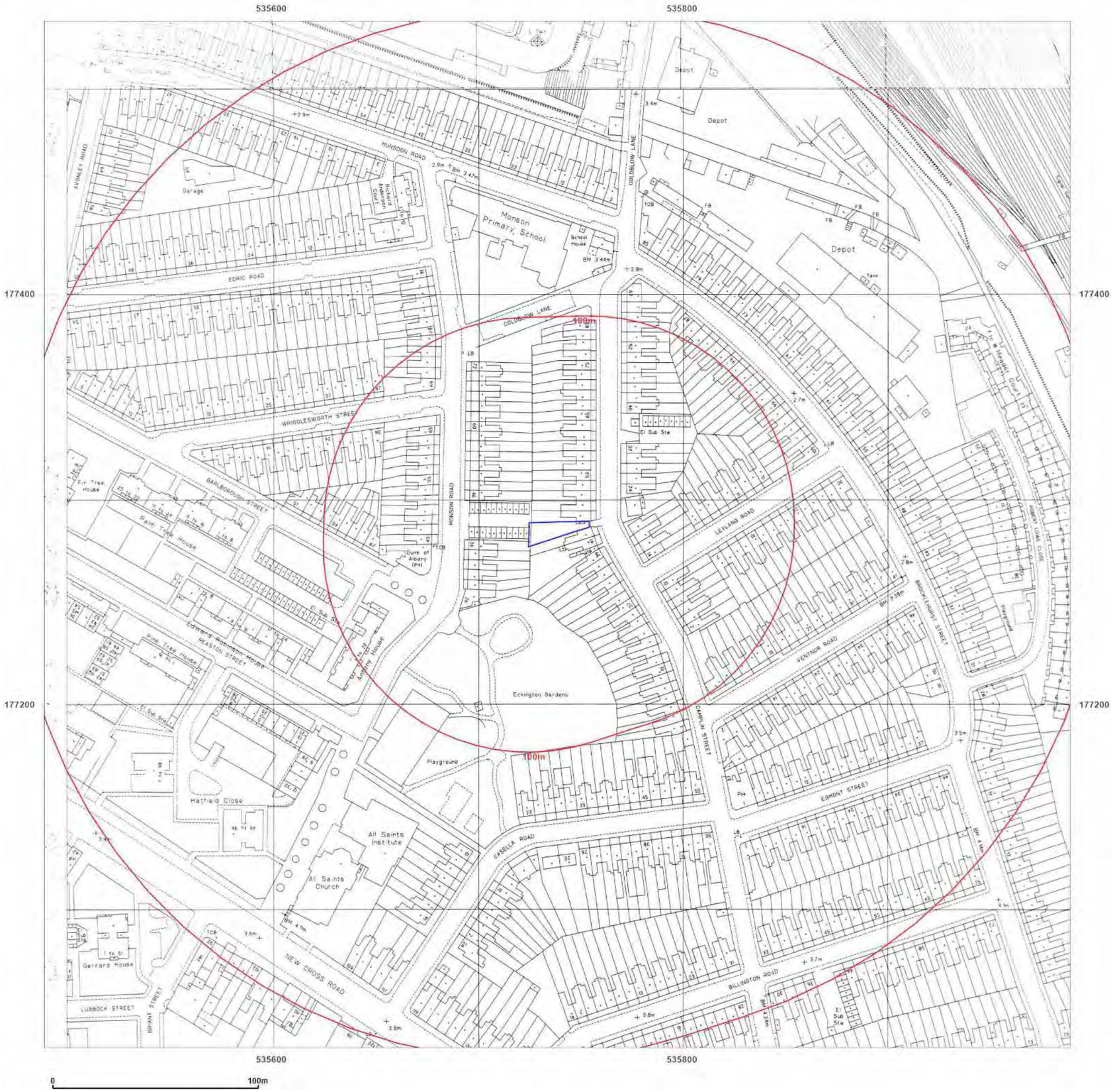
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SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **1991**

Scale: 1:1,250

Printed at: 1:2,000

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W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1991
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1991
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1991
Levelled N/A

Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

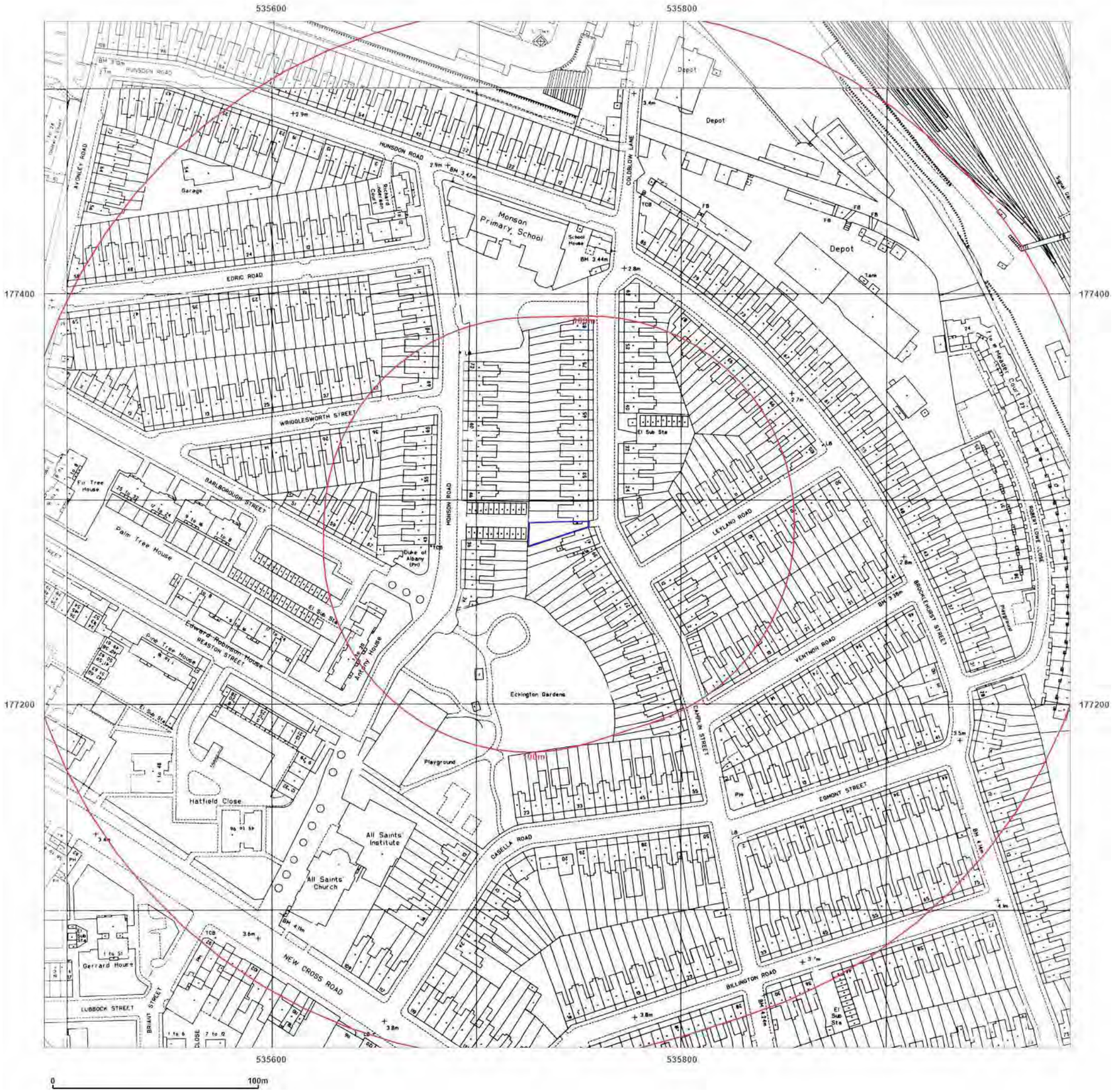
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SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **1991-1992**

Scale: 1:1,250

Printed at: 1:2,000

N
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Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1991
Levelled N/A

Surveyed N/A
Revised N/A
Edition N/A
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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **1991-1994**

Scale: 1:1,250

Printed at: 1:2,000

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

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Revised 1992
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SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: LandLine
Map date: **2003**
Scale: 1:1,250
Printed at: 1:1,250

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2003

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Site Details:

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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1871**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1871
Revised 1871
Edition N/A
Copyright N/A
Levelled N/A

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Site Details:

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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1872**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1863
Revised N/A
Edition 1872
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Levelled N/A

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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
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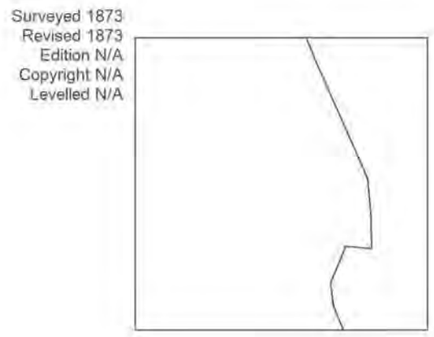
Map Name: County Series

Map date: **1873**

Scale: 1:10,560

Printed at: 1:10,560

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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1894**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1894
Revised 1894
Edition N/A
Copyright N/A
Levelled N/A

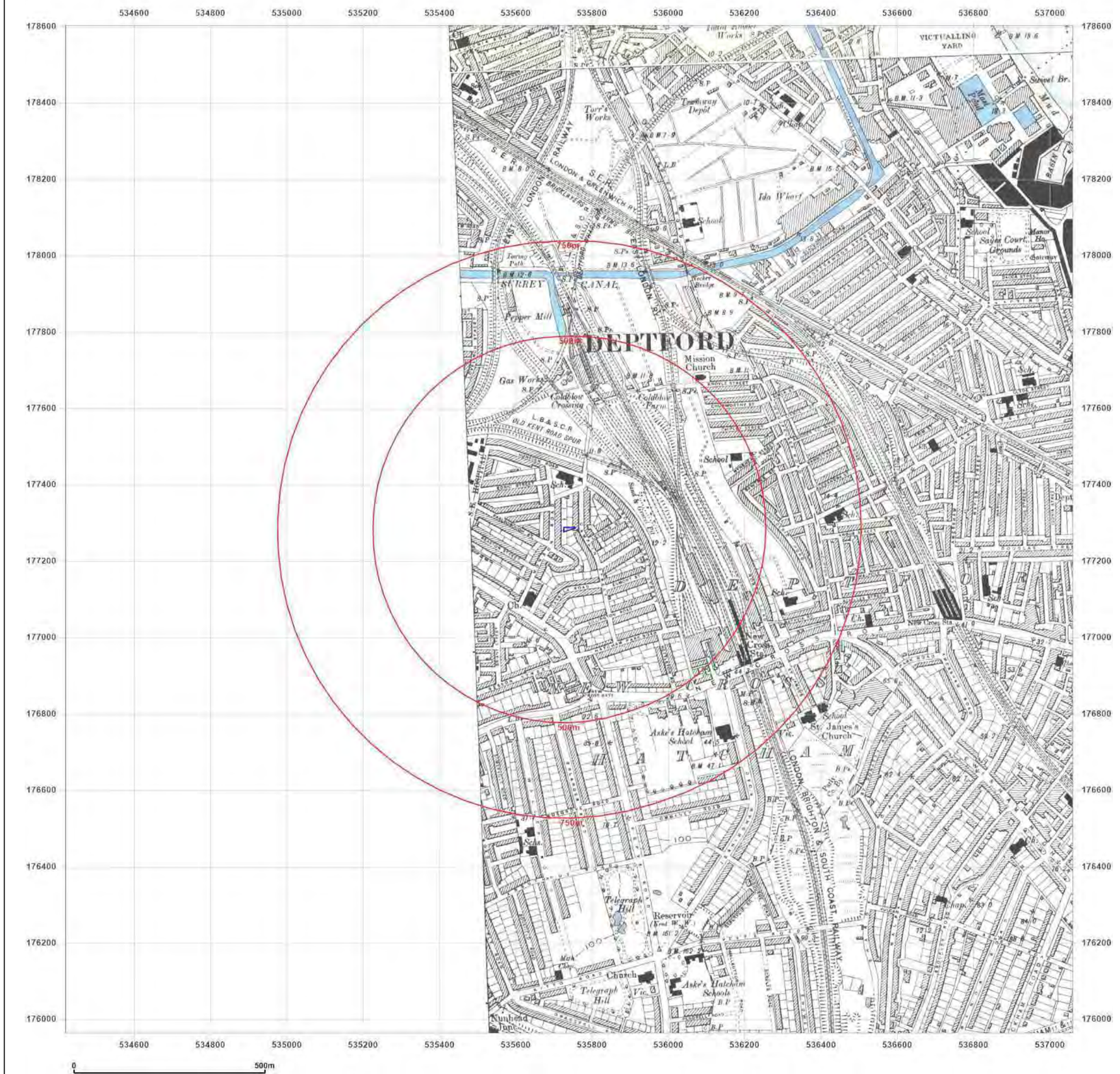
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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

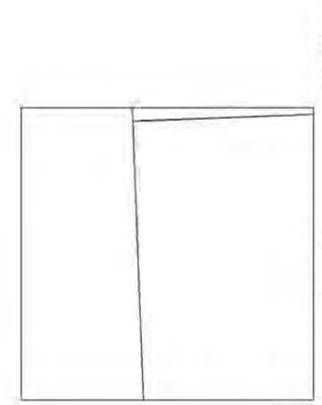
Map Name: County Series

Map date: **1894**

Scale: 1:10,560

Printed at: 1:10,560

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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1894**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
S

Surveyed 1894
Revised 1894
Edition N/A
Copyright N/A
Levelled N/A

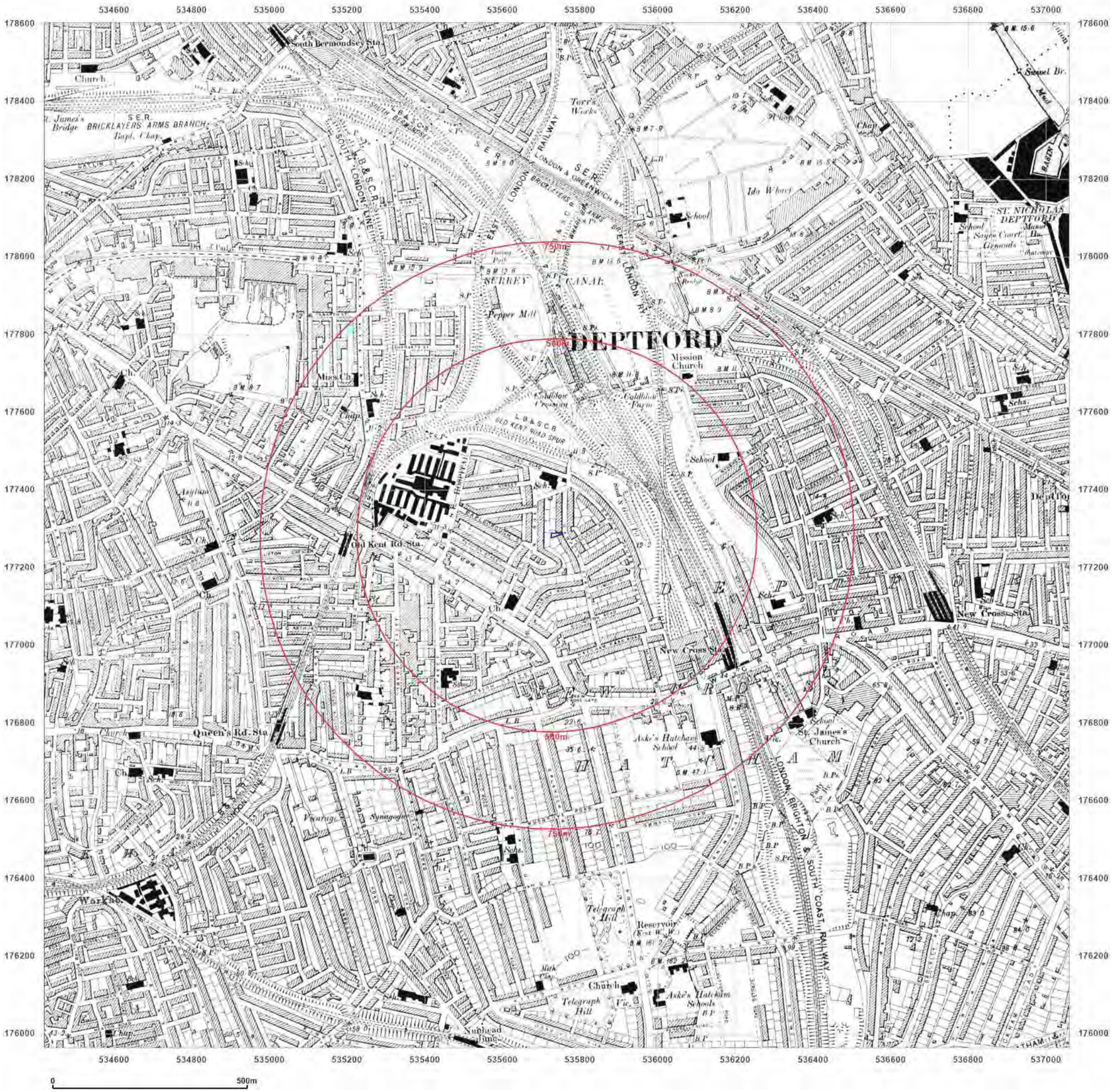
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Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1896**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1870
Revised 1894
Edition 1896
Copyright N/A
Levelled N/A

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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1898**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1894
Revised 1894
Edition 1898
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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1920**

Scale: 1:10,560

Printed at: 1:10,560

N
W E
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Surveyed 1870
Revised 1914
Edition 1920
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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: County Series

Map date: **1938**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1870
Revised 1938
Edition N/A
Copyright N/A
Levelled N/A

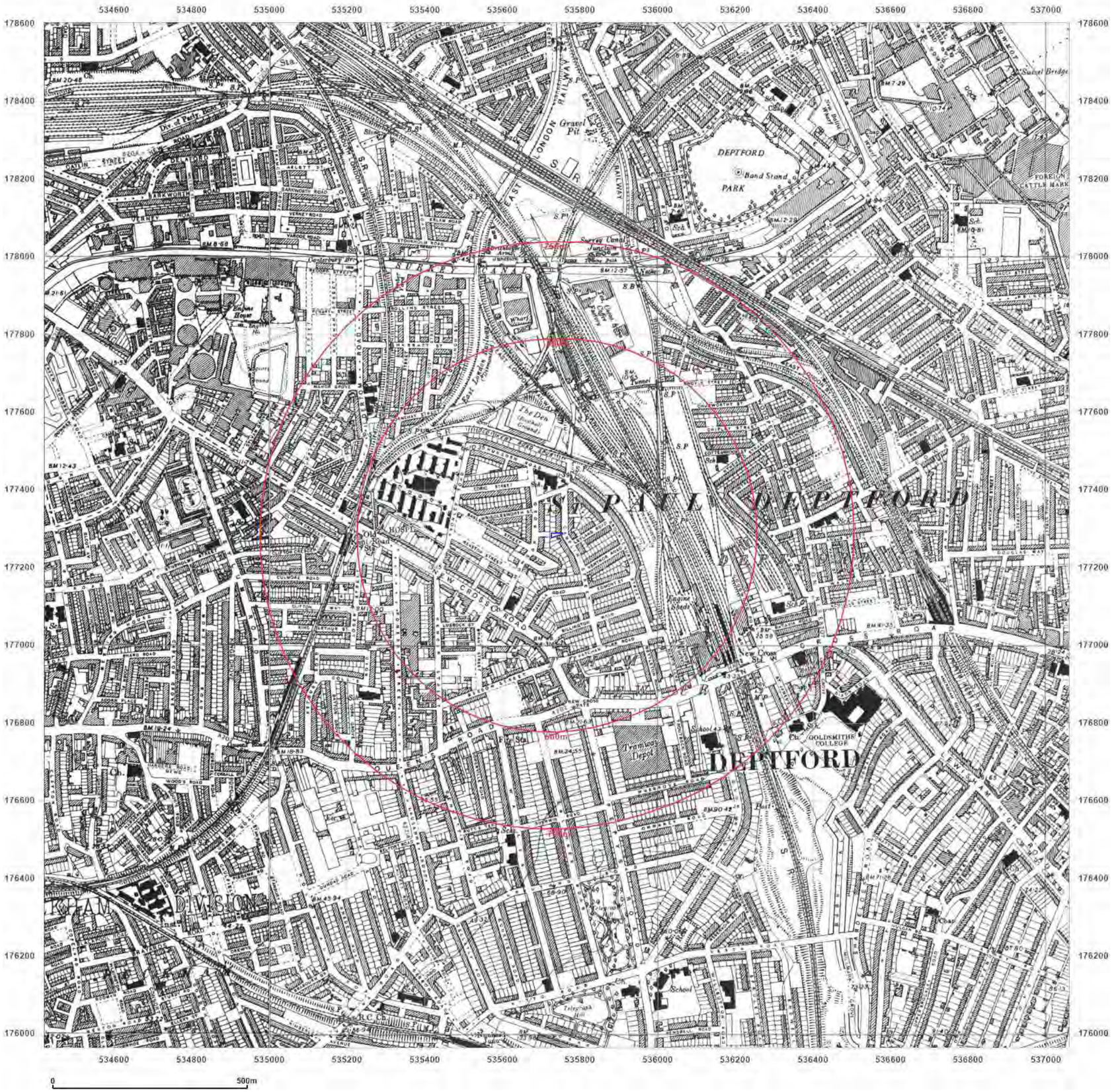
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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: Provisional

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1940
Revised 1948
Edition N/A
Copyright N/A
Levelled 1934

Surveyed 1940
Revised 1948
Edition N/A
Copyright N/A
Levelled 1935

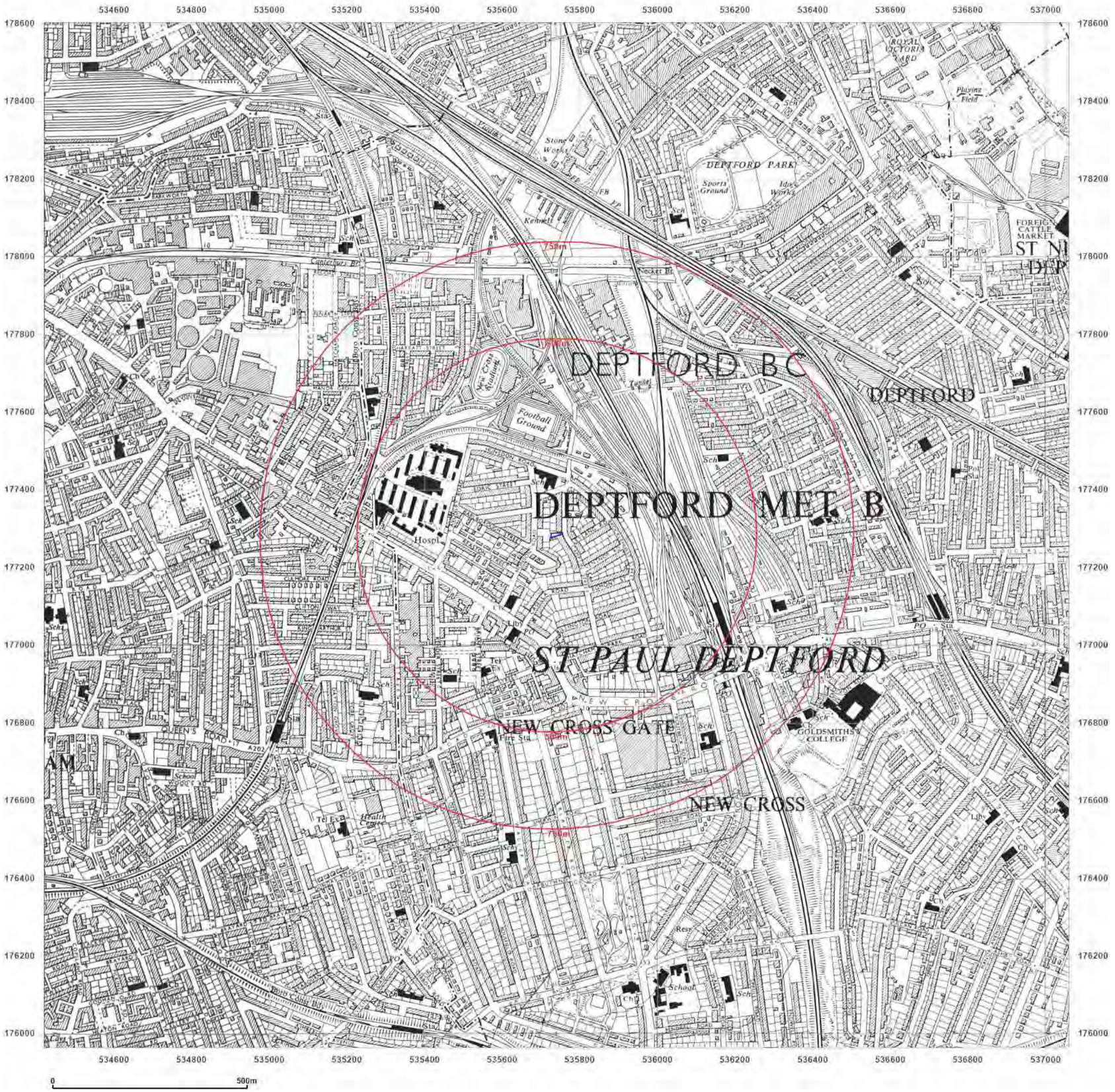
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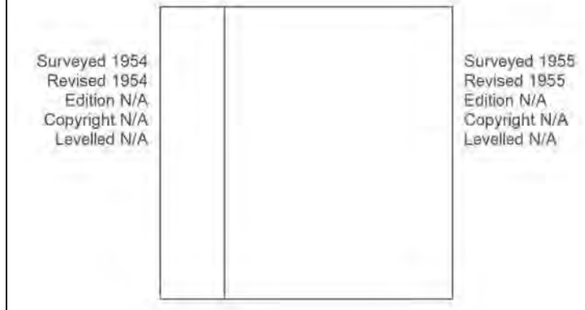
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LAND BETWEEN 43 AND 45,
CAMPLIN STREET, LONDON,
SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: Provisional
Map date: **1954-1955**
Scale: 1:10,560
Printed at: 1:10,560

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W E
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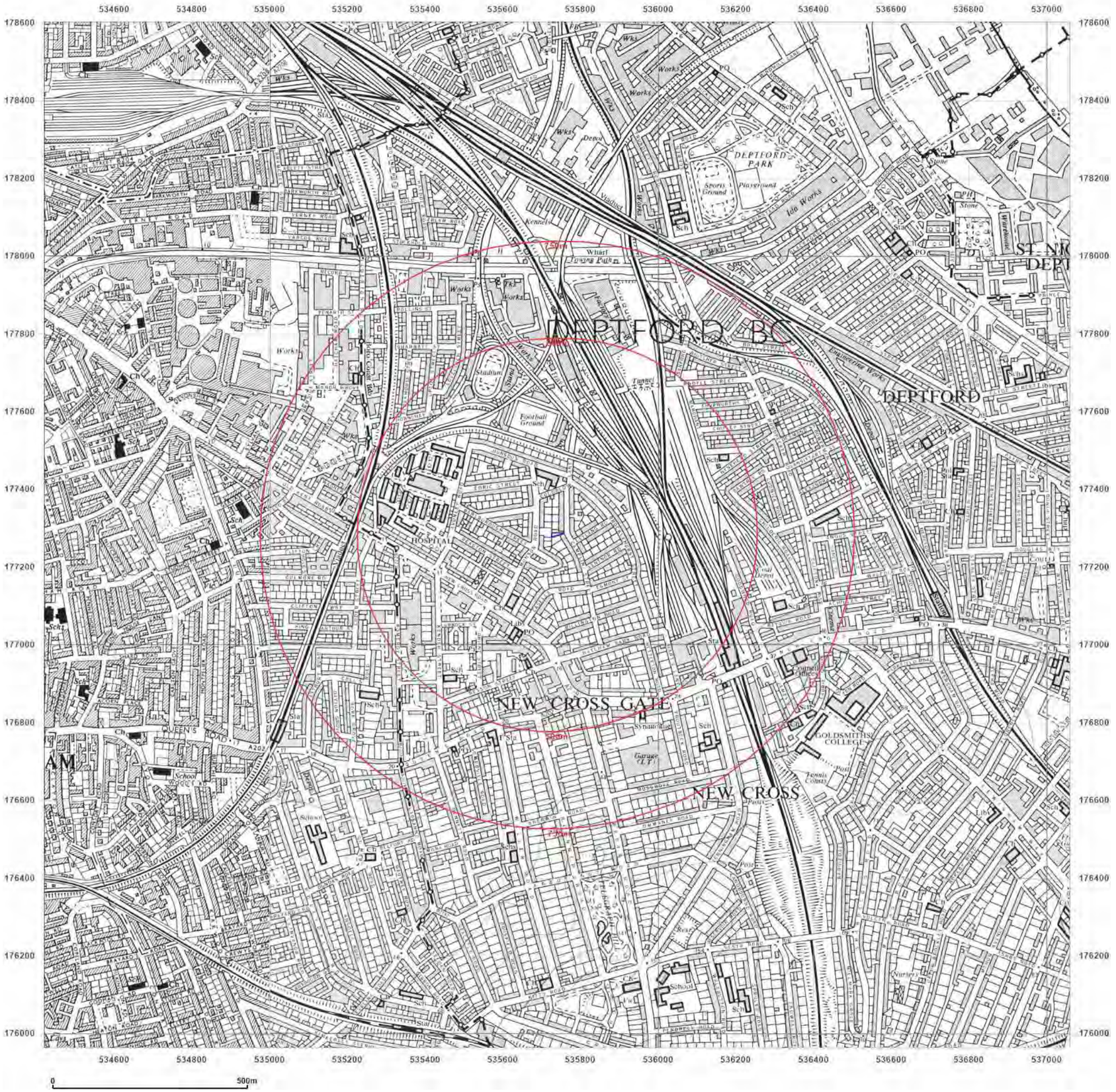
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Site Details:

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SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: Provisional

Map date: **1962-1967**

Scale: 1:10,560

Printed at: 1:10,560

N
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Surveyed 1962
Revised 1962
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1965
Revised 1967
Edition N/A
Copyright N/A
Levelled N/A

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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

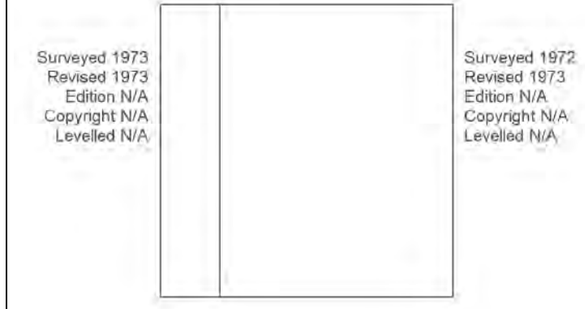
Map Name: National Grid

Map date: **1973**

Scale: 1:10,000

Printed at: 1:10,000

N
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Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **1979**

Scale: 1:10,000

Printed at: 1:10,000

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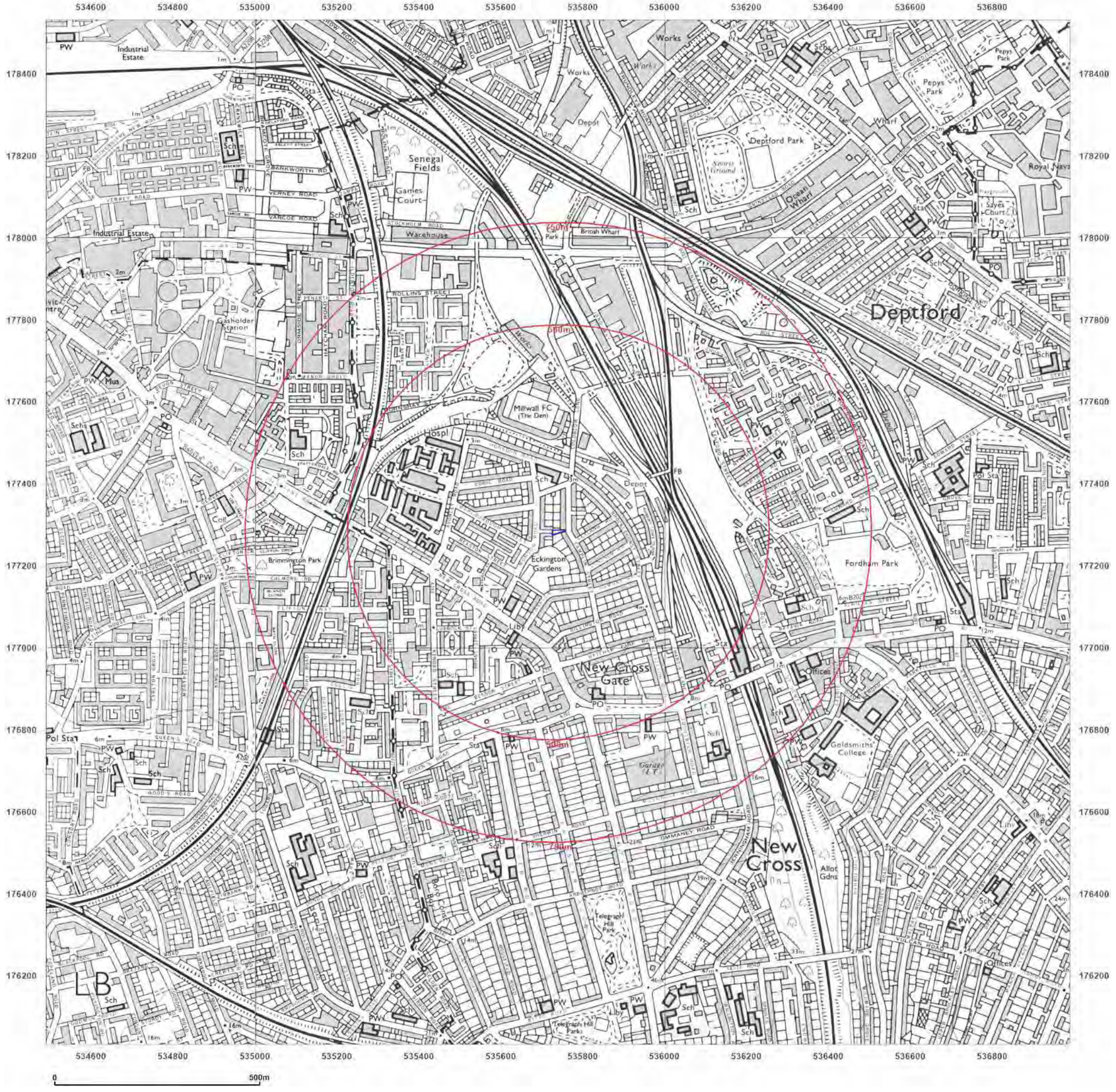
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Site Details:

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SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

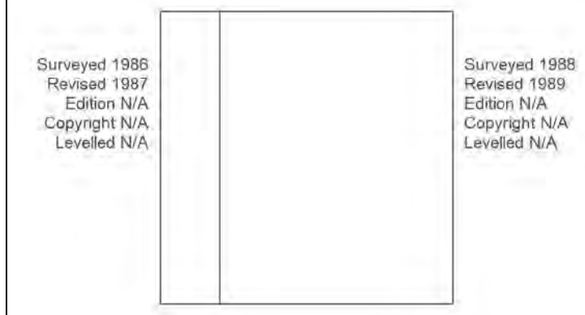
Map Name: National Grid

Map date: **1987-1989**

Scale: 1:10,000

Printed at: 1:10,000

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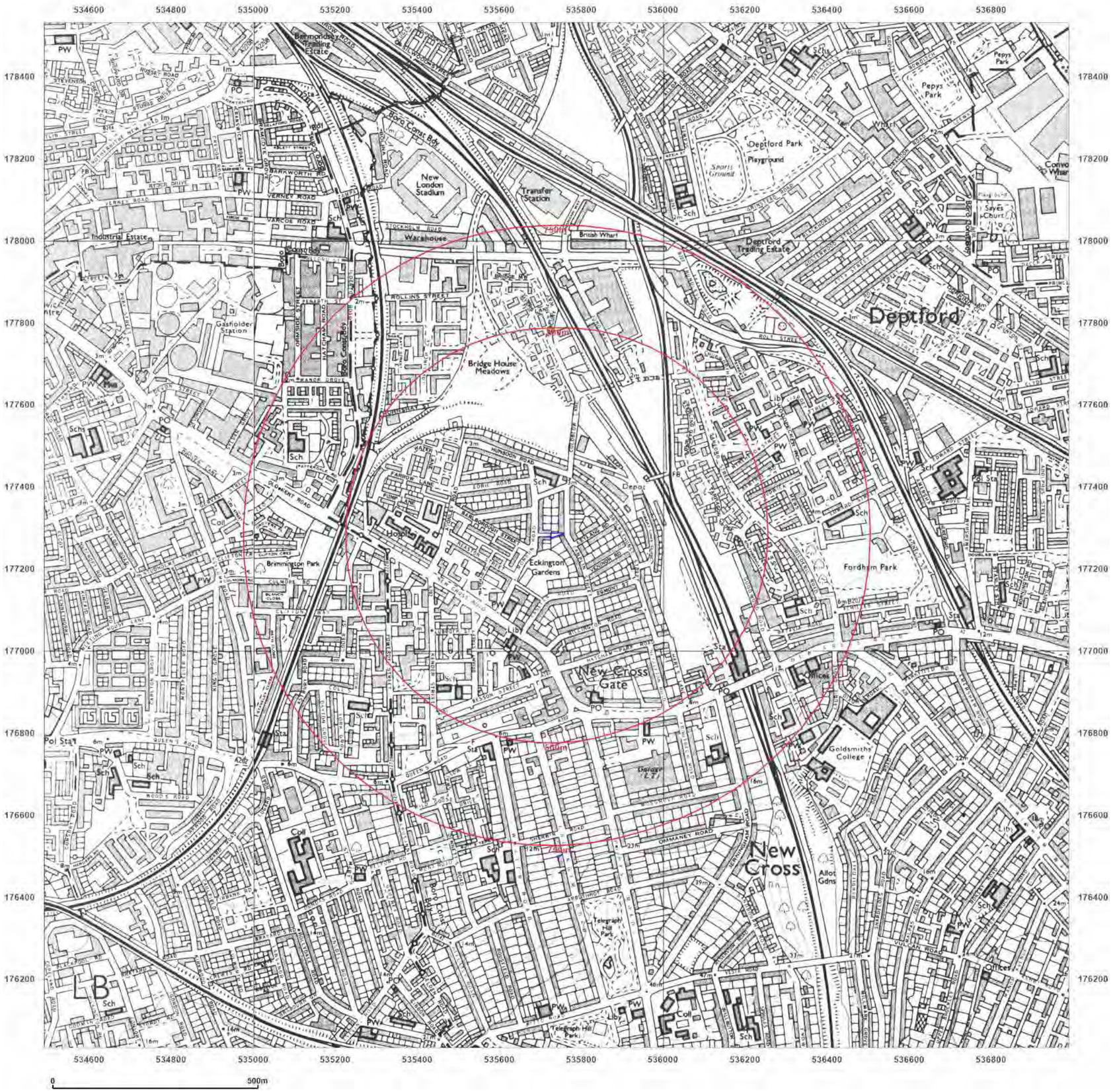
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Groundsure INSIGHTS

Site Details:

LAND BETWEEN 43 AND 45,
CAMPLIN STREET, LONDON,
SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **1993-1994**

Scale: 1:10,000

Printed at: 1:10,000

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Revised 1993
Edition N/A
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Surveyed 1988
Revised 1994
Edition N/A
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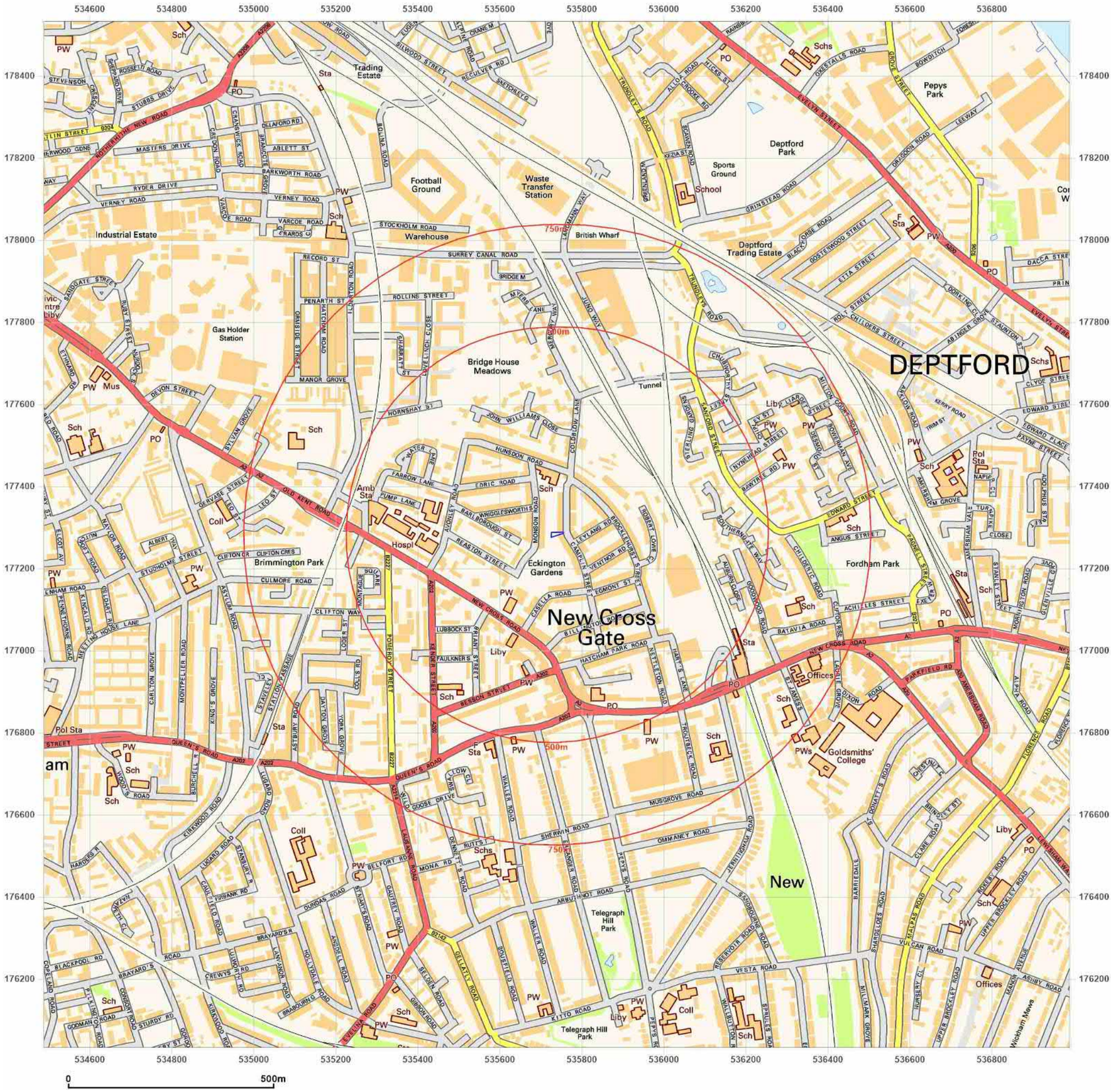
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Groundsure INSIGHTS

Site Details:

LAND BETWEEN 43 AND 45,
CAMPLIN STREET, LONDON,
SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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Groundsure INSIGHTS

Site Details:

LAND BETWEEN 43 AND 45,
CAMPLIN STREET, LONDON,
SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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2010

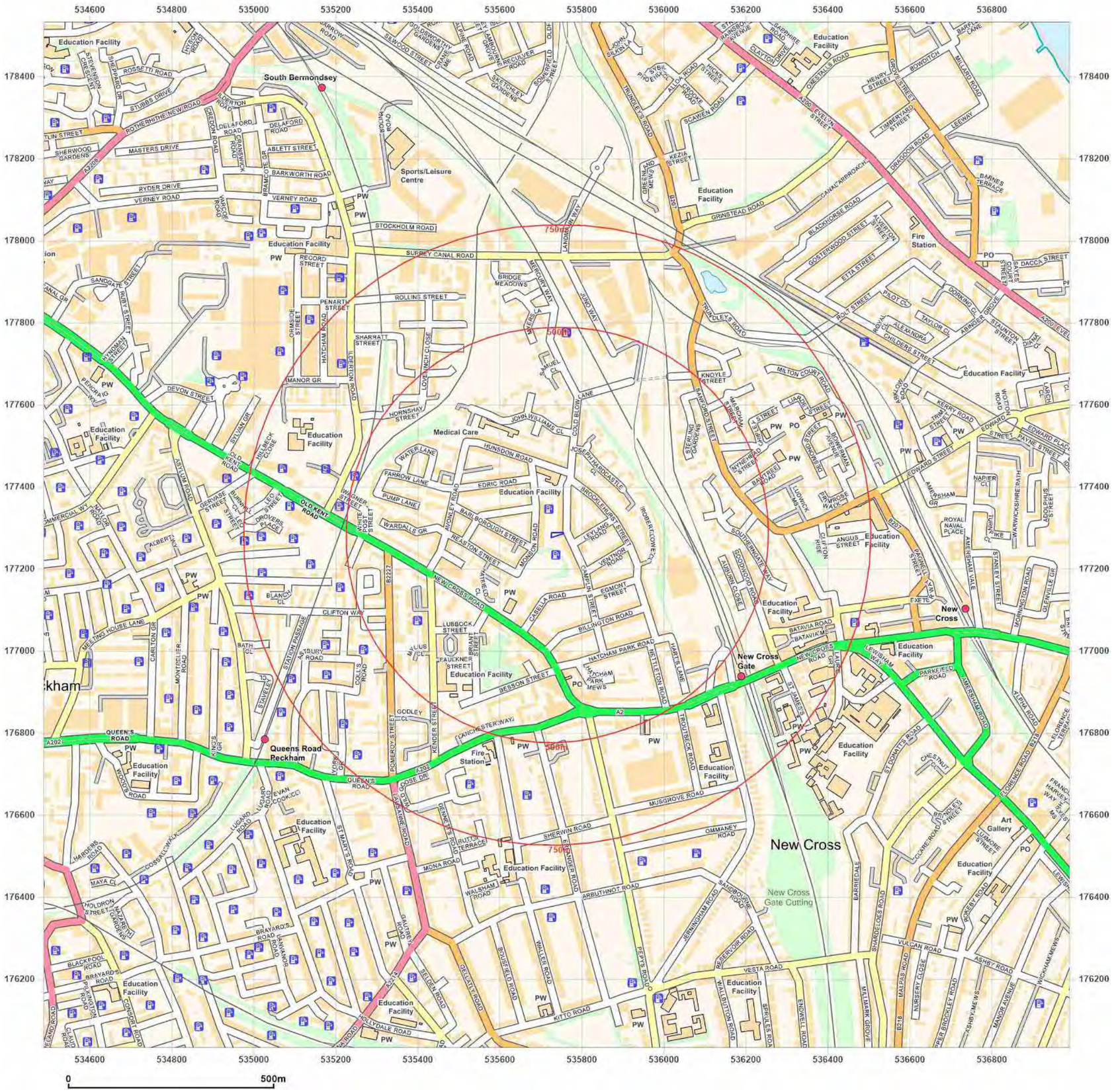
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Production date: 27 May 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

LAND BETWEEN 43 AND 45,
CAMPLIN STREET, LONDON,
SE14 5QX

Client Ref: PH1-2025-000065
Report Ref: GS-U77-UJL-W94-8XZ
Grid Ref: 535739, 177283

Map Name: National Grid

Map date: **2025**

Scale: 1:10,000

Printed at: 1:10,000

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W E
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2025

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Map legend available at:
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19 APPENDIX 3 – ENVIRONMENTAL SCREENING REPORT

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

LAND BETWEEN 43 AND 45, CAMPLIN STREET, LONDON, SE14 5QX

Order Details

Date: 27/05/2025

Your ref: PH1-2025-000065

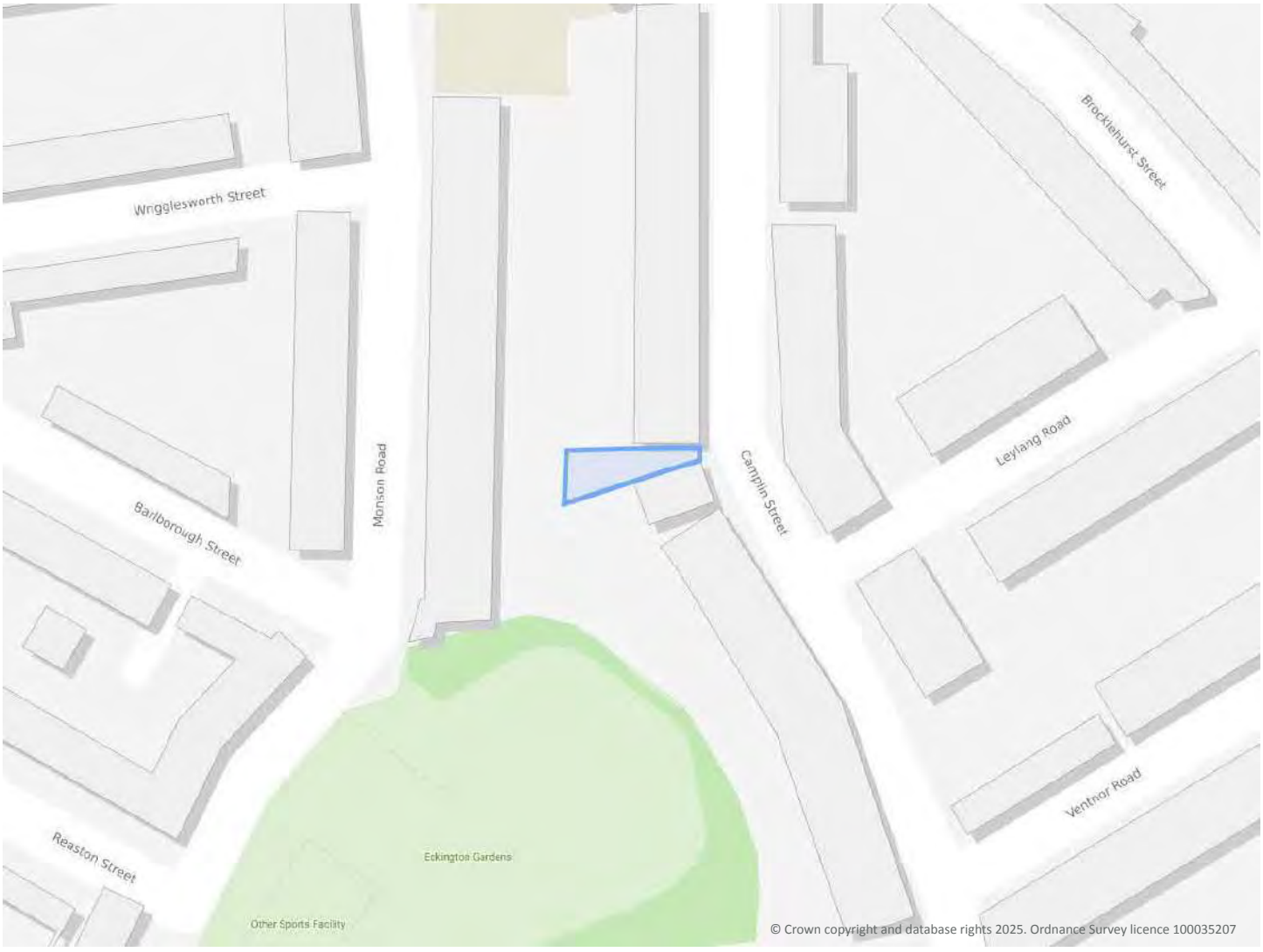
Our Ref: GS-K6F-BTS-J4G-H3J

Site Details

Location: 535736 177285

Area: 0.03 ha

Authority: London Borough of Lewisham ↗



Summary of findings p. 2 >

OS MasterMap site plan p.14 >

Aerial image p. 9 >

Insight User Guide ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	53	149	-
23 >	1.2 >	Historical tanks >	0	0	5	20	-
24 >	1.3 >	Historical energy features >	0	2	7	49	-
27	1.4	Historical petrol stations	0	0	0	0	-
27 >	1.5 >	Historical garages >	0	0	3	23	-
28	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
29 >	2.1 >	Historical industrial land uses >	0	0	63	194	-
39 >	2.2 >	Historical tanks >	0	0	17	49	-
41 >	2.3 >	Historical energy features >	0	6	13	134	-
47	2.4	Historical petrol stations	0	0	0	0	-
47 >	2.5 >	Historical garages >	0	0	6	52	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
51	3.1	Active or recent landfill	0	0	0	0	-
51	3.2	Historical landfill (BGS records)	0	0	0	0	-
52	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
52 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
52 >	3.5 >	Historical waste sites >	0	0	0	40	-
57 >	3.6 >	Licensed waste sites >	0	0	0	7	-
59 >	3.7 >	Waste exemptions >	0	0	1	22	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
62 >	4.1 >	Recent industrial land uses >	0	0	3	-	-
63 >	4.2 >	Current or recent petrol stations >	0	0	0	2	-
63 >	4.3 >	Electricity cables >	0	6	15	23	-
67	4.4	Gas pipelines	0	0	0	0	-
67	4.5	Sites determined as Contaminated Land	0	0	0	0	-

67	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
67	4.7	Regulated explosive sites	0	0	0	0	-
67	4.8	Hazardous substance storage/usage	0	0	0	0	-
68	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
68	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
68 >	**4.11 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	0	3	-
69	4.12	Radioactive Substance Authorisations	0	0	0	0	-
69	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
69	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
69 >	**4.15 >**	**Pollutant release to public sewer >**	0	0	0	2	-
70 >	**4.16 >**	**List 1 Dangerous Substances >**	0	0	0	2	-
70	4.17	List 2 Dangerous Substances	0	0	0	0	-
70 >	**4.18 >**	**Pollution Incidents (EA/NRW) >**	0	0	0	1	-
71	4.19	Pollution inventory substances	0	0	0	0	-
71	4.20	Pollution inventory waste transfers	0	0	0	0	-
71	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	**Hydrogeology >**	On site	0-50m	50-250m	250-500m	500-2000m
72 >	**5.1 >**	**Superficial aquifer >**	Identified (within 500m)				
74 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
76 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
77 >	**5.4 >**	**Groundwater vulnerability- soluble rock risk >**	Identified (within 0m)				
77	5.5	Groundwater vulnerability- local information	None (within 0m)				
79 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	2	36
87	5.7	Surface water abstractions	0	0	0	0	0
88 >	**5.8 >**	**Potable abstractions >**	0	0	0	0	4
89	5.9	Source Protection Zones	0	0	0	0	-
89	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m
90	6.1	Water Network (OS MasterMap)	0	0	0	-	-

90	6.2	Surface water features	0	0	0	-	-
91 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
91	6.4	WFD Surface water bodies	0	0	0	-	-
91 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
93	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
94	7.2	Historical Flood Events	0	0	0	-	-
94	7.3	Flood Defences	0	0	0	-	-
94 >	7.4 >	Areas Benefiting from Flood Defences >	1	0	0	-	-
94	7.5	Flood Storage Areas	0	0	0	-	-
95	7.6	Flood Zone 2	None (within 50m)				
96 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
97 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
99 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
100	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
101	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
101	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
101	10.4	Special Protection Areas (SPA)	0	0	0	0	0
101	10.5	National Nature Reserves (NNR)	0	0	0	0	0
102 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	3
102	10.7	Designated Ancient Woodland	0	0	0	0	0
102	10.8	Biosphere Reserves	0	0	0	0	0
103	10.9	Forest Parks	0	0	0	0	0
103	10.10	Marine Conservation Zones	0	0	0	0	0
103	10.11	Green Belt	0	0	0	0	0
103	10.12	Proposed Ramsar sites	0	0	0	0	0

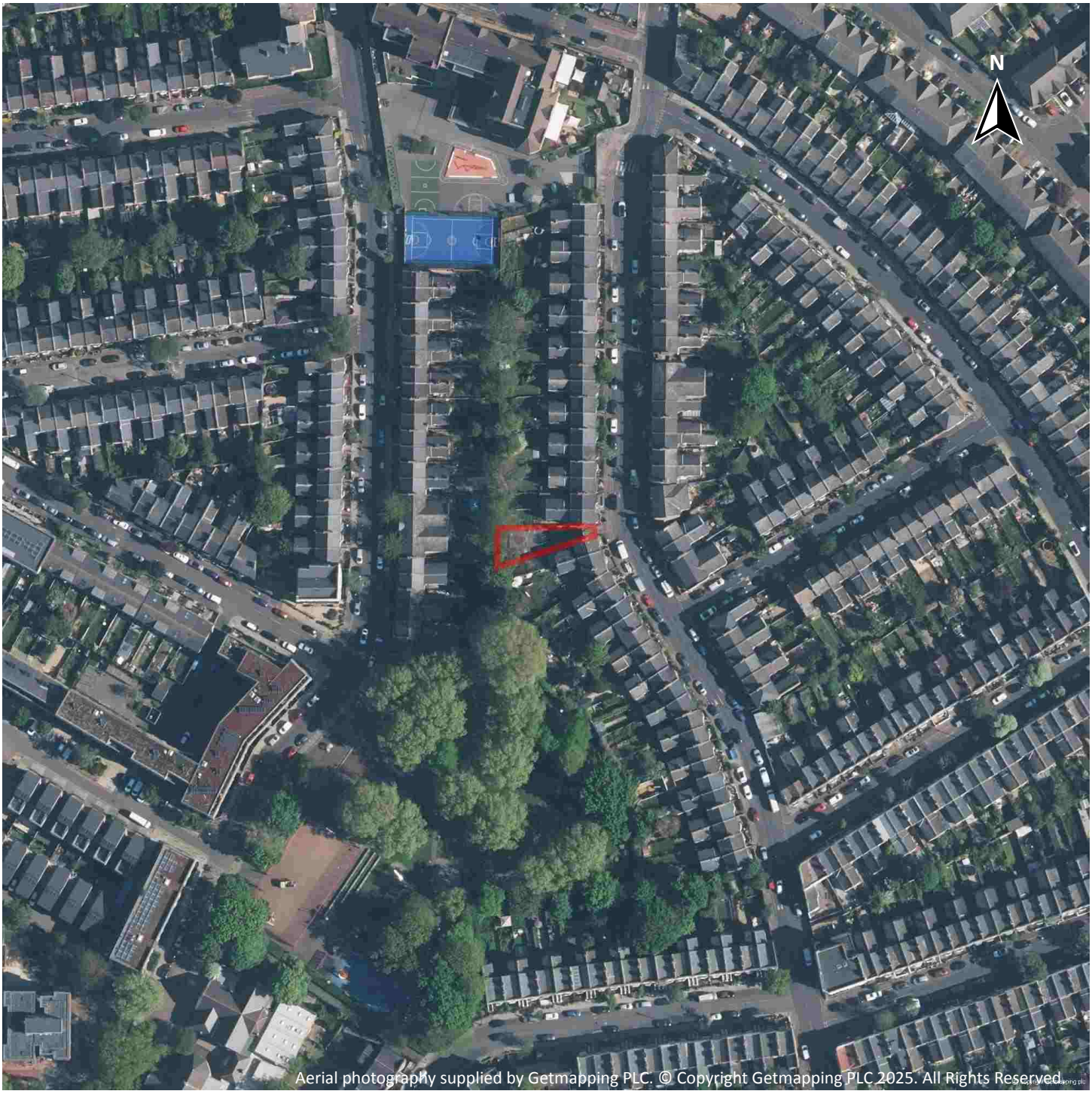
103	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
104	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
104	10.15	Nitrate Sensitive Areas	0	0	0	0	0
104	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
105 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
106	10.18	SSSI Units	0	0	0	0	0
Page	Section	**Visual and cultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
107	11.1	World Heritage Sites	0	0	0	-	-
108	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
108	11.3	National Parks	0	0	0	-	-
108 >	11.4 >	Listed Buildings >	0	1	0	-	-
109 >	11.5 >	Conservation Areas >	1	0	0	-	-
109	11.6	Scheduled Ancient Monuments	0	0	0	-	-
109	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations** >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
111	12.2	Open Access Land	0	0	0	-	-
111	12.3	Tree Felling Licences	0	0	0	-	-
111	12.4	Environmental Stewardship Schemes	0	0	0	-	-
111	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	**Habitat designations** >	On site	0-50m	50-250m	250-500m	500-2000m
112 >	13.1 >	Priority Habitat Inventory >	0	2	4	-	-
113	13.2	Habitat Networks	0	0	0	-	-
113	13.3	Open Mosaic Habitat	0	0	0	-	-
113	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	**Geology 1:10,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
114 >	14.1 >	10k Availability >	Identified (within 500m)				
115 >	14.2 >	Artificial and made ground (10k) >	0	0	4	4	-
117 >	14.3 >	Superficial geology (10k) >	1	1	0	2	-

118	14.4	Landslip (10k)	0	0	0	0	-
119 >	14.5 >	Bedrock geology (10k) >	2	0	0	3	-
120 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	1	-
Page	Section	**Geology 1:50,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	15.1 >	50k Availability >	Identified (within 500m)				
122 >	15.2 >	Artificial and made ground (50k) >	0	0	2	3	-
123	15.3	Artificial ground permeability (50k)	0	0	-	-	-
124 >	15.4 >	Superficial geology (50k) >	1	1	0	2	-
125 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
125	15.6	Landslip (50k)	0	0	0	0	-
125	15.7	Landslip permeability (50k)	None (within 50m)				
126 >	15.8 >	Bedrock geology (50k) >	2	0	0	3	-
127 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
127 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	1	-
Page	Section	**Boreholes** >	On site	0-50m	50-250m	250-500m	500-2000m
128 >	16.1 >	BGS Boreholes >	0	1	9	-	-
Page	Section	**Natural ground subsidence** >					
130 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
131 >	17.2 >	Running sands >	Very low (within 50m)				
133 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
134 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
135 >	17.5 >	Landslides >	Very low (within 50m)				
136 >	17.6 >	Ground dissolution of soluble rocks >	Very low (within 50m)				
Page	Section	**Mining and ground workings** >	On site	0-50m	50-250m	250-500m	500-2000m
138 >	18.1 >	BritPits >	0	0	1	0	-
139 >	18.2 >	Surface ground workings >	0	0	9	-	-
140 >	18.3 >	Underground workings >	0	0	0	5	0
140	18.4	Underground mining extents	0	0	0	0	-
140	18.5	Historical Mineral Planning Areas	0	0	0	0	-

141 >	18.6 >	Non-coal mining >	0	0	0	2	3
141	18.7	JPB mining areas	None (within 0m)				
142	18.8	The Coal Authority non-coal mining	0	0	0	0	-
142	18.9	Researched mining	0	0	0	0	-
142	18.10	Mining record office plans	0	0	0	0	-
142	18.11	BGS mine plans	0	0	0	0	-
143	18.12	Coal mining	None (within 0m)				
143	18.13	Brine areas	None (within 0m)				
143	18.14	Gypsum areas	None (within 0m)				
143	18.15	Tin mining	None (within 0m)				
143	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
144	19.1	Natural cavities	0	0	0	0	-
144	19.2	Mining cavities	0	0	0	0	0
144	19.3	Reported recent incidents	0	0	0	0	-
144	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
146 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
148 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	1	-	-	-
148 >	21.2 >	BGS Estimated Urban Soil Chemistry >	1	5	-	-	-
149	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
150	22.1	Underground railways (London)	0	0	0	-	-
150	22.2	Underground railways (Non-London)	0	0	0	-	-
151	22.3	Railway tunnels	0	0	0	-	-
151 >	22.4 >	Historical railway and tunnel features >	0	0	39	-	-
152	22.5	Royal Mail tunnels	0	0	0	-	-
153	22.6	Historical railways	0	0	0	-	-

153 >	22.7 >	Railways >	0	0	2	-	-
153	22.8	Crossrail 2	0	0	0	0	-
153	22.9	HS2	0	0	0	0	-

Recent aerial photograph

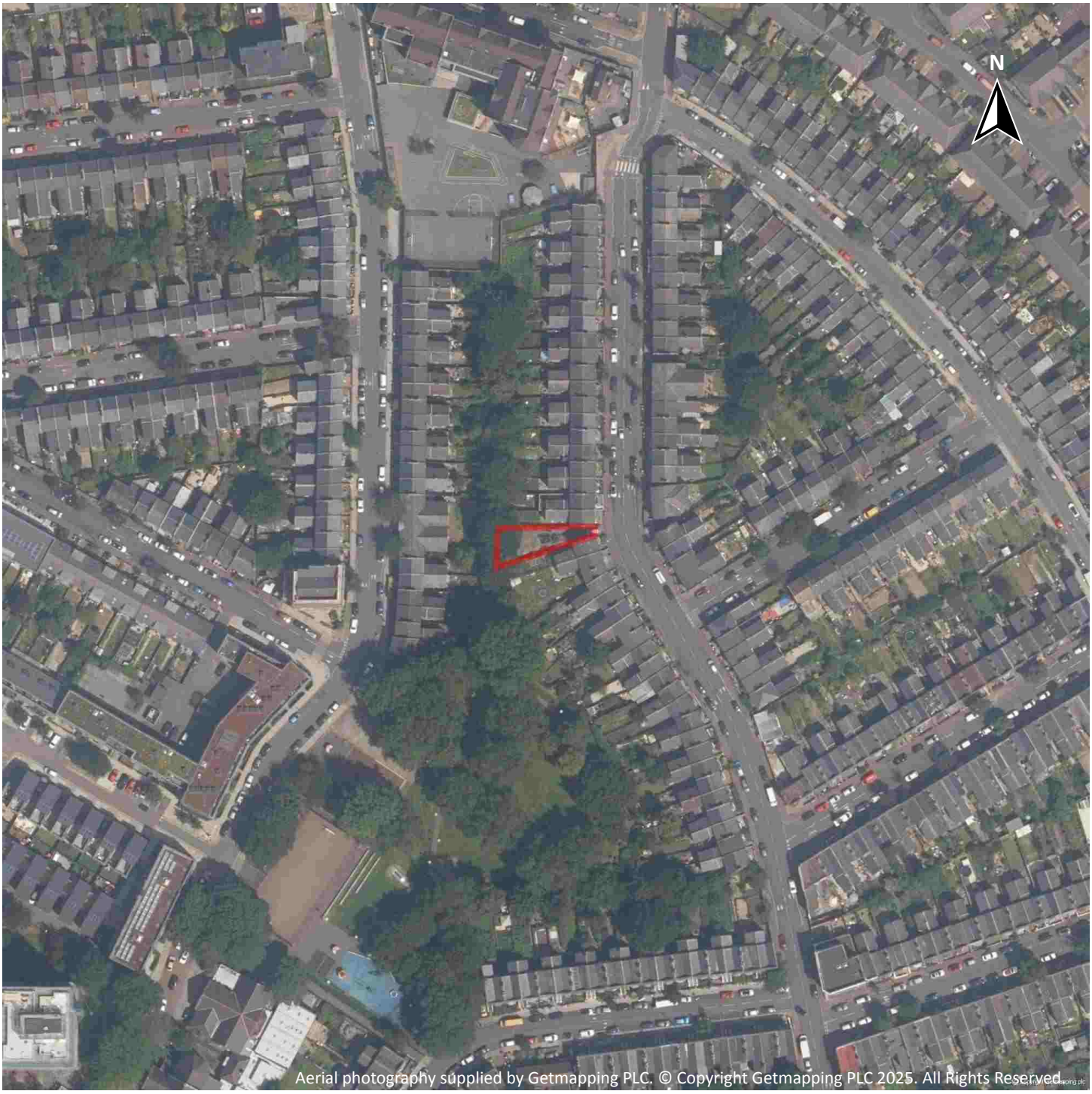


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Capture Date: 30/04/2022

Site Area: 0.03ha

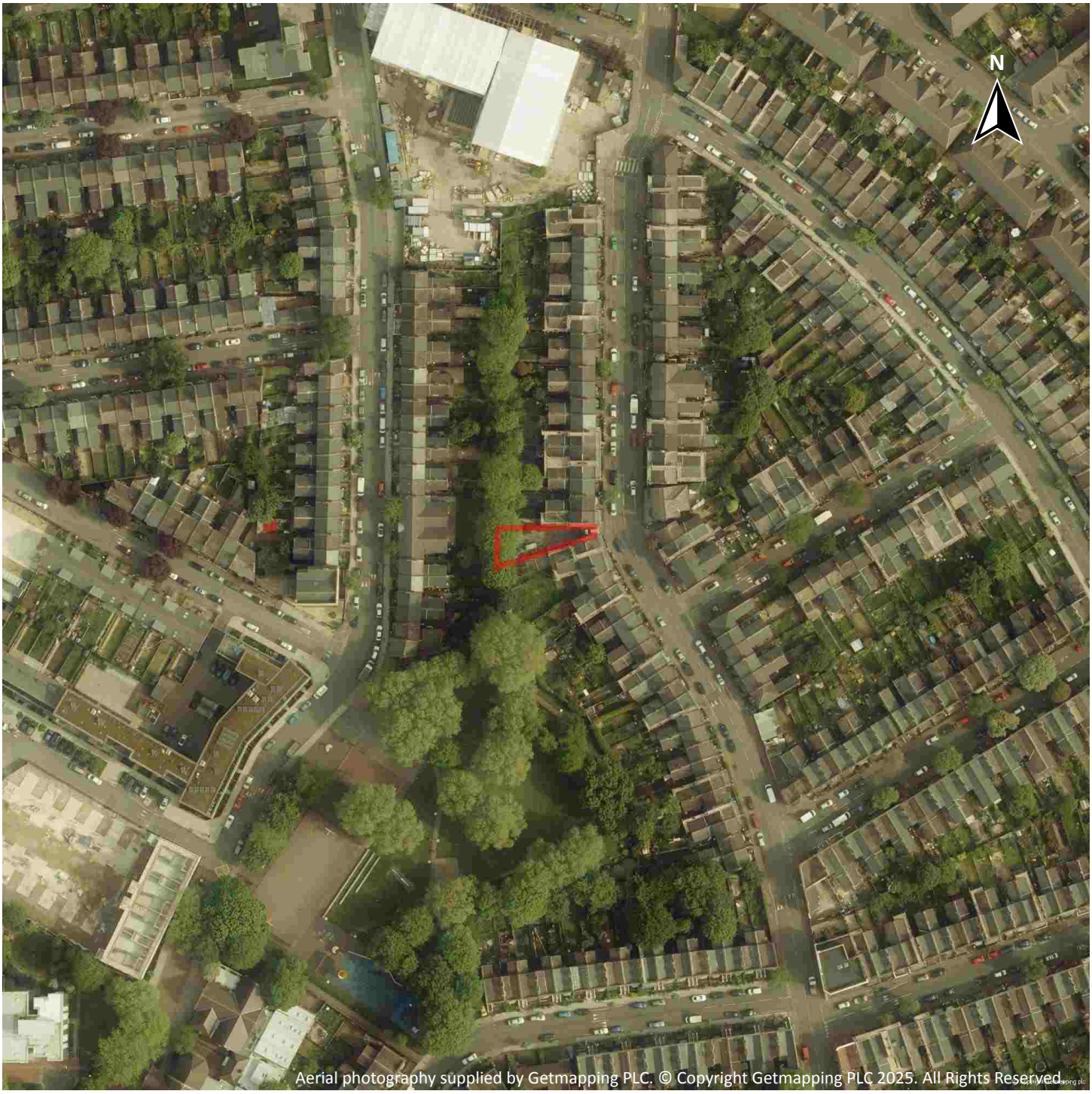
Recent site history - 2019 aerial photograph



Capture Date: 29/06/2019

Site Area: 0.03ha

Recent site history - 2014 aerial photograph



Capture Date: 04/05/2014

Site Area: 0.03ha

Recent site history - 2011 aerial photograph



Capture Date: 30/09/2011

Site Area: 0.03ha

Recent site history - 1999 aerial photograph



Capture Date: 04/09/1999

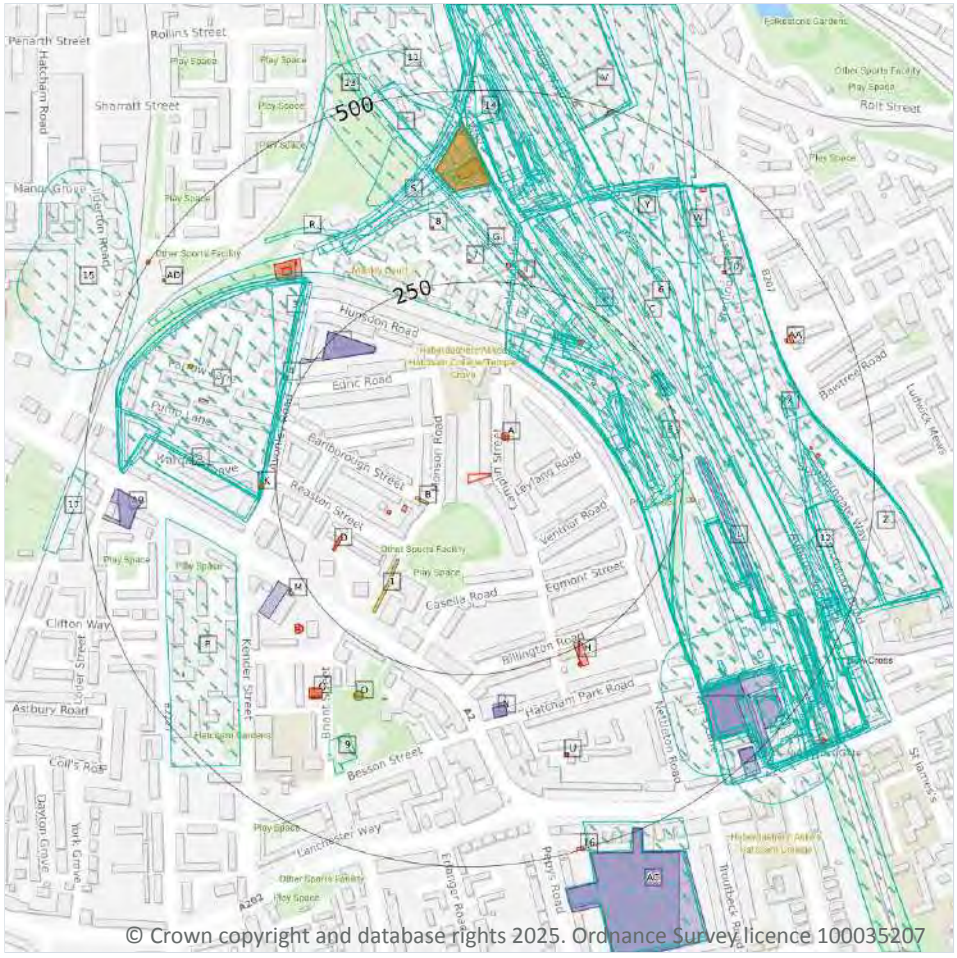
Site Area: 0.03ha

OS MasterMap site plan



Site Area: 0.03ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	202

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
C	140m NE	Railway Sidings	1948	2237339

ID	Location	Land use	Dates present	Group ID
C	141m NE	Railway Sidings	1894	2273215
C	141m NE	Unspecified Depot	1994	2223899
C	143m NE	Railway Land	1896	2316452
C	143m NE	Railway Sidings	1955	2226848
C	144m NE	Railway Sidings	1920	2239350
C	144m NE	Railway Sidings	1938	2252404
C	145m NE	Unspecified Depot	1973 - 1989	2317566
C	154m NE	Railway Building	1955	2197485
C	158m E	Railway Sidings	1967	2255446
C	159m NE	Railway Building	1955	2197486
C	159m NE	Railway Building	1955	2198088
C	160m NE	Railway Building	1955	2198089
C	162m NE	Railway Sidings	1894	2283969
C	164m NE	Railway Sidings	1894	2309280
C	164m E	Railway Sidings	1979	2214356
C	164m E	Railway Sidings	1973	2266325
C	173m NE	Sand and Gravel Pit	1894	2210642
C	175m NE	Railway Sidings	1871 - 1994	2275712
C	175m E	Sand and Gravel Pit	1898	2255757
C	178m NE	Railway Building	1955	2198087
C	179m E	Sand and Gravel Pit	1896	2212595
C	180m NE	Sand and Gravel Pit	1894	2298203
C	180m NE	Railway Building	1955	2197484
E	181m NE	Railway Sidings	1896	2259852
C	183m E	Sand and Gravel Pit	1894	2224153
E	190m E	Refuse Heap	1920 - 1938	2304367
C	191m NE	Railway Building	1898	2221354
C	194m NE	Railway Building	1894	2235265

ID	Location	Land use	Dates present	Group ID
C	194m NE	Railway Building	1894	2293995
C	196m NE	Railway Building	1948	2214541
C	197m NE	Railway Building	1955	2223137
C	203m NE	Railway Building	1955	2198086
G	204m NE	Railway Sidings	1898	2332071
C	207m N	Railway Building	1955	2197848
C	209m NE	Railway Building	1871	2197480
C	211m NE	Railway Sidings	1873	2241439
C	218m NE	Railway Sidings	1989	2284231
E	229m E	Railway Building	1920 - 1938	2292445
C	231m E	Railway Building	1994	2260232
C	232m E	Railway Building	1979 - 1989	2214137
C	240m E	Railway Building	1973	2284552
E	241m E	Railway Building	1920 - 1938	2302122
2	242m NE	Railway Sidings	1872	2312624
C	244m NE	Railway Buildings	1898	2292928
C	244m NE	Railway Building	1967	2274094
C	244m NE	Railway Buildings	1894	2231121
C	246m NE	Railway Buildings	1894	2267644
C	247m NE	Railway Building	1979	2239963
C	247m NE	Railway Buildings	1920 - 1938	2202630
C	248m NE	Railway Building	1873	2267245
C	250m NE	Railway Building	1871	2317174
3	250m W	Hospital	1894	2297538
G	256m NE	Railway Building	1873	2278914
J	257m W	Hospital	1894	2218318
J	259m W	Hospital	1898	2234106
J	261m W	Hospital	1979 - 1989	2256001

ID	Location	Land use	Dates present	Group ID
G	262m NE	Railway Building	1871	2330669
J	262m W	Hospital	1894	2267357
J	262m W	Hospital	1896	2310320
G	264m NE	Railway Station	1872	2168018
J	264m W	Hospital	1948 - 1973	2286872
J	264m W	Hospital	1920 - 1938	2307344
L	266m E	Railway Building	1871	2323930
L	267m E	Railway Building	1873	2261436
5	267m W	Hospital	1994	2327389
G	272m NE	Railway Sidings	1896	2267826
G	275m NE	Unspecified Pit	1871	2178731
L	275m E	Railway Building	1872	2226896
6	276m NE	Railway Sidings	1898	2270421
L	282m NE	Railway Sidings	1872	2215812
L	284m E	Engine Sheds	1920 - 1938	2232494
L	285m E	Railway Buildings	1967	2232281
L	286m E	Engine Sheds	1948	2305972
L	288m E	Railway Buildings	1894	2330782
L	288m E	Railway Building	1955	2197482
L	288m E	Railway Buildings	1898	2245644
L	289m E	Railway Buildings	1894	2293816
L	290m E	Railway Sidings	1896	2231824
L	291m E	Railway Sidings	1898	2235291
G	304m NE	Railway Building	1873	2198083
O	306m SW	Unspecified Tank	1979 - 1994	2237020
L	310m E	Railway Building	1967 - 1973	2227818
G	311m NE	Railway Building	1871	2198081
L	312m E	Railway Building	1955	2289378

ID	Location	Land use	Dates present	Group ID
P	317m W	Unspecified Works	1967 - 1979	2246016
L	320m E	Railway Building	1873	2197481
L	326m SE	Unspecified Commercial/Industrial	1871	2273514
G	328m N	Unspecified Commercial/Industrial	1955	2171746
G	328m N	Railway Sidings	1955	2283887
G	337m N	Railway Building	1898	2239852
G	337m N	Railway Building	1894	2312484
G	338m N	Railway Buildings	1894	2223993
S	338m NW	Railway Sidings	1955	2313762
G	340m N	Railway Buildings	1894	2254560
G	342m N	Railway Building	1873	2257713
G	343m N	Railway Buildings	1948	2260835
G	345m N	Railway Buildings	1920 - 1938	2293598
G	347m N	Railway Building	1871	2275109
T	349m N	Timber Yard	1920	2200902
G	349m N	Railway Building	1898	2250718
G	350m N	Railway Building	1894	2242337
R	353m NW	Unspecified Ground Workings	1994	2165344
L	355m E	Railway Building	1955	2293292
G	357m N	Railway Building	1898	2198085
G	358m N	Railway Buildings	1894	2288206
G	360m N	Gas Works	1894	2245034
G	360m N	Gas Works	1898	2212110
G	361m N	Railway Buildings	1894	2230189
9	362m SW	Telecomm Exchange	1955	2167044
G	366m N	Gas Works	1894	2270557
G	366m N	Railway Sidings	1896	2240770
G	368m N	Railway Buildings	1948	2160846

ID	Location	Land use	Dates present	Group ID
S	369m N	Unspecified Heap	1979	2188316
G	371m N	Railway Building	1898	2263994
G	377m N	Gasometers	1894	2256073
G	377m N	Gasometers	1898	2203124
G	377m N	Railway Building	1967	2294063
G	379m N	Railway Building	1898	2198084
G	380m N	Gasometer	1894	2161727
L	382m SE	Railway Building	1955	2227889
L	383m SE	Railway Building	1955	2197483
V	384m N	Unspecified Commercial/Industrial	1979 - 1989	2244127
G	385m N	Railway Building	1898	2233900
G	385m N	Railway Building	1967	2198090
L	386m SE	Railway Building	1920 - 1938	2274305
L	388m SE	Railway Works	1920 - 1938	2325377
W	389m NE	Railway Sidings	1898	2240636
G	389m N	Railway Sidings	1872	2235524
L	389m SE	Unspecified Commercial/Industrial	1872	2269859
X	389m E	Railway Building	1920 - 1938	2319738
G	390m N	Railway Buildings	1967	2238590
G	390m N	Gasometer	1894	2161726
Y	390m NE	Unspecified Ground Workings	1948	2165161
G	391m N	Railway Building	1873	2331735
G	392m NE	Railway Building	1894	2198091
X	393m E	Railway Building	1979	2267251
G	393m N	Railway Building	1872	2235508
L	393m SE	Railway Building	1894	2311759
L	393m SE	Railway Works	1948	2328564
X	394m E	Railway Building	1967 - 1973	2317198

ID	Location	Land use	Dates present	Group ID
L	394m SE	Unspecified Commercial/Industrial	1898	2324849
G	395m N	Railway Building	1871	2284288
W	396m NE	Railway Sidings	1896	2280866
Z	398m E	Coal Depot	1967	2328041
L	400m SE	Railway Buildings	1894	2269346
Y	401m NE	Tunnel	1948	2206730
L	402m SE	Railway Building	1955	2254502
Y	403m NE	Tunnel	1955 - 1967	2327045
Y	404m NE	Tunnel	1920 - 1938	2247807
Z	404m E	Coal Depot	1920 - 1938	2253332
X	405m E	Railway Building	1973 - 1979	2223922
L	412m SE	Railway Sidings	1872	2313564
X	413m E	Railway Building	1979 - 1989	2266611
T	413m N	Unspecified Works	1989	2277806
L	416m SE	Railway Building	1955	2197458
L	417m E	Railway Station	1872	2220242
L	419m SE	Railway Building	1979	2213296
11	422m N	Pepper Mills	1894	2198262
T	422m N	Unspecified Works	1979	2254335
T	422m N	Unspecified Works	1967 - 1973	2319099
L	425m SE	Railway Station	1955	2228393
12	426m E	Railway Building	1967	2197460
L	426m SE	Railway Station	1894 - 1896	2241387
L	427m SE	Railway Station	1920 - 1938	2321921
L	427m SE	Railway Station	1898	2308618
L	428m SE	Railway Station	1967 - 1973	2220902
L	429m E	Railway Building	1872	2197457
L	429m SE	Railway Station	1948	2307541

ID	Location	Land use	Dates present	Group ID
L	431m SE	Railway Station	1894	2275238
L	438m SE	Railway Station	1894	2240987
Y	438m NE	Railway Building	1979 - 1994	2279574
L	446m SE	Railway Building	1979 - 1989	2330113
13	448m NW	Unspecified Disused Workings	1979	2198340
L	449m SE	Railway Building	1994	2328746
L	450m SE	Railway Building	1994	2306771
L	451m SE	Railway Station	1871	2233907
L	455m SE	Railway Station	1873	2216847
L	455m E	Railway Station	1871	2214042
L	456m E	Railway Station	1873	2294574
L	456m E	Railway Building	1967	2273517
14	457m N	Railway Sidings	1896	2233121
L	460m E	Railway Buildings	1898	2303096
L	460m E	Railway Building	1894	2222237
L	463m E	Railway Building	1920 - 1938	2309277
V	464m N	Tea, Cocoa and Coffee Factory	1948	2203914
L	465m SE	Railway Station	1872	2307170
L	465m E	Railway Building	1979 - 1989	2273960
V	466m N	Tea, Cocoa and Coffee Factory	1920 - 1938	2272973
AC	466m S	Tramway Depot	1920 - 1938	2262983
L	467m E	Railway Building	1948	2258733
L	469m E	Railway Buildings	1894	2304019
V	469m N	Unspecified Factory	1967 - 1973	2205845
L	470m SE	Railway Station	1979 - 1989	2254375
L	473m SE	Railway Building	1979 - 1989	2327386
L	473m SE	Railway Station	1994	2215847
L	477m SE	Railway Building	1873	2275613

ID	Location	Land use	Dates present	Group ID
15	478m W	Unspecified Works	1871	2274403
L	482m SE	Railway Building	1979 - 1989	2257407
L	487m SE	Railway Building	1994	2242270
AC	494m SE	Garage	1979 - 1994	2295939
17	496m W	Railway Station	1872	2318265

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**25**

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
B	58m SW	Tanks	1982 - 1992	413380
1	134m SW	Tanks	1982 - 1992	409950
C	176m NE	Unspecified Tank	1971 - 1992	405886
C	204m NE	Unspecified Tank	1896 - 1916	420887
C	241m E	Unspecified Tank	1971	384513
E	262m E	Unspecified Tank	1996	418765
K	267m W	Unspecified Tank	1984 - 1991	420904
K	267m W	Unspecified Tank	1991 - 1994	415721
M	268m SW	Unspecified Tank	1984 - 1994	423102
O	300m S	Unspecified Tank	1950 - 1956	425680
O	305m SW	Unspecified Tank	1991	406858
O	306m SW	Unspecified Tank	1982 - 1992	415338
O	309m SW	Unspecified Tank	1982	403394

ID	Location	Land use	Dates present	Group ID
J	353m W	Tanks	1971 - 1984	410303
G	371m N	Gas Works	1896	376514
G	384m N	Gasometers	1896	381363
J	385m W	Unspecified Tank	1978 - 1982	428647
J	386m W	Unspecified Tank	1950 - 1971	424279
J	386m W	Unspecified Tank	1984	431609
G	391m N	Gasometers	1896	381362
P	445m SW	Unspecified Tank	1978 - 1982	410902
AD	468m NW	Unspecified Tank	1994	417902
AD	469m NW	Unspecified Tank	1982	417994
AD	470m NW	Unspecified Tank	1982 - 1990	411766
V	490m N	Unspecified Tank	1950	406410

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**58**

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	47m NE	Electricity Substation	1971 - 1992	292046
A	50m NE	Electricity Substation	1991	281263
B	85m SW	Electricity Substation	1971	268219
B	107m W	Electricity Substation	1991	308126
B	107m W	Electricity Substation	1982 - 1992	281528
D	178m SW	Electricity Substation	1971	301268

ID	Location	Land use	Dates present	Group ID
D	178m SW	Electricity Substation	1982 - 1992	294329
D	191m SW	Electricity Substation	1991	302146
H	244m SE	Electricity Substation	1971	322486
I	255m N	Electricity Substation	1994	269636
K	264m W	Electricity Substation	1971 - 1994	296713
4	267m NW	Electricity Substation	1971 - 1994	296634
I	267m N	Electricity Substation	1971 - 1992	320417
H	270m SE	Electricity Substation	1991	321179
H	270m SE	Electricity Substation	1992	278296
H	270m SE	Electricity Substation	1982	284357
H	270m SE	Electricity Substation	1984	287987
H	270m SE	Electricity Substation	1991	302900
7	277m N	Electricity Substation	1996	266716
M	285m SW	Electricity Substation	1991	289685
M	285m SW	Electricity Substation	1971	286709
M	290m SW	Electricity Substation	1982 - 1992	303321
8	323m N	Electricity Substation	1996	266715
Q	328m SW	Electricity Substation	1982 - 1992	303660
Q	328m SW	Electricity Substation	1950 - 1971	282229
Q	336m SW	Electricity Substation	1982	311875
Q	336m SW	Electricity Substation	1950 - 1956	316717
Q	337m SW	Electricity Substation	1950	308236
R	337m NW	Electricity Substation	1971 - 1986	286834
R	340m NW	Electricity Substation	1990 - 1994	318870
R	348m NW	Electricity Substation	1994	309086
R	352m NW	Electricity Substation	1996	292637
G	371m N	Gas Works	1896	275357
U	374m S	Electricity Substation	1982	291056

ID	Location	Land use	Dates present	Group ID
U	374m S	Electricity Substation	1991	302260
G	384m N	Gasometers	1896	275487
G	391m N	Gasometers	1896	275488
10	399m NE	Electricity Substation	1992 - 1995	290623
X	417m E	Electricity Substation	1989 - 1991	284240
AA	420m NE	Electricity Substation	1969 - 1971	309310
X	423m E	Electricity Substation	1991 - 1996	322544
AA	427m NE	Electricity Substation	1983 - 1996	290837
G	442m N	Electricity Substation	1992 - 1996	297879
L	446m SE	Electricity Substation	1996	266721
L	452m SE	Electricity Substation	1950 - 1965	278712
W	458m NE	Electricity Substation	1950 - 1971	283218
V	490m N	Electricity Substation	1996	280850
V	490m N	Electricity Substation	1994	296826
V	490m N	Electricity Substation	1992	312444
V	490m N	Electricity Substation	1991	292929
V	490m N	Electricity Substation	1992	297188
V	490m N	Electricity Substation	1991	315147
V	493m N	Electricity Substation	1950	293295
V	493m N	Electricity Substation	1986	289459
16	496m S	Electricity Substation	1991	272346
AD	498m NW	Electricity Substation	1994	282930
L	498m SE	Electricity Substation	1950	321806
AD	498m NW	Electricity Substation	1971 - 1991	288655

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	26

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

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
F	201m NW	Garage	1982 - 1992	94359
F	201m NW	Garage	1991	93222
F	201m NW	Garage	1971	92292
M	268m SW	Garage	1962	81825
L	270m E	Carriage Shed	1873	82078
N	289m S	Garage	1982	85398
N	293m S	Garage	1956 - 1971	94959
N	294m S	Garage	1991	86284
L	392m SE	Repair Shed	1950	86422
L	392m SE	Repair Shed	1971	91072
L	392m SE	Repair Shed	1965 - 1984	87790
L	392m SE	Repair Shed	1989 - 1991	89568
L	392m SE	Repair Shed	1991 - 1992	85096
L	399m SE	Repair Shed	1950 - 1965	84900

ID	Location	Land use	Dates present	Group ID
L	399m SE	Repair Shed	1980 - 1991	88537
L	399m SE	Repair Shed	1991 - 1992	87577
AB	425m W	Garage	1978 - 1982	87883
AB	426m W	Garage	1962 - 1971	82568
L	448m SE	Repair Shed	1950	87097
L	451m SE	Repair Shed	1950	83239
L	481m SE	Garage	1994	85401
L	482m SE	Garage	1991 - 1992	86355
L	483m SE	Garage	1980 - 1991	95859
AC	495m SE	London Transport Garage	1956 - 1971	83451
AC	496m SE	London Transport Garage	1982 - 1985	90629
AC	496m SE	Transport Garage	1991	82353

This data is sourced from Ordnance Survey / Groundsure.

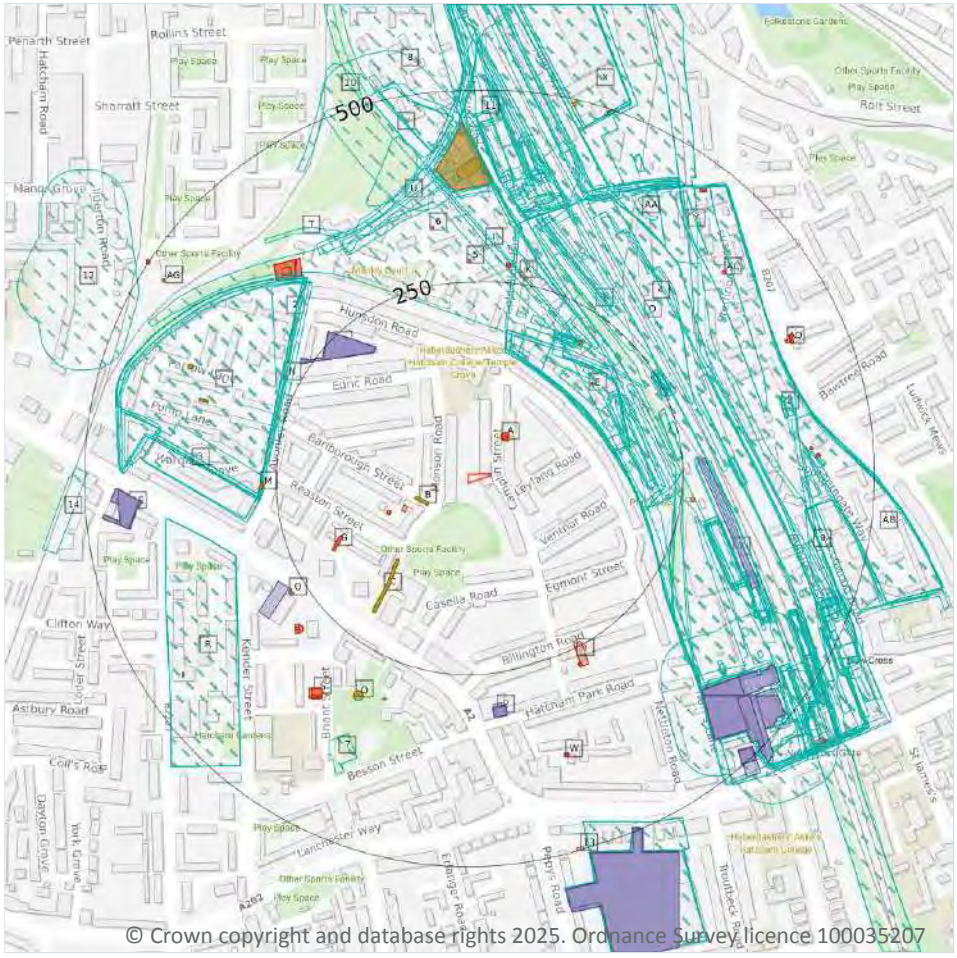
1.6 Historical military land

Records within 500m	**0**

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

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

2 Past land use - un-grouped



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2.1 Historical industrial land uses

Records within 500m	257

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

Features are displayed on the Past land use - un-grouped map on **page 29 >**

ID	Location	Land Use	Date	Group ID
D	140m NE	Railway Sidings	1948	2237339
D	141m NE	Railway Sidings	1894	2273215
E	141m NE	Unspecified Depot	1994	2223899

ID	Location	Land Use	Date	Group ID
F	143m NE	Railway Land	1896	2316452
D	143m NE	Railway Sidings	1955	2226848
D	144m NE	Railway Sidings	1938	2252404
D	144m NE	Railway Sidings	1920	2239350
E	145m NE	Unspecified Depot	1973	2317566
E	145m NE	Unspecified Depot	1989	2317566
E	145m NE	Unspecified Depot	1979	2317566
E	154m NE	Railway Building	1955	2197485
D	158m E	Railway Sidings	1967	2255446
D	159m NE	Railway Building	1955	2197486
E	159m NE	Railway Building	1955	2198088
E	160m NE	Railway Building	1955	2198089
D	162m NE	Railway Sidings	1894	2283969
D	164m NE	Railway Sidings	1894	2309280
D	164m E	Railway Sidings	1979	2214356
D	164m E	Railway Sidings	1973	2266325
D	173m NE	Sand and Gravel Pit	1894	2210642
E	175m NE	Railway Sidings	1898	2275712
D	175m E	Sand and Gravel Pit	1898	2255757
E	178m NE	Railway Building	1955	2198087
D	179m E	Sand and Gravel Pit	1896	2212595
D	180m NE	Sand and Gravel Pit	1894	2298203
E	180m NE	Railway Building	1955	2197484
F	181m NE	Railway Sidings	1896	2259852
D	183m E	Sand and Gravel Pit	1894	2224153
F	190m E	Refuse Heap	1938	2304367
F	190m E	Refuse Heap	1920	2304367
E	191m NE	Railway Building	1898	2221354

ID	Location	Land Use	Date	Group ID
E	194m NE	Railway Building	1894	2235265
E	194m NE	Railway Building	1894	2293995
E	196m NE	Railway Building	1948	2214541
E	196m NE	Railway Building	1894	2293995
E	197m NE	Railway Building	1955	2223137
D	203m NE	Railway Sidings	1871	2275712
E	203m NE	Railway Building	1955	2198086
I	204m NE	Railway Sidings	1898	2332071
E	207m N	Railway Building	1955	2197848
D	209m NE	Railway Building	1871	2197480
D	211m NE	Railway Sidings	1873	2241439
D	218m NE	Railway Sidings	1989	2284231
F	219m NE	Railway Sidings	1994	2275712
F	229m E	Railway Building	1938	2292445
F	229m E	Railway Building	1920	2292445
D	231m E	Railway Building	1994	2260232
D	232m E	Railway Building	1989	2214137
D	232m E	Railway Building	1979	2214137
D	240m E	Railway Building	1973	2284552
F	241m E	Railway Building	1938	2302122
F	241m E	Railway Building	1920	2302122
1	242m NE	Railway Sidings	1872	2312624
D	244m NE	Railway Buildings	1898	2292928
D	244m NE	Railway Building	1967	2274094
D	244m NE	Railway Buildings	1894	2231121
D	246m NE	Railway Buildings	1894	2267644
D	247m NE	Railway Building	1979	2239963
D	247m NE	Railway Buildings	1938	2202630

ID	Location	Land Use	Date	Group ID
D	247m NE	Railway Buildings	1920	2202630
D	248m NE	Railway Building	1873	2267245
D	250m NE	Railway Building	1871	2317174
2	250m W	Hospital	1894	2297538
D	251m NE	Railway Buildings	1894	2267644
I	256m NE	Railway Building	1873	2278914
L	257m W	Hospital	1894	2218318
L	259m W	Hospital	1898	2234106
L	261m W	Hospital	1989	2256001
L	261m W	Hospital	1979	2256001
I	262m NE	Railway Building	1871	2330669
L	262m W	Hospital	1894	2267357
L	262m W	Hospital	1896	2310320
I	264m NE	Railway Station	1872	2168018
L	264m W	Hospital	1973	2286872
L	264m W	Hospital	1955	2286872
L	264m W	Hospital	1967	2286872
L	264m W	Hospital	1948	2286872
L	264m W	Hospital	1938	2307344
L	264m W	Hospital	1920	2307344
F	266m E	Railway Building	1871	2323930
F	267m E	Railway Building	1873	2261436
3	267m W	Hospital	1994	2327389
I	272m NE	Railway Sidings	1896	2267826
I	275m NE	Unspecified Pit	1871	2178731
F	275m E	Railway Building	1872	2226896
4	276m NE	Railway Sidings	1898	2270421
F	282m NE	Railway Sidings	1872	2215812

ID	Location	Land Use	Date	Group ID
F	284m E	Engine Sheds	1938	2232494
F	284m E	Engine Sheds	1920	2232494
F	285m E	Railway Buildings	1967	2232281
F	286m E	Engine Sheds	1948	2305972
F	288m E	Railway Buildings	1894	2330782
F	288m E	Railway Building	1955	2197482
F	288m E	Railway Buildings	1898	2245644
F	289m E	Railway Buildings	1894	2293816
F	290m E	Railway Sidings	1896	2231824
F	291m E	Railway Sidings	1898	2235291
F	294m E	Railway Buildings	1894	2330782
I	304m NE	Railway Building	1873	2198083
Q	306m SW	Unspecified Tank	1994	2237020
Q	306m SW	Unspecified Tank	1989	2237020
Q	306m SW	Unspecified Tank	1979	2237020
F	310m E	Railway Building	1967	2227818
I	311m NE	Railway Building	1871	2198081
F	311m E	Railway Building	1973	2227818
F	312m E	Railway Building	1955	2289378
R	317m W	Unspecified Works	1973	2246016
R	317m W	Unspecified Works	1967	2246016
R	317m W	Unspecified Works	1979	2246016
F	320m E	Railway Building	1873	2197481
F	326m SE	Unspecified Commercial/Industrial	1871	2273514
I	328m N	Unspecified Commercial/Industrial	1955	2171746
I	328m N	Railway Sidings	1955	2283887
I	334m N	Railway Land	1896	2316452
I	337m N	Railway Building	1898	2239852

ID	Location	Land Use	Date	Group ID
I	337m N	Railway Building	1894	2312484
I	338m N	Railway Buildings	1894	2223993
U	338m NW	Railway Sidings	1955	2313762
I	340m N	Railway Buildings	1894	2254560
I	342m N	Railway Building	1873	2257713
I	343m N	Railway Buildings	1948	2260835
I	345m N	Railway Buildings	1938	2293598
I	345m N	Railway Buildings	1920	2293598
I	347m N	Railway Building	1871	2275109
V	349m N	Timber Yard	1920	2200902
I	349m N	Railway Building	1898	2250718
I	350m N	Railway Building	1894	2242337
T	353m NW	Unspecified Ground Workings	1994	2165344
F	355m E	Railway Building	1955	2293292
I	357m N	Railway Building	1898	2198085
I	358m N	Railway Buildings	1894	2288206
I	360m N	Gas Works	1894	2245034
I	360m N	Gas Works	1898	2212110
I	361m N	Railway Buildings	1894	2230189
7	362m SW	Telecomm Exchange	1955	2167044
I	366m N	Gas Works	1894	2270557
I	366m N	Railway Sidings	1896	2240770
I	368m N	Railway Buildings	1948	2160846
I	368m N	Gas Works	1894	2245034
U	369m N	Unspecified Heap	1979	2188316
I	371m N	Railway Building	1898	2263994
I	377m N	Gasometers	1894	2256073
I	377m N	Gasometers	1898	2203124

ID	Location	Land Use	Date	Group ID
I	377m N	Railway Building	1967	2294063
I	379m N	Railway Buildings	1894	2230189
I	379m N	Railway Building	1898	2198084
I	380m N	Gasometer	1894	2161727
I	381m N	Gasometers	1894	2256073
F	382m SE	Railway Building	1955	2227889
F	383m SE	Railway Building	1955	2197483
X	384m N	Unspecified Commercial/Industrial	1989	2244127
X	384m N	Unspecified Commercial/Industrial	1979	2244127
I	385m N	Railway Building	1898	2233900
I	385m N	Railway Building	1967	2198090
F	386m SE	Railway Building	1938	2274305
F	386m SE	Railway Building	1920	2274305
F	388m SE	Railway Works	1938	2325377
F	388m SE	Railway Works	1920	2325377
Y	389m NE	Railway Sidings	1898	2240636
I	389m N	Railway Sidings	1872	2235524
F	389m SE	Unspecified Commercial/Industrial	1872	2269859
Z	389m E	Railway Building	1938	2319738
Z	389m E	Railway Building	1920	2319738
I	390m N	Railway Buildings	1967	2238590
I	390m N	Gasometer	1894	2161726
AA	390m NE	Unspecified Ground Workings	1948	2165161
I	391m N	Railway Building	1873	2331735
I	392m NE	Railway Building	1894	2198091
Z	393m E	Railway Building	1979	2267251
F	393m SE	Railway Building	1894	2311759
I	393m N	Railway Building	1872	2235508

ID	Location	Land Use	Date	Group ID
F	393m SE	Railway Works	1948	2328564
Z	394m E	Railway Building	1967	2317198
F	394m SE	Unspecified Commercial/Industrial	1898	2324849
Z	395m E	Railway Building	1973	2317198
I	395m N	Railway Building	1871	2284288
Y	396m NE	Railway Sidings	1896	2280866
AB	398m E	Coal Depot	1967	2328041
F	400m SE	Railway Buildings	1894	2269346
AA	401m NE	Tunnel	1948	2206730
F	402m SE	Railway Building	1955	2254502
AA	403m NE	Tunnel	1967	2327045
AA	404m NE	Tunnel	1938	2247807
AA	404m NE	Tunnel	1920	2247807
AB	404m E	Coal Depot	1938	2253332
AB	404m E	Coal Depot	1920	2253332
AA	404m NE	Tunnel	1955	2327045
Z	405m E	Railway Building	1979	2223922
Z	408m E	Railway Building	1973	2223922
F	412m SE	Railway Sidings	1872	2313564
Z	413m E	Railway Building	1979	2266611
Z	413m E	Railway Building	1989	2266611
V	413m N	Unspecified Works	1989	2277806
F	416m SE	Railway Building	1955	2197458
F	417m E	Railway Station	1872	2220242
F	419m SE	Railway Building	1979	2213296
8	422m N	Pepper Mills	1894	2198262
V	422m N	Unspecified Works	1973	2319099
V	422m N	Unspecified Works	1967	2319099

ID	Location	Land Use	Date	Group ID
V	422m N	Unspecified Works	1979	2254335
F	425m SE	Railway Station	1955	2228393
9	426m E	Railway Building	1967	2197460
F	426m SE	Railway Station	1896	2241387
F	427m SE	Railway Station	1938	2321921
F	427m SE	Railway Station	1920	2321921
F	427m SE	Railway Station	1898	2308618
F	428m SE	Railway Station	1973	2220902
F	428m SE	Railway Station	1967	2220902
F	428m SE	Railway Station	1894	2241387
F	429m E	Railway Building	1872	2197457
F	429m SE	Railway Station	1948	2307541
F	431m SE	Railway Station	1894	2275238
F	438m SE	Railway Station	1894	2240987
AA	438m NE	Railway Building	1994	2279574
AA	438m NE	Railway Building	1989	2279574
AA	438m NE	Railway Building	1979	2279574
F	446m SE	Railway Building	1989	2330113
F	446m SE	Railway Building	1979	2330113
10	448m NW	Unspecified Disused Workings	1979	2198340
F	449m SE	Railway Building	1994	2328746
F	450m SE	Railway Building	1994	2306771
F	451m SE	Railway Station	1871	2233907
F	455m SE	Railway Station	1873	2216847
F	455m E	Railway Station	1871	2214042
F	456m E	Railway Station	1873	2294574
F	456m E	Railway Building	1967	2273517
11	457m N	Railway Sidings	1896	2233121

ID	Location	Land Use	Date	Group ID
F	460m E	Railway Buildings	1898	2303096
F	460m E	Railway Building	1894	2222237
F	463m E	Railway Building	1938	2309277
F	463m E	Railway Building	1920	2309277
X	464m N	Tea, Cocoa and Coffee Factory	1948	2203914
F	465m SE	Railway Station	1872	2307170
F	465m E	Railway Building	1989	2273960
F	465m E	Railway Building	1979	2273960
X	466m N	Tea, Cocoa and Coffee Factory	1938	2272973
X	466m N	Tea, Cocoa and Coffee Factory	1920	2272973
AF	466m S	Tramway Depot	1938	2262983
AF	466m S	Tramway Depot	1920	2262983
F	467m E	Railway Building	1948	2258733
F	469m E	Railway Buildings	1894	2304019
X	469m N	Unspecified Factory	1973	2205845
X	469m N	Unspecified Factory	1967	2205845
F	470m SE	Railway Station	1989	2254375
F	470m SE	Railway Station	1979	2254375
F	473m SE	Railway Building	1989	2327386
F	473m SE	Railway Building	1979	2327386
F	473m SE	Railway Station	1994	2215847
F	477m SE	Railway Building	1873	2275613
12	478m W	Unspecified Works	1871	2274403
F	482m SE	Railway Building	1989	2257407
F	482m SE	Railway Building	1979	2257407
F	487m SE	Railway Building	1994	2242270
AF	494m SE	Garage	1994	2295939
AF	494m SE	Garage	1989	2295939

ID	Location	Land Use	Date	Group ID
AF	494m SE	Garage	1979	2295939
14	496m W	Railway Station	1872	2318265

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**66**

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

Features are displayed on the Past land use - un-grouped map on **page 29 >**

ID	Location	Land Use	Date	Group ID
B	58m SW	Tanks	1984	413380
B	58m SW	Tanks	1982	413380
B	58m SW	Tanks	1992	413380
B	58m SW	Tanks	1991	413380
C	134m SW	Tanks	1984	409950
C	134m SW	Tanks	1982	409950
C	134m SW	Tanks	1992	409950
C	134m SW	Tanks	1991	409950
E	176m NE	Unspecified Tank	1984	405886
E	176m NE	Unspecified Tank	1982	405886
E	176m NE	Unspecified Tank	1992	405886
E	176m NE	Unspecified Tank	1991	405886
E	176m NE	Unspecified Tank	1991	405886
E	177m NE	Unspecified Tank	1971	405886
E	204m NE	Unspecified Tank	1916	420887
E	205m NE	Unspecified Tank	1896	420887
D	241m E	Unspecified Tank	1971	384513
F	262m E	Unspecified Tank	1996	418765

ID	Location	Land Use	Date	Group ID
F	262m E	Unspecified Tank	1996	418765
M	267m W	Unspecified Tank	1984	420904
M	267m W	Unspecified Tank	1991	415721
M	267m W	Unspecified Tank	1991	415721
M	267m W	Unspecified Tank	1994	415721
M	267m W	Unspecified Tank	1992	415721
M	268m W	Unspecified Tank	1984	420904
M	268m W	Unspecified Tank	1991	420904
O	268m SW	Unspecified Tank	1994	423102
O	268m SW	Unspecified Tank	1992	423102
O	269m SW	Unspecified Tank	1984	423102
O	269m SW	Unspecified Tank	1991	423102
O	269m SW	Unspecified Tank	1984	423102
O	269m SW	Unspecified Tank	1991	423102
Q	300m S	Unspecified Tank	1950	425680
Q	300m S	Unspecified Tank	1956	425680
Q	300m S	Unspecified Tank	1956	425680
Q	305m SW	Unspecified Tank	1991	406858
Q	306m SW	Unspecified Tank	1984	415338
Q	306m SW	Unspecified Tank	1982	415338
Q	306m SW	Unspecified Tank	1992	415338
Q	306m SW	Unspecified Tank	1991	415338
Q	309m SW	Unspecified Tank	1982	403394
L	353m W	Tanks	1978	410303
L	353m W	Tanks	1982	410303
L	353m W	Tanks	1971	410303
L	353m W	Tanks	1984	410303
I	371m N	Gas Works	1896	376514

ID	Location	Land Use	Date	Group ID
I	384m N	Gasometers	1896	381363
L	385m W	Unspecified Tank	1978	428647
L	385m W	Unspecified Tank	1982	428647
L	385m W	Unspecified Tank	1982	428647
L	386m W	Unspecified Tank	1962	424279
L	386m W	Unspecified Tank	1984	431609
L	386m W	Unspecified Tank	1950	424279
L	386m W	Unspecified Tank	1971	424279
L	386m W	Unspecified Tank	1950	424279
I	391m N	Gasometers	1896	381362
R	445m SW	Unspecified Tank	1978	410902
R	445m SW	Unspecified Tank	1982	410902
R	445m SW	Unspecified Tank	1982	410902
AG	468m NW	Unspecified Tank	1994	417902
AG	469m NW	Unspecified Tank	1982	417994
AG	470m NW	Unspecified Tank	1982	411766
AG	470m NW	Unspecified Tank	1982	411766
AG	470m NW	Unspecified Tank	1990	411766
X	490m N	Unspecified Tank	1950	406410
X	491m N	Unspecified Tank	1950	406410

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	153

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

Features are displayed on the Past land use - un-grouped map on **page 29 >**

ID	Location	Land Use	Date	Group ID
A	47m NE	Electricity Substation	1984	292046
A	47m NE	Electricity Substation	1982	292046
A	47m NE	Electricity Substation	1992	292046
A	47m NE	Electricity Substation	1991	292046
A	48m NE	Electricity Substation	1971	292046
A	50m NE	Electricity Substation	1991	281263
B	85m SW	Electricity Substation	1971	268219
B	107m W	Electricity Substation	1991	308126
B	107m W	Electricity Substation	1984	281528
B	107m W	Electricity Substation	1982	281528
B	107m W	Electricity Substation	1992	281528
B	107m W	Electricity Substation	1991	281528
G	178m SW	Electricity Substation	1971	301268
G	178m SW	Electricity Substation	1984	294329
G	178m SW	Electricity Substation	1982	294329
G	178m SW	Electricity Substation	1992	294329
G	178m SW	Electricity Substation	1991	294329
G	191m SW	Electricity Substation	1991	302146
J	244m SE	Electricity Substation	1971	322486
K	255m N	Electricity Substation	1994	269636
M	264m W	Electricity Substation	1984	296713
M	264m W	Electricity Substation	1971	296713
M	265m W	Electricity Substation	1994	296713
M	265m W	Electricity Substation	1992	296713
M	265m W	Electricity Substation	1991	296713
M	265m W	Electricity Substation	1991	296713
M	265m W	Electricity Substation	1978	296713
M	265m W	Electricity Substation	1982	296713

ID	Location	Land Use	Date	Group ID
M	265m W	Electricity Substation	1982	296713
M	265m W	Electricity Substation	1984	296713
M	265m W	Electricity Substation	1991	296713
N	267m NW	Electricity Substation	1984	296634
N	267m NW	Electricity Substation	1971	296634
K	267m N	Electricity Substation	1992	320417
N	267m NW	Electricity Substation	1994	296634
N	267m NW	Electricity Substation	1992	296634
N	267m NW	Electricity Substation	1991	296634
N	267m NW	Electricity Substation	1991	296634
N	267m NW	Electricity Substation	1978	296634
N	267m NW	Electricity Substation	1982	296634
N	267m NW	Electricity Substation	1982	296634
N	267m NW	Electricity Substation	1984	296634
N	267m NW	Electricity Substation	1991	296634
J	270m SE	Electricity Substation	1991	321179
K	270m N	Electricity Substation	1986	320417
K	270m N	Electricity Substation	1971	320417
J	270m SE	Electricity Substation	1984	287987
J	270m SE	Electricity Substation	1982	284357
J	270m SE	Electricity Substation	1992	278296
J	270m SE	Electricity Substation	1991	302900
K	270m N	Electricity Substation	1982	320417
K	270m N	Electricity Substation	1991	320417
K	270m N	Electricity Substation	1992	320417
K	270m N	Electricity Substation	1991	320417
5	277m N	Electricity Substation	1996	266716
O	285m SW	Electricity Substation	1991	289685

ID	Location	Land Use	Date	Group ID
O	285m SW	Electricity Substation	1971	286709
O	290m SW	Electricity Substation	1984	303321
O	290m SW	Electricity Substation	1982	303321
O	290m SW	Electricity Substation	1992	303321
O	290m SW	Electricity Substation	1991	303321
6	323m N	Electricity Substation	1996	266715
S	328m SW	Electricity Substation	1991	303660
S	328m SW	Electricity Substation	1950	282229
S	329m SW	Electricity Substation	1984	303660
S	329m SW	Electricity Substation	1982	303660
S	329m SW	Electricity Substation	1992	303660
S	329m SW	Electricity Substation	1991	303660
S	329m SW	Electricity Substation	1971	282229
S	336m SW	Electricity Substation	1982	311875
S	336m SW	Electricity Substation	1950	316717
S	336m SW	Electricity Substation	1956	316717
S	336m SW	Electricity Substation	1956	316717
S	336m SW	Electricity Substation	1991	303660
S	336m SW	Electricity Substation	1991	303660
S	336m SW	Electricity Substation	1991	303660
S	337m SW	Electricity Substation	1950	308236
T	337m NW	Electricity Substation	1986	286834
T	337m NW	Electricity Substation	1971	286834
T	340m NW	Electricity Substation	1980	286834
T	340m NW	Electricity Substation	1982	286834
T	340m NW	Electricity Substation	1982	286834
T	340m NW	Electricity Substation	1990	318870
T	340m NW	Electricity Substation	1991	318870

ID	Location	Land Use	Date	Group ID
T	340m NW	Electricity Substation	1982	286834
T	340m NW	Electricity Substation	1971	286834
T	348m NW	Electricity Substation	1994	309086
T	352m NW	Electricity Substation	1994	318870
T	352m NW	Electricity Substation	1996	292637
T	352m NW	Electricity Substation	1992	318870
T	353m NW	Electricity Substation	1982	286834
T	353m NW	Electricity Substation	1991	318870
T	353m NW	Electricity Substation	1992	318870
T	353m NW	Electricity Substation	1991	318870
I	371m N	Gas Works	1896	275357
W	374m S	Electricity Substation	1982	291056
W	374m S	Electricity Substation	1991	302260
W	374m S	Electricity Substation	1991	302260
W	374m S	Electricity Substation	1991	302260
I	384m N	Gasometers	1896	275487
I	391m N	Gasometers	1896	275488
AC	399m NE	Electricity Substation	1995	290623
AC	399m NE	Electricity Substation	1992	290623
Z	417m E	Electricity Substation	1989	284240
Z	417m E	Electricity Substation	1991	284240
Z	417m E	Electricity Substation	1991	284240
AD	420m NE	Electricity Substation	1969	309310
AD	420m NE	Electricity Substation	1971	309310
Z	423m E	Electricity Substation	1996	322544
Z	423m E	Electricity Substation	1996	322544
Z	423m E	Electricity Substation	1992	322544
Z	423m E	Electricity Substation	1991	322544

ID	Location	Land Use	Date	Group ID
Z	423m E	Electricity Substation	1992	322544
AD	427m NE	Electricity Substation	1984	290837
AD	427m NE	Electricity Substation	1989	290837
AD	427m NE	Electricity Substation	1991	290837
AD	427m NE	Electricity Substation	1991	290837
AD	427m NE	Electricity Substation	1996	290837
AD	427m NE	Electricity Substation	1996	290837
AD	427m NE	Electricity Substation	1992	290837
AD	427m NE	Electricity Substation	1991	290837
AD	427m NE	Electricity Substation	1992	290837
AD	428m NE	Electricity Substation	1983	290837
I	442m N	Electricity Substation	1994	297879
I	442m N	Electricity Substation	1996	297879
I	442m N	Electricity Substation	1992	297879
F	446m SE	Electricity Substation	1996	266721
F	452m SE	Electricity Substation	1965	278712
F	452m SE	Electricity Substation	1950	278712
F	452m SE	Electricity Substation	1965	278712
F	452m SE	Electricity Substation	1950	278712
Y	458m NE	Electricity Substation	1969	283218
Y	458m NE	Electricity Substation	1950	283218
Y	458m NE	Electricity Substation	1971	283218
Y	458m NE	Electricity Substation	1950	283218
X	490m N	Electricity Substation	1994	296826
X	490m N	Electricity Substation	1996	280850
X	490m N	Electricity Substation	1992	312444
X	490m N	Electricity Substation	1991	315147
X	490m N	Electricity Substation	1992	297188

ID	Location	Land Use	Date	Group ID
X	490m N	Electricity Substation	1991	292929
X	493m N	Electricity Substation	1950	293295
X	493m N	Electricity Substation	1986	289459
13	496m S	Electricity Substation	1991	272346
AG	498m NW	Electricity Substation	1994	282930
F	498m SE	Electricity Substation	1950	321806
AG	498m NW	Electricity Substation	1982	288655
AG	498m NW	Electricity Substation	1971	288655
AG	499m NW	Electricity Substation	1980	288655
AG	499m NW	Electricity Substation	1982	288655
AG	499m NW	Electricity Substation	1982	288655
AG	499m NW	Electricity Substation	1990	288655
AG	499m NW	Electricity Substation	1991	288655

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m	58

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

Features are displayed on the Past land use - un-grouped map on **page 29 >**

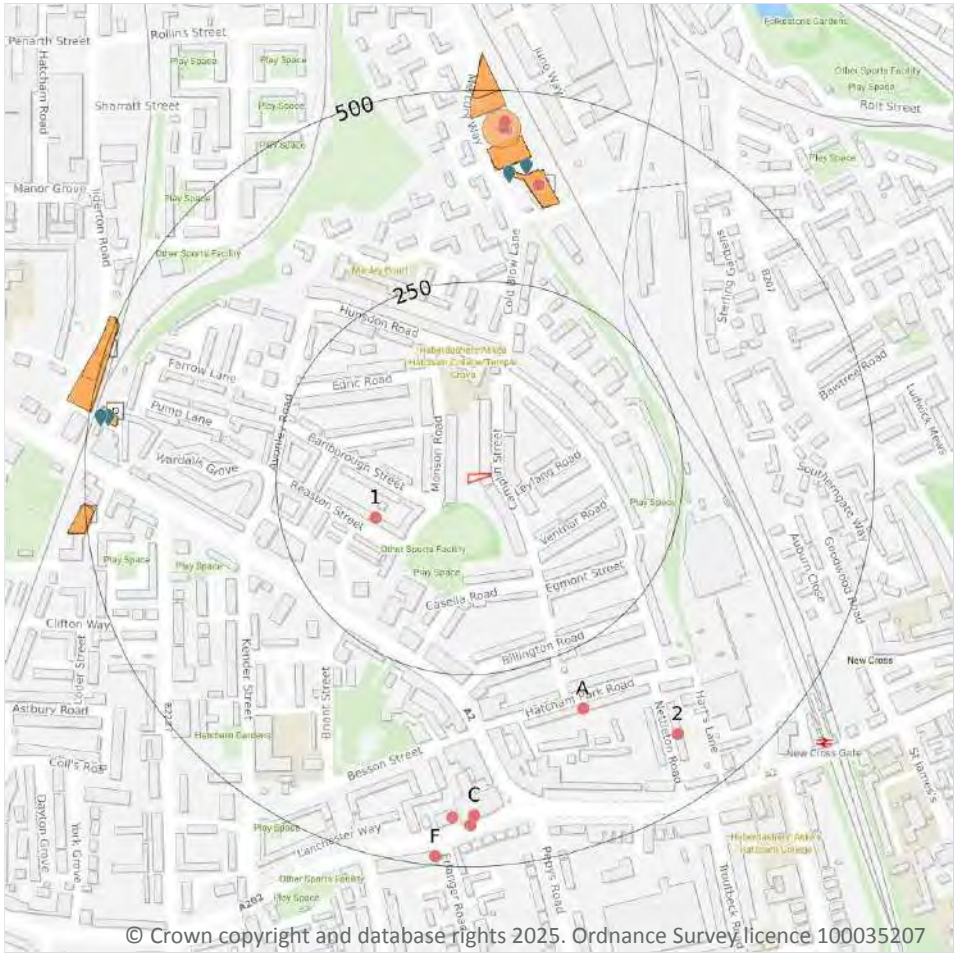
ID	Location	Land Use	Date	Group ID
H	201m NW	Garage	1984	94359
H	201m NW	Garage	1982	94359
H	201m NW	Garage	1992	94359
H	201m NW	Garage	1991	94359
H	201m NW	Garage	1991	93222
H	201m NW	Garage	1971	92292
O	268m SW	Garage	1962	81825
F	270m E	Carriage Shed	1873	82078
P	289m S	Garage	1982	85398
P	293m S	Garage	1971	94959
P	293m S	Garage	1956	94959
P	293m S	Garage	1956	94959
P	294m S	Garage	1991	86284
P	294m S	Garage	1991	86284
P	294m S	Garage	1991	86284
F	392m SE	Repair Shed	1950	86422
F	392m SE	Repair Shed	1971	91072
F	392m SE	Repair Shed	1984	87790
F	392m SE	Repair Shed	1989	89568
F	392m SE	Repair Shed	1991	89568
F	392m SE	Repair Shed	1991	89568
F	392m SE	Repair Shed	1980	87790
F	392m SE	Repair Shed	1980	87790
F	392m SE	Repair Shed	1983	87790
F	392m SE	Repair Shed	1969	87790
F	392m SE	Repair Shed	1950	86422
F	392m SE	Repair Shed	1991	85096
F	392m SE	Repair Shed	1992	85096

ID	Location	Land Use	Date	Group ID
F	399m SE	Repair Shed	1971	87790
F	399m SE	Repair Shed	1965	84900
F	399m SE	Repair Shed	1950	84900
F	399m SE	Repair Shed	1965	87790
F	399m SE	Repair Shed	1950	84900
F	399m SE	Repair Shed	1991	88537
F	399m SE	Repair Shed	1991	88537
F	399m SE	Repair Shed	1980	88537
F	399m SE	Repair Shed	1985	88537
F	399m SE	Repair Shed	1991	87577
F	399m SE	Repair Shed	1992	87577
AE	425m W	Garage	1982	87883
AE	425m W	Garage	1982	87883
AE	425m W	Garage	1978	87883
AE	426m W	Garage	1971	82568
AE	429m W	Garage	1962	82568
F	448m SE	Repair Shed	1950	87097
F	451m SE	Repair Shed	1950	83239
F	481m SE	Garage	1994	85401
F	482m SE	Garage	1991	86355
F	482m SE	Garage	1992	86355
F	483m SE	Garage	1991	95859
F	483m SE	Garage	1991	95859
F	483m SE	Garage	1980	95859
F	483m SE	Garage	1985	95859
AF	495m SE	London Transport Garage	1971	83451
AF	495m SE	London Transport Garage	1956	83451
AF	495m SE	London Transport Garage	1956	83451

ID	Location	Land Use	Date	Group ID
AF	496m SE	London Transport Garage	1982	90629
AF	496m SE	Transport Garage	1991	82353

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



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3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 51 >**

ID	Location	Details		
G	494m W	Site Address: Idlerton Road, London SE15 Licence Holder Address: -	Waste Licence: - Site Reference: GBA001 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

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

3.5 Historical waste sites

Records within 500m	40

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 51 >**

ID	Location	Address	Further Details	Date
B	353m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982

ID	Location	Address	Further Details	Date
B	353m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
B	354m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
B	354m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
B	354m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
B	354m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	354m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
B	354m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	395m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
B	396m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986

ID	Location	Address	Further Details	Date
B	397m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	397m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
B	397m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	397m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
B	397m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
B	397m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
B	425m N	Site Address: 3 Mercury Way, Deptford, LONDON, Central London, SE14 5RR	Type of Site: Waste Transfer Building Planning application reference: DC/03/55652 Description: Scheme comprises construction of a open fronted recycle hall building to cover existing operation. Construction - concrete, metal cladding walls; metal cladding, mono pitched roof; steel frame. An application (ref: DC/03/55652) for Detailed Planning peis sion was submitted to Lewisham L.B. on 1st December 2003. Data source: Historic Planning Application Data Type: Point	-
D	462m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984

ID	Location	Address	Further Details	Date
D	462m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	462m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
D	463m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
D	463m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
B	464m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986
E	486m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
E	488m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
E	488m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
E	489m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994

ID	Location	Address	Further Details	Date
E	489m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
B	490m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1996
B	490m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1994
B	490m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
B	490m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
B	490m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992
B	490m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
G	492m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984
G	493m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1984

ID	Location	Address	Further Details	Date
G	493m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
G	493m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
G	493m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1982
G	494m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1992

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

3.6 Licensed waste sites

Records within 500m	**7**

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 51 >**

ID	Location	Details		
B	391m N	Site Name: R Welling & Sons Site Address: Viastow Ltd T/A R Welling & Sons, Site 5, Mercury Way, New Cross, London, SE14 5RR Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WEL001 EPR reference: EA/EPR/XP3190ER/S003 Operator: Viastow Ltd Waste Management licence No: 83264 Annual Tonnage: 0	Issue Date: 20/06/1994 Effective Date: - Modified: 25/03/1997 Surrendered Date: Nov 6 2012 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

ID	Location	Details		
B	391m N	Site Name: Viastow Ltd, Mercury Way, SE14 Site Address: Viastow Ltd T/A R Welling & Sons, Site 5, Mercury Way, London, SE14 Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WEL001 EPR reference: - Operator: Viastow Ltd T/A R Welling & Sons Waste Management licence No: 83264 Annual Tonnage: 28886	Issue Date: 20/06/1994 Effective Date: - Modified: 25/03/1997 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	391m N	Site Name: R Welling & Sons Site Address: Mercury Way, Mercury Way, New Cross, London, SE14 5RR Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649020 EPR reference: EA/EPR/XP3190ER Operator: Viastow Limited Waste Management licence No: 83264 Annual Tonnage: 0	Issue Date: 20/06/1994 Effective Date: 20/06/1994 Modified: - Surrendered Date: 20/06/1994 Expiry Date: - Cancelled Date: - Status: Surrendered
B	403m N	Site Name: C & G Demolition & Site Clearance Ltd, Mercury Way, Se14 Site Address: 7 C & G Demolition & Site Clearance Ltd, Mercury Way, New Cross, London, SE14 5RR Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 655649 EPR reference: EA/EPR/XP3090EW Operator: C & G Demolition & Site Clearance Limited Waste Management licence No: 83257 Annual Tonnage: 42900	Issue Date: 07/04/1992 Effective Date: 07/04/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	475m W	Site Name: Old Kent Road Dismantlers, Wagner St, Se15 Site Address: 41-43 Old Kent Road Dismantlers, Wagner Street, London, SE15 1NN Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 636395 EPR reference: EA/EPR/XP3690EU Operator: J R Mitchell Waste Management licence No: 83263 Annual Tonnage: 1066	Issue Date: 01/09/1993 Effective Date: 01/09/1993 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Part revoke

ID	Location	Details		
D	485m W	Site Name: Old Kent Motors, Wagner St, SE15 Site Address: - Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOT001 EPR reference: - Operator: Mr J R Mitchell T/A Old Kent Road Motors Waste Management licence No: 83263 Annual Tonnage: 1066	Issue Date: 01/09/1993 Effective Date: - Modified: 25/03/1997 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	485m W	Site Name: Old Kent Road Dismantlers, Wagner St, Se15 Site Address: Mr J R Mitchell T/A Old Kent Road Motors, Old Kent Road Dismantlers, 41-43, Wagner Street, London, SE15 1NN Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOT001 EPR reference: XP3690EU/V002 Operator: Mr J R Mitchell Waste Management licence No: 83263 Annual Tonnage: 1066	Issue Date: 01/09/1993 Effective Date: - Modified: 25/03/1997 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified

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

3.7 Waste exemptions

Records within 500m **23**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 51 >**

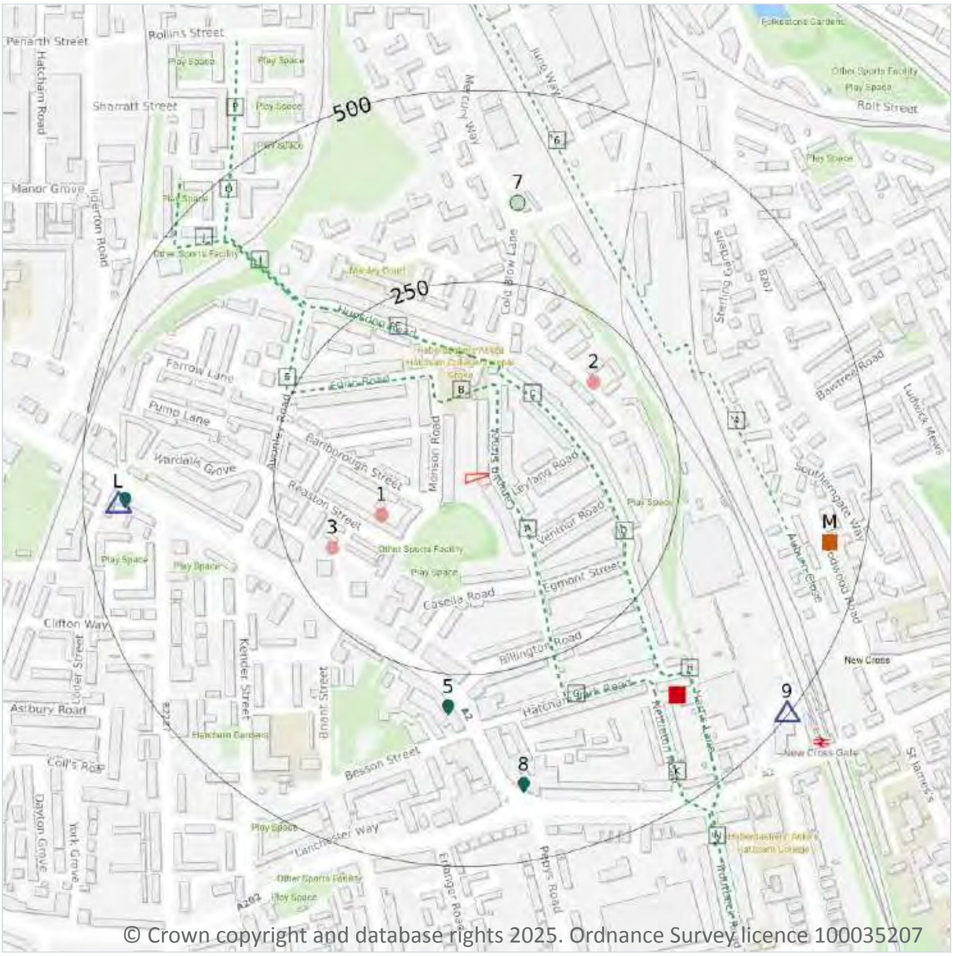
ID	Location	Site	Reference	Category	Sub-Category	Description
1	129m W	100 Reaston Street London Se14 5aw	EPR/AH0118RJ/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction
A	326m SE	-	WEX416663	Disposing of waste exemption	Not on a farm	Disposal by incineration

ID	Location	Site	Reference	Category	Sub-Category	Description
A	326m SE	-	WEX416663	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	326m SE	16-18-20, Hatcham Park Road, London, Se14 5qd	WEX126990	Disposing of waste exemption	Not on a farm	Burning waste in the open
B	380m N	-	WEX315347	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	380m N	-	WEX185969	Storing waste exemption	Not on a farm	Storage of waste in a secure place
2	416m SE	24, Nettleton Road, London, Se14 5uj	WEX127021	Disposing of waste exemption	Not on a farm	Burning waste in the open
C	433m S	389, Queens Road, London, Se14 5hd	WEX389357	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	433m S	389, Queens Road, London, Se14 5hd	WEX122986	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	433m S	389, Queens Road, London, Se14 5hd	WEX282526	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	437m S	Queens Road Pharmacy, 389 Queens Road, New Cross Gate, London, Se14 5hd	WEX116431	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	446m S	389 Queens Road London Se14 5hd	EPR/EF0404LZ/A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
B	449m N	3, Mercury Way, London, Se14 5rr	WEX315346	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	449m N	-	WEX265019	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	449m N	3, Mercury Way, London, Se14 5rr	WEX124893	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	449m N	3, Mercury Way, London, Se14 5rr	WEX185988	Storing waste exemption	Not on a farm	Storage of waste in a secure place

ID	Location	Site	Reference	Category	Sub-Category	Description
B	450m N	-	WEX415967	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	451m N	Economic Skips Limited Mercury Way Se14 5rr	EPR/PE5941FU/A001	Treating waste exemption	Non-agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	459m N	-	WEX389348	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	489m S	-	WEX380646	Disposing of waste exemption	Not on a farm	Disposal by incineration
F	489m S	-	WEX380646	Disposing of waste exemption	Not on a farm	Burning waste in the open
F	489m S	270, Queens Road, New Cross, Se14 5jn	WEX127035	Disposing of waste exemption	Not on a farm	Burning waste in the open
F	489m S	272, Queens Road, New Cross, Se14 5jn	WEX127038	Disposing of waste exemption	Not on a farm	Burning waste in the open

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

4 Current industrial land use



Site Outline

Search buffers in metres (m)

- Recent industrial land uses
- Current or recent petrol stations
- Electricity cables
- Licensed pollutant release (Part A(2)/B)
- Pollutant release to public sewer
- List 1 Dangerous Substances
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	3

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on page 62 >

ID	Location	Company	Address	Activity	Category
1	117m W	Electricity Sub Station	Greater London, SE14	Electrical Features	Infrastructure and Facilities
2	182m NE	Tank	Greater London, SE14	Tanks (Generic)	Industrial Features
3	193m SW	Electricity Sub Station	Greater London, SE14	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 62 >**

ID	Location	Company	Address	LPG	Status
L	455m W	SHELL	2, New Cross Road, New Cross, London, Inner London, SE14 5BE	No	Open
9	496m SE	SAINSBURYS	263, New Cross Road, New Cross, London, Inner London, SE14 5UL	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	44

High voltage underground electricity transmission cables.

Features are displayed on the Current industrial land use map on **page 62 >**

ID	Location	Cable Set	Cable Route	Details	
A	12m E	CABLE SECT 172	HURST - NEW CROSS 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
A	12m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
A	12m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
B	31m NE	CABLE SECT 173	HURST - NEW CROSS 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
B	31m NE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified

ID	Location	Cable Set	Cable Route	Details	
B	31m NE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
C	112m NE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
C	112m NE	CABLE SECT 173	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
C	113m NE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	129m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
D	130m E	CABLE SECT 172	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
D	130m E	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
E	153m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
E	154m N	CABLE SECT 174	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
E	154m N	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	164m NW	CABLE SECT 174	HURST - NEW CROSS 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
F	164m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
F	164m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified

ID	Location	Cable Set	Cable Route	Details	
G	206m SE	CABLE SECT 171	HURST - NEW CROSS 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? Not specified
G	206m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
G	206m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
H	276m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
H	277m SE	CABLE SECT 171	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
H	277m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
4	284m NE	BR1702 66KV CABLE	NEW CROSS 66KV S/S	Cable Make: PIRELLI 66KV O Cable Type: A/C Operating Voltage (kV): 66	Year of installation: 1986 Cable in tunnel? Not specified
I	284m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
I	285m NW	CABLE SECT 175	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
I	285m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
6	307m NE	BR1702 66KV CABLE	NEW CROSS 66KV S/S	Cable Make: PIRELLI 66KV O Cable Type: A/C Operating Voltage (kV): 66	Year of installation: 1986 Cable in tunnel? Not specified
J	335m NW	CABLE SECT 175	HURST - NEW CROSS 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
J	335m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified

ID	Location	Cable Set	Cable Route	Details	
J	335m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
K	358m SE	CABLE SECT 170	HURST - NEW CROSS 2	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
K	358m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
K	358m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
N	468m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
N	468m SE	CABLE SECT 170	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
O	468m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
N	468m SE	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
O	469m NW	CABLE SECT 176A	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
O	469m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
P	488m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified
P	488m NW	CABLE SECT 176B	HURST - NEW CROSS 1	Cable Make: BICC 275KV OIL Cable Type: A/C Operating Voltage (kV): 275	Year of installation: 1967 Cable in tunnel? No
P	489m NW	-	-	Cable Make: - Cable Type: PILOT Operating Voltage (kV): -	Year of installation: Not specified Cable in tunnel? Not specified

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	3

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

Features are displayed on the Current industrial land use map on **page 62 >**

ID	Location	Address	Details	
5	293m S	Whistle and Flute, 144 New Cross Road, London, SE14 5BA	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
8	401m S	Speedway Dry Cleaners, 191 New Cross Road, London, SE14 5DG	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
L	446m W	Southwark Service Station (BP), 2-4 New Cross Road, SE14 5BE	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	0

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

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

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

4.15 Pollutant release to public sewer

Records within 500m	2

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 62 >**

ID	Location	Address	Details	
M	454m E	PRINTZ LONDON WASH LTD, BLUNDELL HOUSE, GOODWARD ROAD, LONDON, LONDON, SE14 6BL	Permission reference: AO8319 Local Authority: LONDON BOROUGH OF LEWISHAM First received date: 01/06/2001	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
M	454m E	SUPER LONDON WASH LTD, BLUNDELL HOUSE, GOODWARD ROAD, NEW CROSS, LONDON, LONDON, SE14 6BL	Permission reference: AL0303 Local Authority: LONDON BOROUGH OF LEWISHAM First received date: 01/06/2001	Last received date: 01/01/2018 Status: DEAD (APPLICATION)

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

4.16 List 1 Dangerous Substances

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 62 >**

ID	Location	Name	Status	Receiving Water	Authorised Substances
H	377m SE	Pearce Signs New Cross Road	Not Active	-	-
H	377m SE	Pearce Signs New Cross Road	Not Active	-	-

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	1

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

Features are displayed on the Current industrial land use map on **page 62 >**

ID	Location	Details	
7	356m N	Incident Date: 11/11/2003 Incident Identification: 201058 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

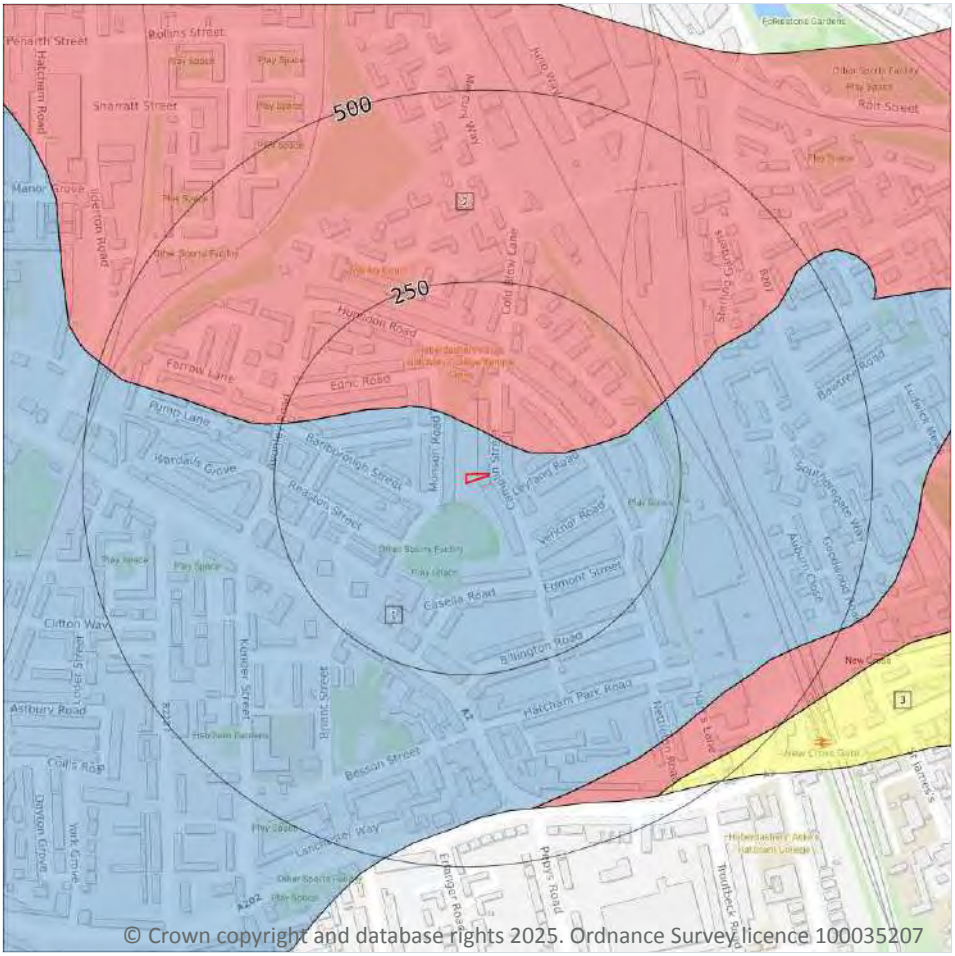
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

5.1 Superficial aquifer

Records within 500m	3

Aquifer status of groundwater held within superficial geology.

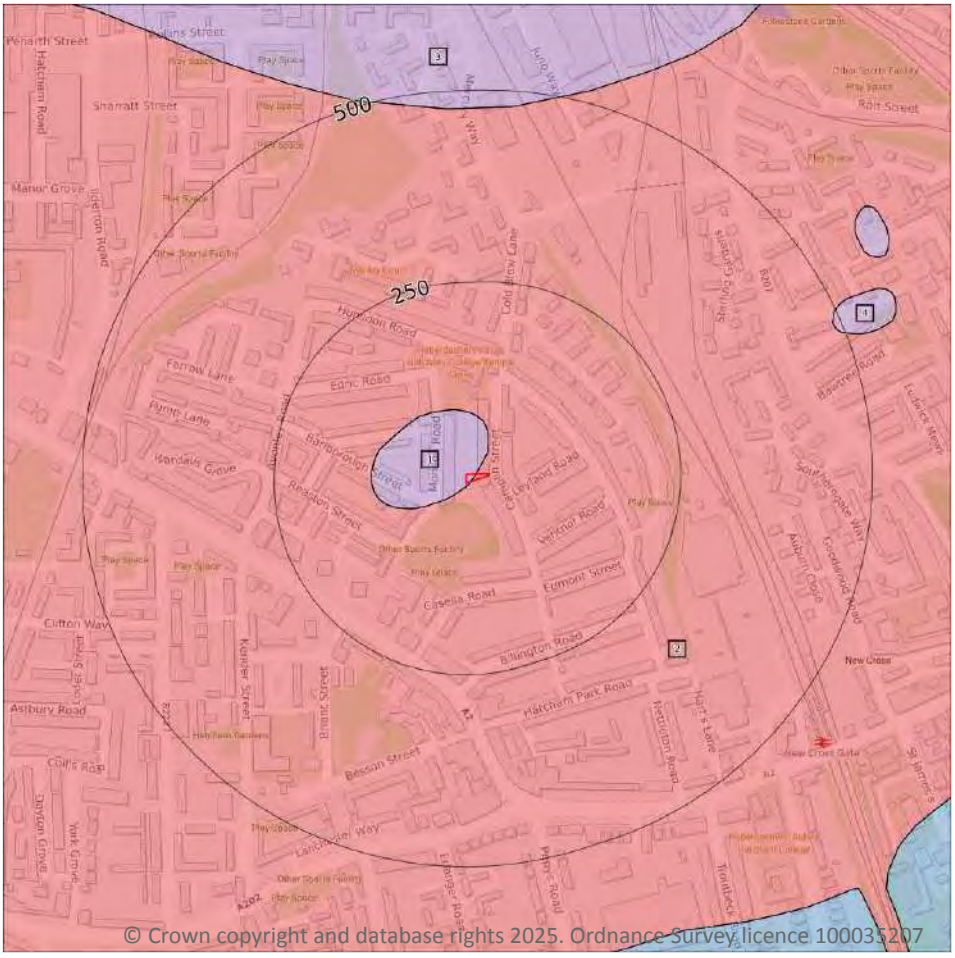
Features are displayed on the Hydrogeology map on **page 72 >**

ID	Location	Designation	Description
1	**On site**	**Unproductive**	**These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow**
2	45m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	467m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	4

Aquifer status of groundwater held within bedrock geology.

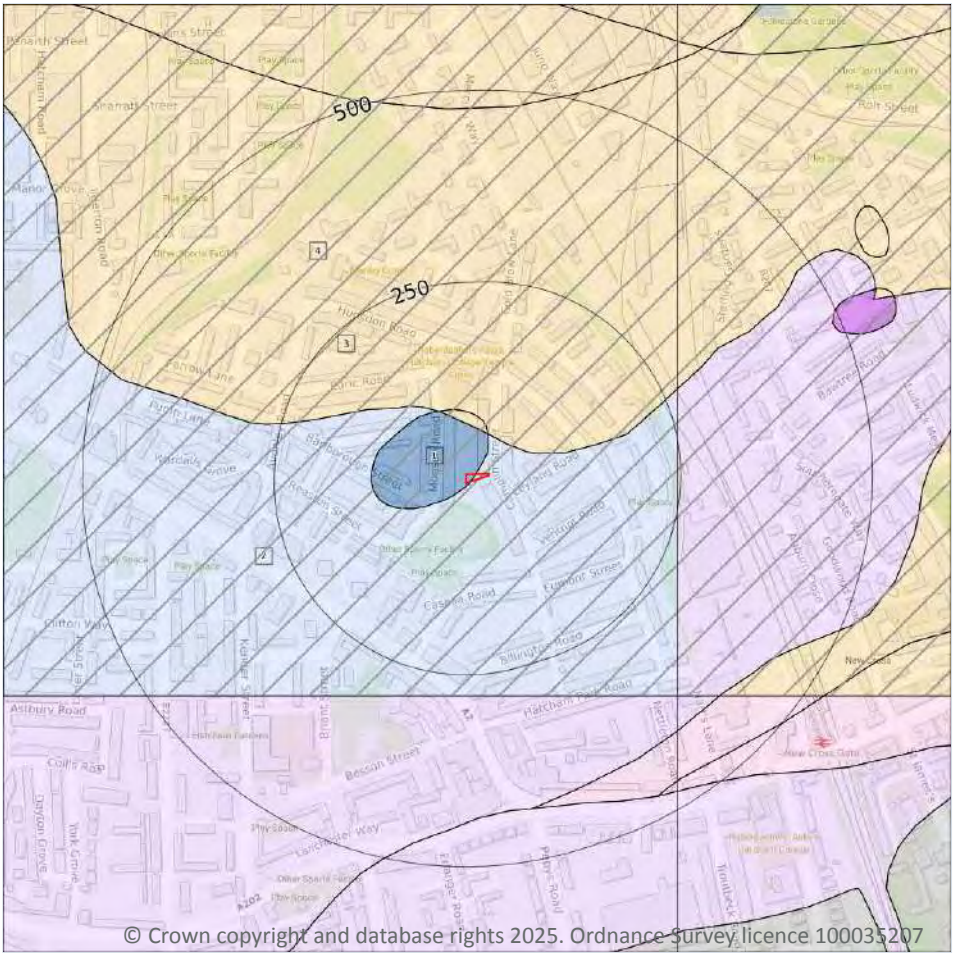
Features are displayed on the Bedrock aquifer map on **page 74 >**

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	477m N	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
4	490m NE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	3

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

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

Features are displayed on the Groundwater vulnerability map on **page 76 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Principal bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Principal Flow mechanism: Well connected fractures**
2	**On site**	**Summary Classification: Secondary bedrock aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Unproductive Superficial Aquifer**	**Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year**	**Vulnerability: Unproductive Aquifer type: Unproductive Thickness: 3-10m Patchiness value: >90% Recharge potential: Low**	**Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures**
4	45m NE	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**1**

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
3	**Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.**	**17.0%**

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

5.5 Groundwater vulnerability- local information

Records on site	**0**

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

email on enquiries@environment-agency.gov.uk ↗.

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

Abstractions and Source Protection Zones



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- Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	38

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 79 >**

ID	Location	Details	
1	309m NW	Status: Historical Licence No: 28/39/42/0043 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: DEPTFORD, LONDON, - BOREHOLE 'F' Data Type: Point Name: NATIONAL GRID CO PLC Easting: 535500 Northing: 177500	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/08/1979 Expiry Date: - Issue No: 100 Version Start Date: 01/08/1979 Version End Date: -
2	380m NW	Status: Historical Licence No: 28/39/42/0043 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: DEPTFORD, LONDON - BOREHOLE 'F' Data Type: Point Name: NATIONAL GRID CO PLC Easting: 535470 Northing: 177570	Annual Volume (m^3): 598980 Max Daily Volume (m^3): 1636.56 Original Application No: - Original Start Date: 01/08/1979 Expiry Date: - Issue No: 101 Version Start Date: 21/10/2002 Version End Date: -
-	1086m NW	Status: Historical Licence No: TH/039/0042/069 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: SHAFTS & ADITS AT NEW CROSS SHAFTS Data Type: Poly4 Name: Hochtief-Murphy Joint Venture Easting: 534820 Northing: 177904	Annual Volume (m^3): 313632 Max Daily Volume (m^3): 1296 Original Application No: NPS/WR/033893 Original Start Date: 23/02/2021 Expiry Date: 30/06/2023 Issue No: 1 Version Start Date: 23/02/2021 Version End Date: -
-	1086m NW	Status: Historical Licence No: TH/039/0042/069/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: SHAFTS & ADITS AT NEW CROSS SHAFTS Data Type: Poly4 Name: Hochtief-Murphy Joint Venture Easting: 534820 Northing: 177904	Annual Volume (m^3): 313632 Max Daily Volume (m^3): 1296 Original Application No: NPS/WR/039020 Original Start Date: 01/07/2023 Expiry Date: 31/03/2024 Issue No: 1 Version Start Date: 01/07/2023 Version End Date: -
-	1525m N	Status: Historical Licence No: TH/039/0042/060 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREENWICH TERTIARIES AND CHALK AT EARL PUMPING STATION Data Type: Poly4 Name: COSTAIN LIMITED Easting: 536143 Northing: 178768	Annual Volume (m^3): 94608 Max Daily Volume (m^3): 260 Original Application No: - Original Start Date: 07/08/2019 Expiry Date: 31/05/2021 Issue No: 1 Version Start Date: 07/08/2019 Version End Date: -

ID	Location	Details	
-	1525m N	Status: Historical Licence No: TH/039/0042/060/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREENWICH TERTIARIES AND CHALK AT EARL PUMPING STATION Data Type: Poly4 Name: COSTAIN LIMITED Easting: 536143 Northing: 178768	Annual Volume (m^3): 94608 Max Daily Volume (m^3): 260 Original Application No: NPS/WR/034324 Original Start Date: 01/06/2021 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 01/06/2021 Version End Date: -
-	1532m N	Status: Historical Licence No: TH/039/0042/060/R02 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: RIVER TERRACE DEPOSITS AT EARL PUMPING STATION Data Type: Poly4 Name: COSTAIN LIMITED Easting: 536127 Northing: 178811	Annual Volume (m^3): 21900 Max Daily Volume (m^3): 60 Original Application No: NPS/WR/036685 Original Start Date: 05/07/2023 Expiry Date: 31/07/2024 Issue No: 1 Version Start Date: 05/07/2023 Version End Date: -
-	1532m N	Status: Historical Licence No: TH/039/0042/060/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: RIVER TERRACE DEPOSITS AT EARL PUMPING STATION Data Type: Poly4 Name: COSTAIN LIMITED Easting: 536127 Northing: 178811	Annual Volume (m^3): 21900 Max Daily Volume (m^3): 60 Original Application No: NPS/WR/036755 Original Start Date: 01/06/2021 Expiry Date: 31/03/2023 Issue No: 2 Version Start Date: 13/07/2022 Version End Date: -
-	1532m N	Status: Historical Licence No: TH/039/0042/060/R01L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: RIVER TERRACE DEPOSITS AT EARL PUMPING STATION Data Type: Poly4 Name: COSTAIN LIMITED Easting: 536127 Northing: 178811	Annual Volume (m^3): 21900 Max Daily Volume (m^3): 60 Original Application No: NPS/WR/036755 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -

ID	Location	Details	
-	1572m E	Status: Historical Licence No: TH/039/0042/057 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: BOREHOLE LOCATION AREA Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537323 Northing: 177416	Annual Volume (m^3): 409680 Max Daily Volume (m^3): 1124 Original Application No: - Original Start Date: 19/12/2018 Expiry Date: 31/03/2020 Issue No: 2 Version Start Date: 20/08/2019 Version End Date: -
-	1572m E	Status: Historical Licence No: TH/039/0042/057/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: BOREHOLE LOCATION AREA Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537323 Northing: 177416	Annual Volume (m^3): 409680 Max Daily Volume (m^3): 1124 Original Application No: NPS/WR/032191 Original Start Date: 01/04/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 01/04/2020 Version End Date: -
-	1572m E	Status: Historical Licence No: TH/039/0042/057/R01L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: BOREHOLE LOCATION AREA Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537323 Northing: 177416	Annual Volume (m^3): 409680 Max Daily Volume (m^3): 1124 Original Application No: NPS/WR/032191 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -
-	1577m E	Status: Historical Licence No: TH/039/0042/057 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: BH7405 AT DEPTFORD Data Type: Point Name: COSTAIN LIMITED Easting: 537328 Northing: 177403	Annual Volume (m^3): 271300 Max Daily Volume (m^3): 740 Original Application No: - Original Start Date: 19/12/2018 Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 19/12/2018 Version End Date: -
-	1587m E	Status: Historical Licence No: TH/039/0042/057 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: BH7406 AT DEPTFORD CS Data Type: Point Name: COSTAIN LIMITED Easting: 537337 Northing: 177412	Annual Volume (m^3): 271300 Max Daily Volume (m^3): 740 Original Application No: - Original Start Date: 19/12/2018 Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 19/12/2018 Version End Date: -

ID	Location	Details	
-	1588m E	Status: Historical Licence No: TH/039/0042/057 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: DW01 - DW10 AT DEPTFORD Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537338 Northing: 177431	Annual Volume (m^3): 409680 Max Daily Volume (m^3): 1124 Original Application No: - Original Start Date: 19/12/2018 Expiry Date: 31/03/2020 Issue No: 2 Version Start Date: 20/08/2019 Version End Date: -
-	1588m E	Status: Historical Licence No: TH/039/0042/057/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: DW01 - DW10 AT DEPTFORD Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537338 Northing: 177431	Annual Volume (m^3): 409680 Max Daily Volume (m^3): 1124 Original Application No: NPS/WR/032191 Original Start Date: 01/04/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 01/04/2020 Version End Date: -
-	1588m E	Status: Historical Licence No: TH/039/0042/057/R01L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: DW01 - DW10 AT DEPTFORD Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537338 Northing: 177431	Annual Volume (m^3): 409680 Max Daily Volume (m^3): 1124 Original Application No: NPS/WR/032191 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -
-	1743m SW	Status: Active Licence No: TH/039/0042/073 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: CONSORT ESTATE SOUTHWARK LONDON Data Type: Point Name: London Borough of Southwark Easting: 534566 Northing: 175976	Annual Volume (m^3): 450000 Max Daily Volume (m^3): 1330 Original Application No: NPS/WR/036934 Original Start Date: 29/04/2022 Expiry Date: 31/03/2037 Issue No: 1 Version Start Date: 29/04/2022 Version End Date: -
-	1769m SW	Status: Active Licence No: TH/039/0042/073 Details: Heat Pump Direct Source: THAMES GROUNDWATER Point: CONSORT ESTATE SOUTHWARK LONDON Data Type: Point Name: London Borough of Southwark Easting: 534642 Northing: 175878	Annual Volume (m^3): 450000 Max Daily Volume (m^3): 1330 Original Application No: NPS/WR/036934 Original Start Date: 29/04/2022 Expiry Date: 31/03/2037 Issue No: 1 Version Start Date: 29/04/2022 Version End Date: -

ID	Location	Details	
-	1913m N	Status: Historical Licence No: TH/039/0042/001 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT SOUTHWARK PARK, SOUTHWARK LONDON Data Type: Point Name: LONDON BOROUGH OF SOUTHWARK Easting: 535110 Northing: 179100	Annual Volume (m^3): 25000 Max Daily Volume (m^3): 800 Original Application No: - Original Start Date: 18/05/2009 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 18/05/2009 Version End Date: -
-	1913m N	Status: Historical Licence No: TH/039/0042/001 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT SOUTHWARK PARK, SOUTHWARK LONDON Data Type: Point Name: LONDON BOROUGH OF SOUTHWARK Easting: 535110 Northing: 179100	Annual Volume (m^3): 25000 Max Daily Volume (m^3): 800 Original Application No: - Original Start Date: 18/05/2009 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 18/05/2009 Version End Date: -
-	1943m E	Status: Historical Licence No: TH/039/0044/018/R01L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - CSO AREA Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537717 Northing: 177243	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -
-	1943m E	Status: Historical Licence No: TH/039/0044/018/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - CSO AREA Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537717 Northing: 177243	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 30/06/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/06/2020 Version End Date: -
-	1948m E	Status: Active Licence No: 28/39/43/0019 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: DEPTFORD PUMPING STATION POINT D Data Type: Point Name: Thames Water Utilities Ltd Easting: 537570 Northing: 176580	Annual Volume (m^3): 9150000 Max Daily Volume (m^3): 50003 Original Application No: NPS/WR/009271 Original Start Date: 14/02/1967 Expiry Date: - Issue No: 103 Version Start Date: 10/07/2014 Version End Date: -

ID	Location	Details	
-	1950m E	Status: Historical Licence No: TH/039/0044/018/R01L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - CSO AREA Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537704 Northing: 177256	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -
-	1950m E	Status: Historical Licence No: TH/039/0044/018/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - CSO AREA Data Type: Poly4 Name: COSTAIN LIMITED Easting: 537704 Northing: 177256	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 30/06/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/06/2020 Version End Date: -
-	1957m N	Status: Historical Licence No: TH/039/0042/021 Details: Make-Up Or Top Up Water Direct Source: THAMES GROUNDWATER Point: POINT 'A' AT SOUTHWARK PARK Data Type: Point Name: LONDON BOROUGH OF SOUTHWARK Easting: 535101 Northing: 179144	Annual Volume (m^3): 2100 Max Daily Volume (m^3): 800 Original Application No: NPS/WR/009262 Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 27/02/2017 Version End Date: -
-	1957m N	Status: Historical Licence No: TH/039/0042/021 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: POINT 'A' AT SOUTHWARK PARK Data Type: Point Name: LONDON BOROUGH OF SOUTHWARK Easting: 535101 Northing: 179144	Annual Volume (m^3): 2100 Max Daily Volume (m^3): 800 Original Application No: NPS/WR/009262 Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 27/02/2017 Version End Date: -
-	1957m N	Status: Historical Licence No: TH/039/0042/021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: POINT 'A' AT SOUTHWARK PARK Data Type: Point Name: LONDON BOROUGH OF SOUTHWARK Easting: 535101 Northing: 179144	Annual Volume (m^3): 2100 Max Daily Volume (m^3): 800 Original Application No: NPS/WR/009262 Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 27/02/2017 Version End Date: -

ID	Location	Details	
-	1964m E	Status: Historical Licence No: TH/039/0044/018/R01L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7507 Data Type: Point Name: COSTAIN LIMITED Easting: 537718 Northing: 177267	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -
-	1964m E	Status: Historical Licence No: TH/039/0044/018 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7507 Data Type: Point Name: COSTAIN LIMITED Easting: 537718 Northing: 177267	Annual Volume (m^3): 189216 Max Daily Volume (m^3): 518.40 Original Application No: - Original Start Date: 16/11/2018 Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 16/11/2018 Version End Date: -
-	1964m E	Status: Historical Licence No: TH/039/0044/018/L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7507 Data Type: Point Name: COSTAIN LIMITED Easting: 537718 Northing: 177267	Annual Volume (m^3): 189216 Max Daily Volume (m^3): 518.40 Original Application No: - Original Start Date: 01/04/2020 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2020 Version End Date: -
-	1964m E	Status: Historical Licence No: TH/039/0044/018/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7507 Data Type: Point Name: COSTAIN LIMITED Easting: 537718 Northing: 177267	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 30/06/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/06/2020 Version End Date: -
-	1970m E	Status: Active Licence No: 28/39/43/0019 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: DEPTFORD PUMPING STATION POINT A Data Type: Point Name: Thames Water Utilities Ltd Easting: 537590 Northing: 176570	Annual Volume (m^3): 9150000 Max Daily Volume (m^3): 50003 Original Application No: NPS/WR/009271 Original Start Date: 14/02/1967 Expiry Date: - Issue No: 103 Version Start Date: 10/07/2014 Version End Date: -

ID	Location	Details	
-	1972m E	Status: Historical Licence No: TH/039/0044/018/R01L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7509 Data Type: Point Name: COSTAIN LIMITED Easting: 537727 Northing: 177276	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 01/04/2023 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2023 Version End Date: -
-	1972m E	Status: Historical Licence No: TH/039/0044/018 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7509 Data Type: Point Name: COSTAIN LIMITED Easting: 537727 Northing: 177276	Annual Volume (m^3): 189216 Max Daily Volume (m^3): 518.40 Original Application No: - Original Start Date: 16/11/2018 Expiry Date: 31/03/2020 Issue No: 1 Version Start Date: 16/11/2018 Version End Date: -
-	1972m E	Status: Historical Licence No: TH/039/0044/018/L Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7509 Data Type: Point Name: COSTAIN LIMITED Easting: 537727 Northing: 177276	Annual Volume (m^3): 189216 Max Daily Volume (m^3): 518.40 Original Application No: - Original Start Date: 01/04/2020 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2020 Version End Date: -
-	1972m E	Status: Historical Licence No: TH/039/0044/018/R01 Details: Dewatering Direct Source: THAMES GROUNDWATER Point: GREPS - BH7509 Data Type: Point Name: COSTAIN LIMITED Easting: 537727 Northing: 177276	Annual Volume (m^3): 373176 Max Daily Volume (m^3): 1023 Original Application No: NPS/WR/028434 Original Start Date: 30/06/2020 Expiry Date: 31/03/2023 Issue No: 1 Version Start Date: 30/06/2020 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**0**

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

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

5.8 Potable abstractions

Records within 2000m	4

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 79 >**

ID	Location	Details	
-	1913m N	Status: Historical Licence No: TH/039/0042/001 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: BOREHOLE AT SOUTHWARK PARK, SOUTHWARK LONDON Data Type: Point Name: LONDON BOROUGH OF SOUTHWARK Easting: 535110 Northing: 179100	Annual Volume (m^3): 25000 Max Daily Volume (m^3): 800 Original Application No: - Original Start Date: 18/05/2009 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 18/05/2009 Version End Date: -
-	1948m E	Status: Active Licence No: 28/39/43/0019 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: DEPTFORD PUMPING STATION POINT D Data Type: Point Name: Thames Water Utilities Ltd Easting: 537570 Northing: 176580	Annual Volume (m^3): 9150000 Max Daily Volume (m^3): 50003 Original Application No: NPS/WR/009271 Original Start Date: 14/02/1967 Expiry Date: - Issue No: 103 Version Start Date: 10/07/2014 Version End Date: -
-	1957m N	Status: Historical Licence No: TH/039/0042/021 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: THAMES GROUNDWATER Point: POINT 'A' AT SOUTHWARK PARK Data Type: Point Name: LONDON BOROUGH OF SOUTHWARK Easting: 535101 Northing: 179144	Annual Volume (m^3): 2100 Max Daily Volume (m^3): 800 Original Application No: NPS/WR/009262 Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 27/02/2017 Version End Date: -

ID	Location	Details	
-	1970m E	Status: Active Licence No: 28/39/43/0019 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: DEPTFORD PUMPING STATION POINT A Data Type: Point Name: Thames Water Utilities Ltd Easting: 537590 Northing: 176570	Annual Volume (m^3): 9150000 Max Daily Volume (m^3): 50003 Original Application No: NPS/WR/009271 Original Start Date: 14/02/1967 Expiry Date: - Issue No: 103 Version Start Date: 10/07/2014 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



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Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	0

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

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	1

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

Features are displayed on the Hydrology map on **page 90 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**Coastal Catchment**	**Not part of a river WB catchment**	**128**	**Land area part of London Management Catchment draining to the Tidal Thames**	**London**

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

6.4 WFD Surface water bodies

Records identified	0

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

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

6.5 WFD Groundwater bodies

Records on site	1

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

Features are displayed on the Hydrology map on **page 90 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Greenwich Tertiaries and Chalk**	**GB40602G602500** ↗	**Poor**	**Poor**	**Poor**	**2019**

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

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

River and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

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

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

7.2 Historical Flood Events

Records within 250m	0

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

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

7.3 Flood Defences

Records within 250m	0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	1

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

Features are displayed on the River and coastal flooding map on **page 93 >**

ID	Location	
1	**On site**	**Area benefiting from flood defences**

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

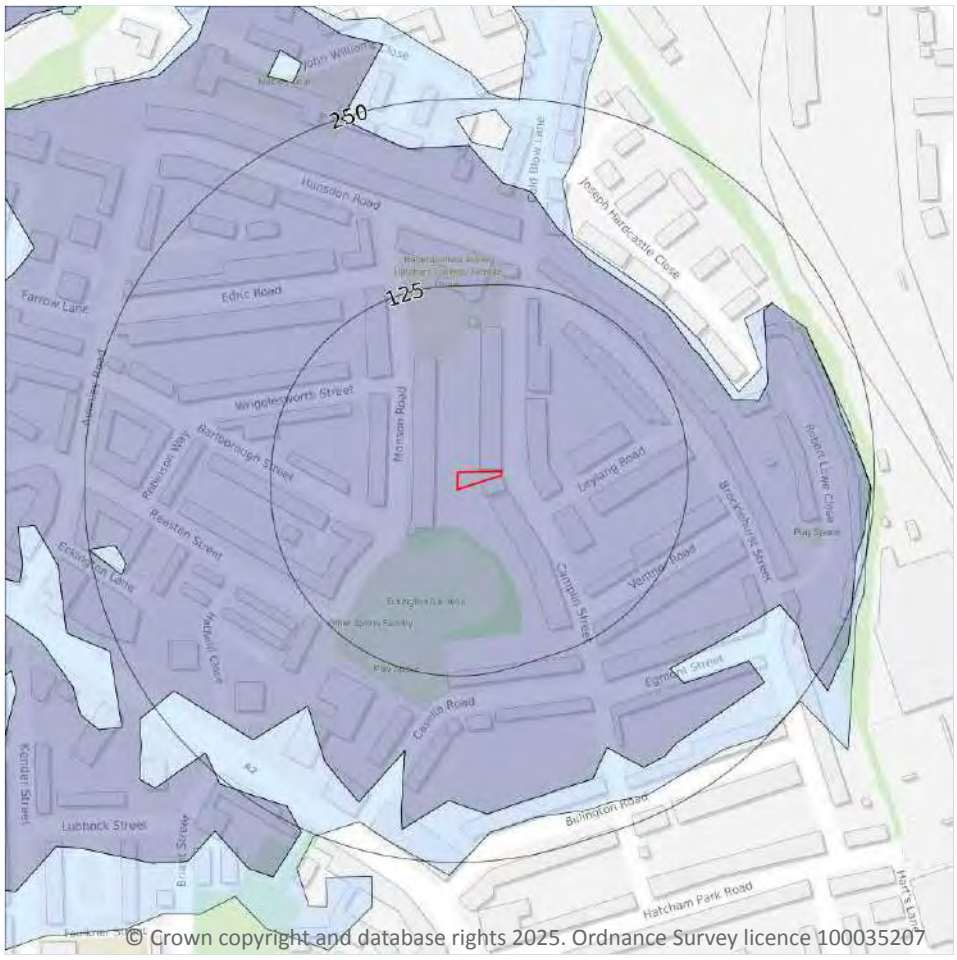
7.5 Flood Storage Areas

Records within 250m	0

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

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

River and coastal flooding - Flood Zones



7.6 Flood Zone 2

Records within 50m	0

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

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

7.7 Flood Zone 3

Records within 50m	1

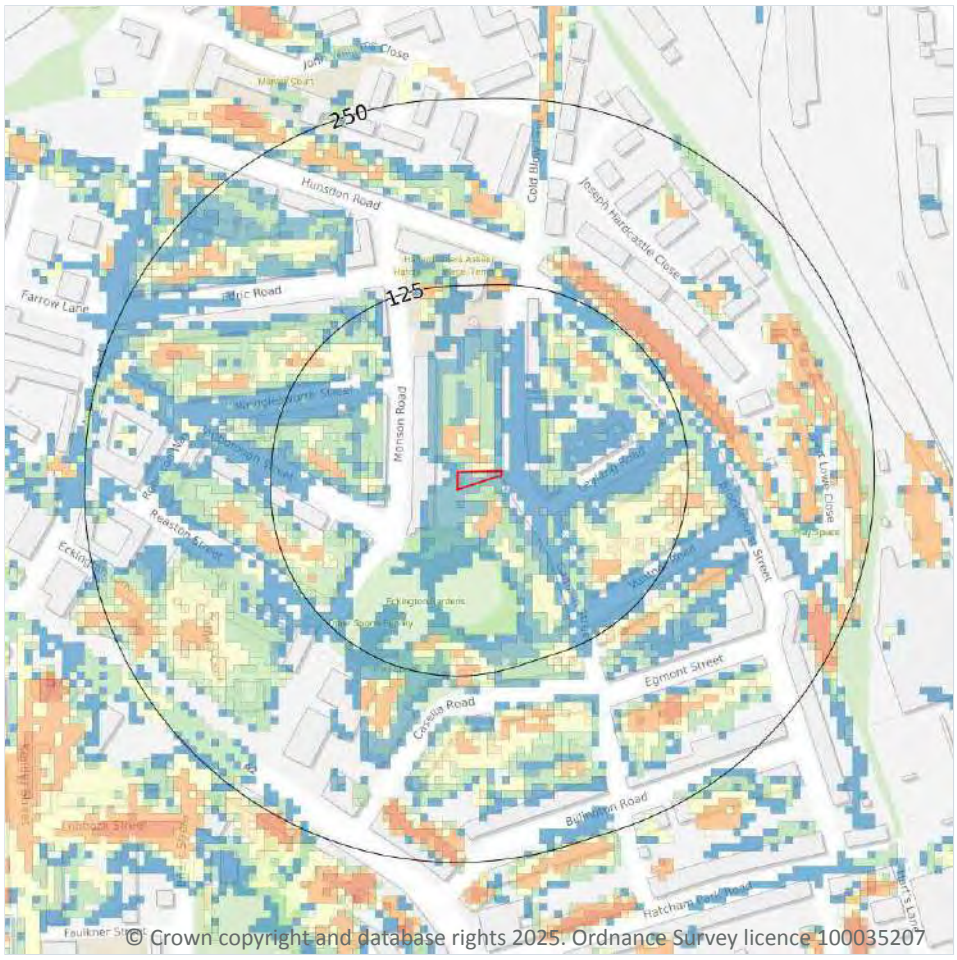
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 93 >**

Location	Type
On site	**Zone 3 - (Fluvial /Tidal Models)**

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

8 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 250 year, 0.1m - 0.3m**
Highest risk within 50m	**1 in 30 year, 0.1m - 0.3m**

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

Features are displayed on the Surface water flooding map on **page 97 >**

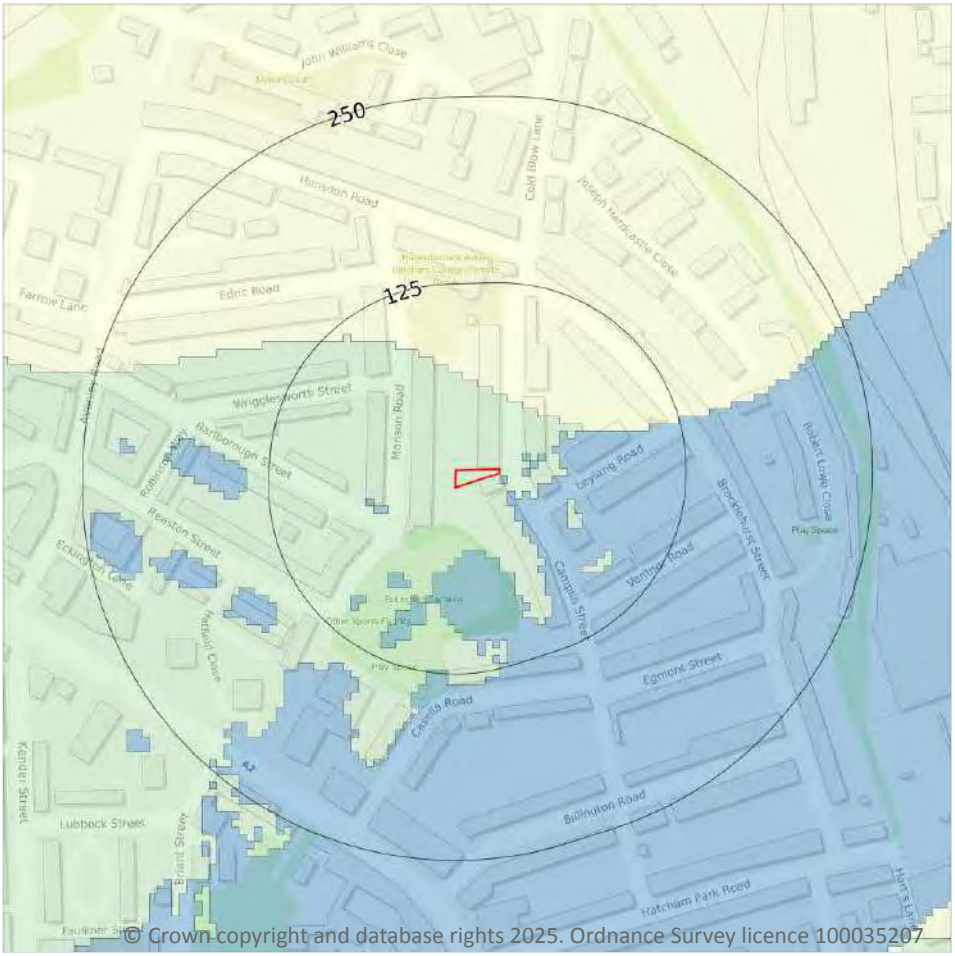
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site	**Low**
Highest risk within 50m	**Moderate**

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

Features are displayed on the Groundwater flooding map on **page 99 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	3

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

Features are displayed on the Environmental designations map on **page 100 >**

ID	Location	Name	Data source
-	1392m S	Nunhead Cemetery	Natural England
-	1645m E	Sue Godfrey Nature Park	Natural England
-	1956m N	Russia Dock Woodland	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	0

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

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	0

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	0

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

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

SSSI Impact Zones and Units



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10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 105 >**

ID	Location	Type of developments requiring consultation
1	On site	**Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m². Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.**

This data is sourced from Natural England.

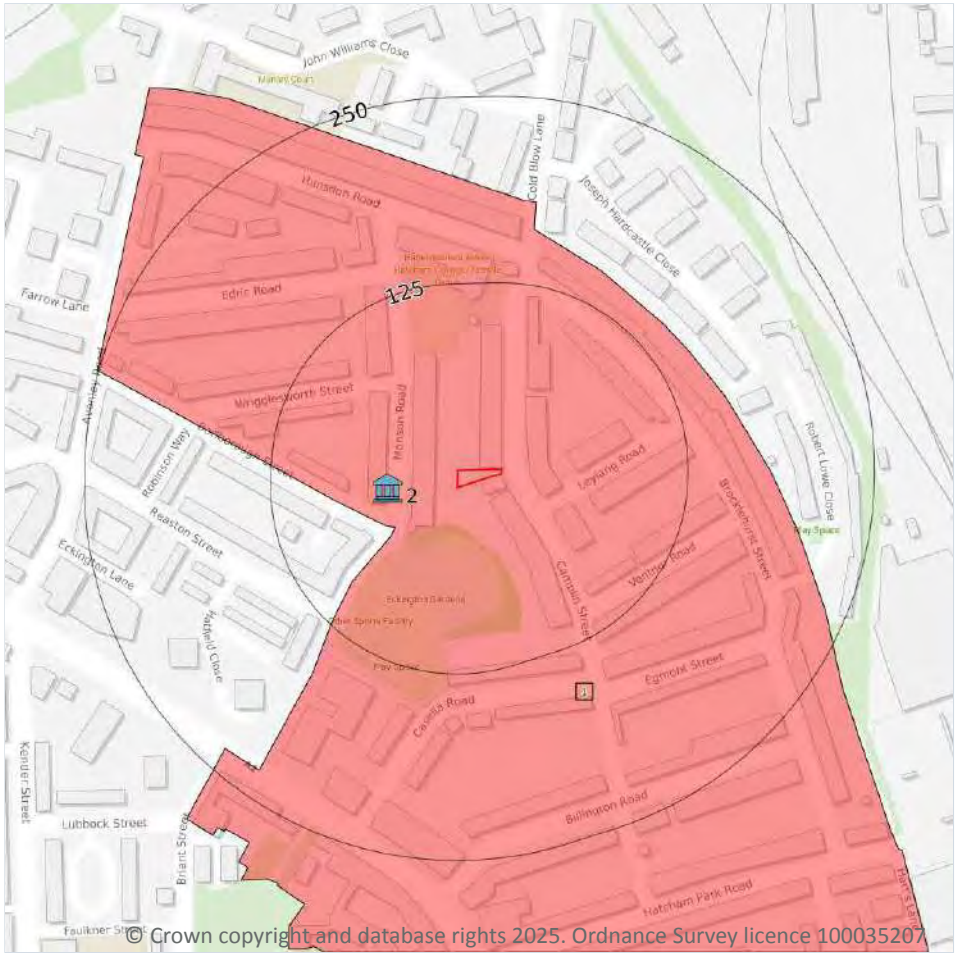
10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations



Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

11.1 World Heritage Sites

Records within 250m	0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

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

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

11.3 National Parks

Records within 250m	0

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

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

11.4 Listed Buildings

Records within 250m	1

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

Features are displayed on the Visual and cultural designations map on **page 107 >**

ID	Location	Name	Grade	Reference Number	Listed date
2	47m W	K2 Telephone Kiosk Outside Duke Of Albany Public House	II	1252826	03/02/1987

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

11.5 Conservation Areas

Records within 250m	1

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

Features are displayed on the Visual and cultural designations map on **page 107 >**

ID	Location	Name	District	Date of designation
1	**On site**	**Hatcham, Lewisham**	**Lewisham**	**1990**

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

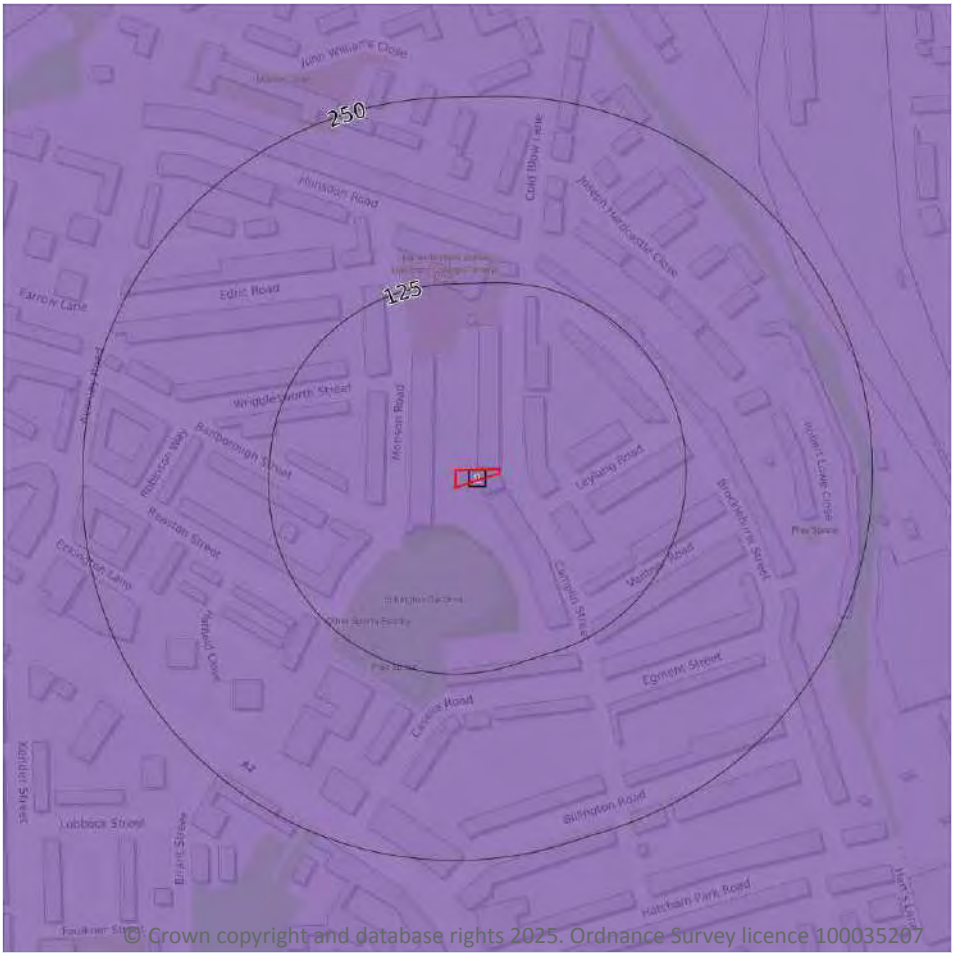
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 110 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	**Non-agricultural/no quality assigned**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations



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Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks

Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	6

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

Features are displayed on the Habitat designations map on **page 112 >**

ID	Location	Main Habitat	Other habitats
A	26m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	33m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	103m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	103m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
1	110m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	133m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



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14.1 10k Availability

Records within 500m	1

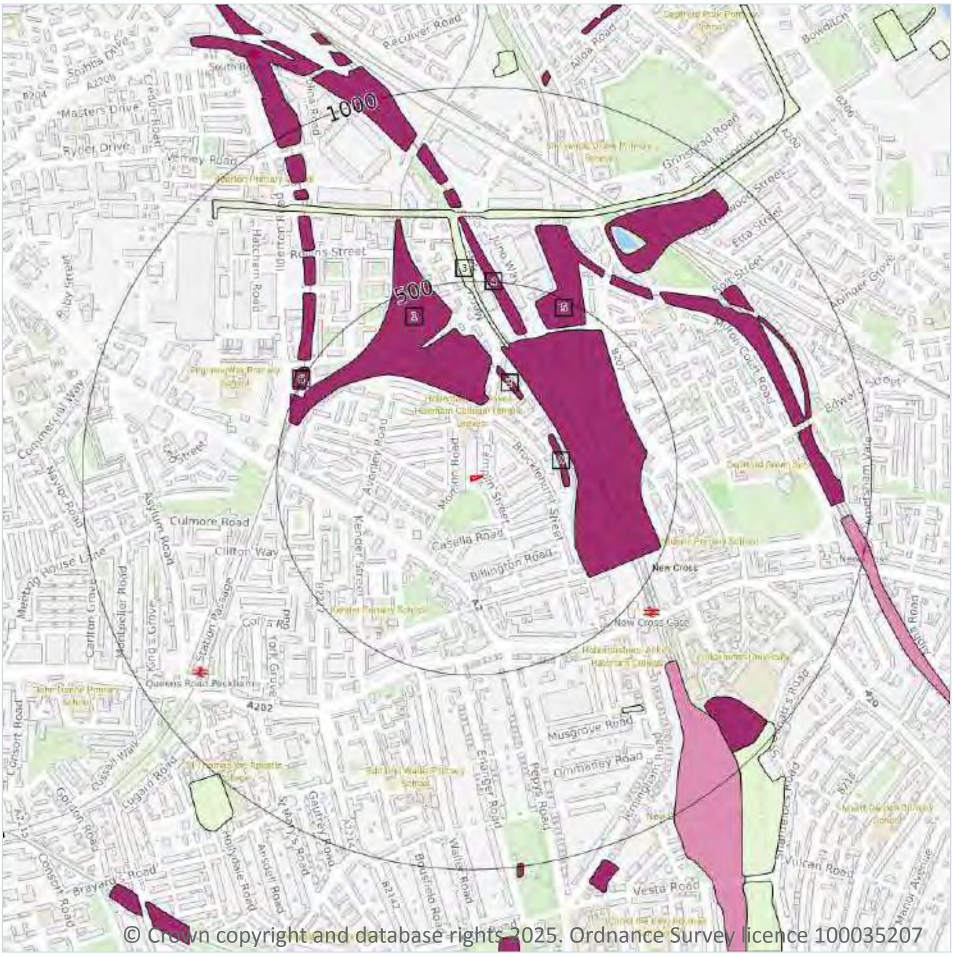
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 114 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**TQ37NE**

This data is sourced from the British Geological Survey.

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



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Site Outline

Search buffers in metres (m)

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

14.2 Artificial and made ground (10k)

Records within 500m **8**

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 115 >**

ID	Location	LEX Code	Description	Rock description
1	183m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	193m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	219m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	224m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

ID	Location	LEX Code	Description	Rock description
3	334m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit
4	374m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	415m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	482m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



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Site Outline

Search buffers in metres (m)

Landslip (10k)

Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m **4**

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 117 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LASI-Z**	**Langley Silt Member - Silt (unlithified Deposits Coding Scheme)**	**Silt**
2	46m NE	KPGR-XSV	Kempton Park Gravel Formation - Sand And Gravel	Sand And Gravel
3	388m E	PEAT-P	Peat - Peat	Peat

ID	Location	LEX Code	Description	Rock description
4	468m SE	HEAD-C	Head - Clay (unlithified Deposits Coding Scheme)	Clay

This data is sourced from the British Geological Survey.

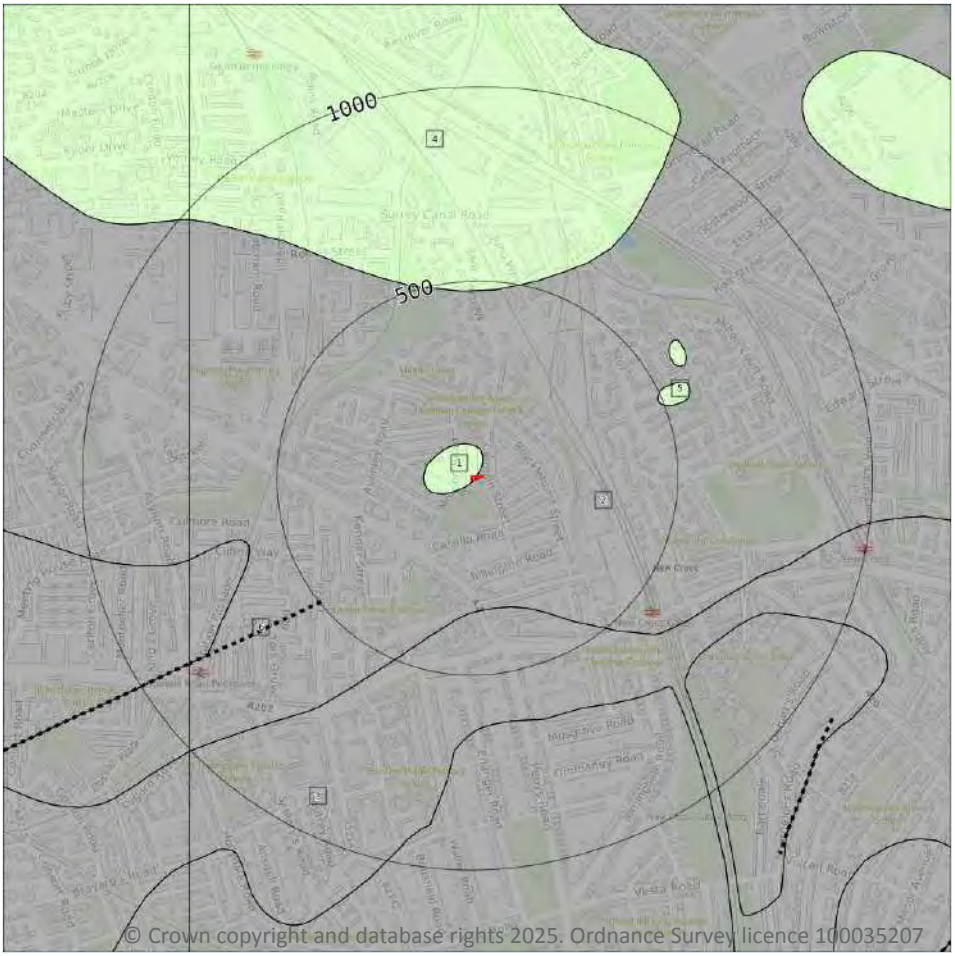
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	5

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 119 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**SECK-CHLK**	**Seaford Chalk Formation - Chalk**	**Santonian Age - Coniacian Age**
2	**On site**	**TAB-SANDU**	**Thanet Sand Formation - Sand**	**Thanetian Age**
3	332m S	LMBE-CLAY	Lambeth Group - Clay	Paleocene Epoch
4	476m N	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age

ID	Location	LEX Code	Description	Rock age
5	490m NE	SECK-CHLK	Seaford Chalk Formation - Chalk	Santonian Age - Coniacian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**1**

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 119 >**

ID	Location	Category	Description
6	495m SW	FAULT	Normal fault, inferred

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability



15.1 50k Availability

Records within 500m	1

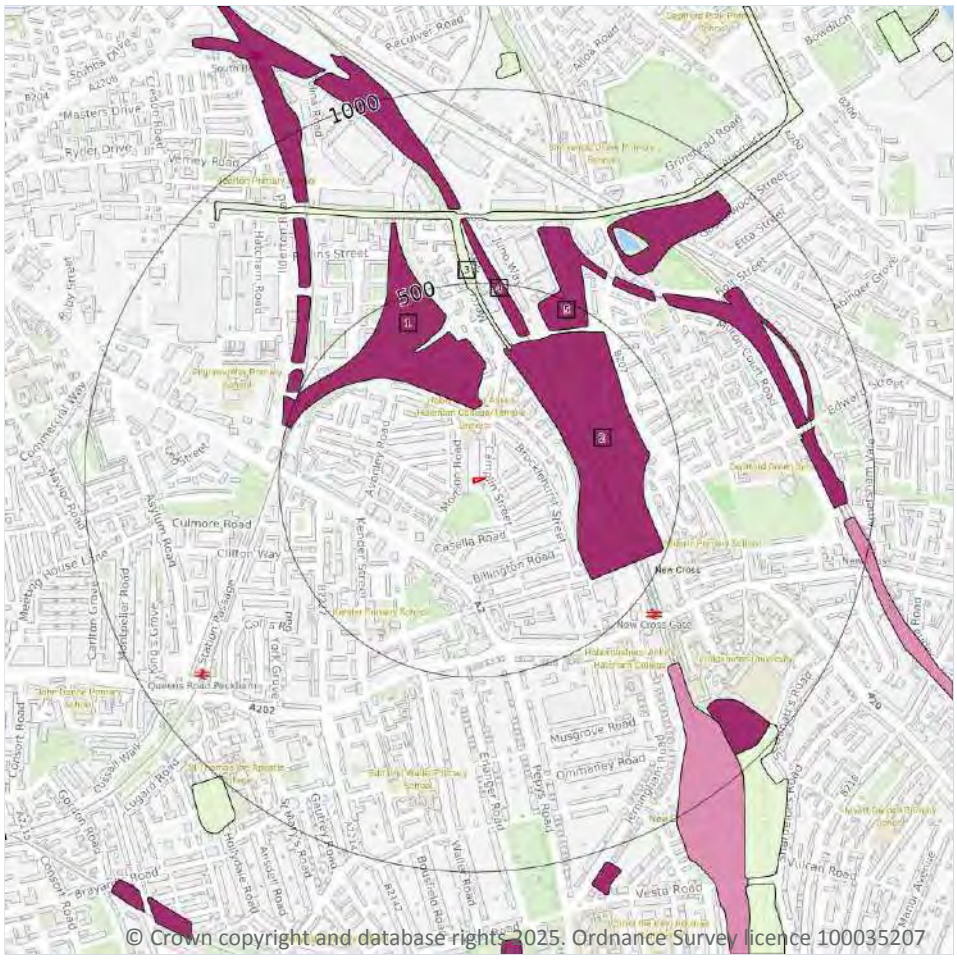
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 121 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW270_south_london_v4**

This data is sourced from the British Geological Survey.

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



Site Outline

Search buffers in metres (m)

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

15.2 Artificial and made ground (50k)

Records within 500m	5

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 122 >**

ID	Location	LEX Code	Description	Rock description
1	177m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	224m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	335m N	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
4	374m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	414m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

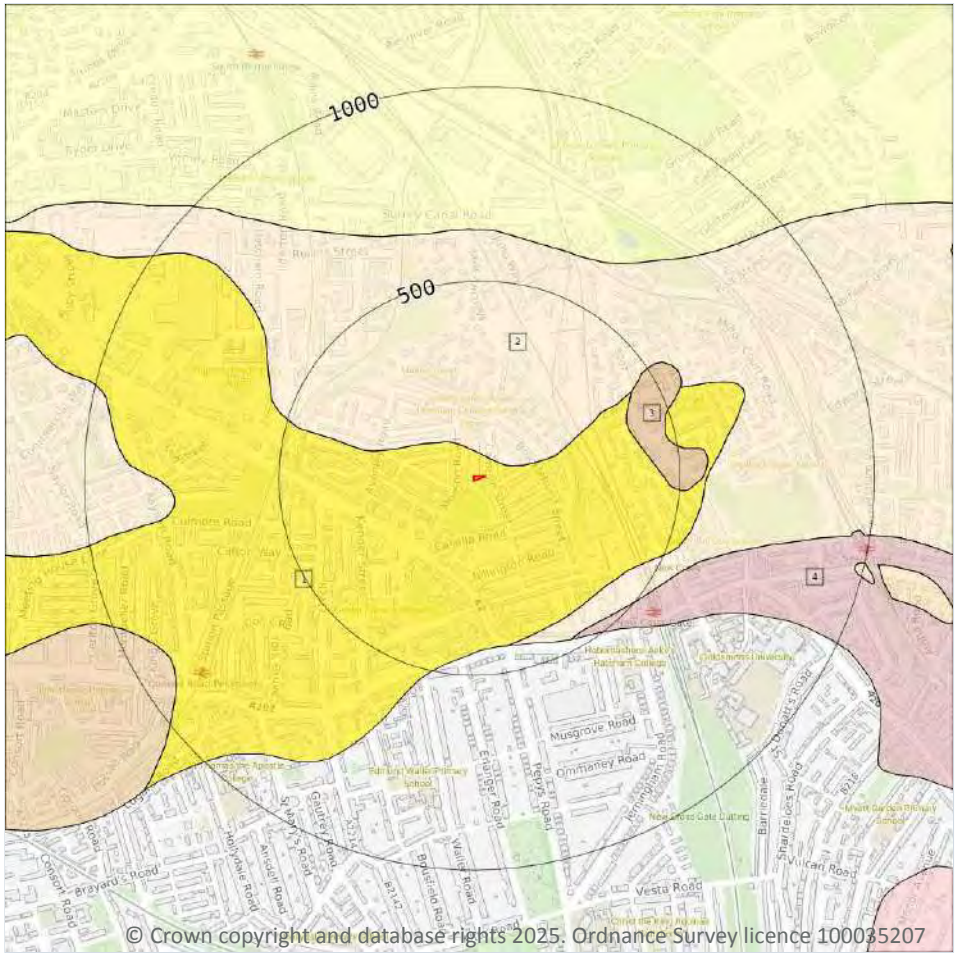
15.3 Artificial ground permeability (50k)

Records within 50m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m **4**

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 124 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**LASI-XCZ**	**LANGLEY SILT MEMBER**	**CLAY AND SILT**
2	45m NE	KPGR-XSV	KEMPTON PARK GRAVEL MEMBER	SAND AND GRAVEL
3	388m E	PEAT-P	PEAT	PEAT

ID	Location	LEX Code	Description	Rock description
4	467m SE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	**2**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Low**	**Very Low**
45m NE	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	**0**

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

This data is sourced from the British Geological Survey.

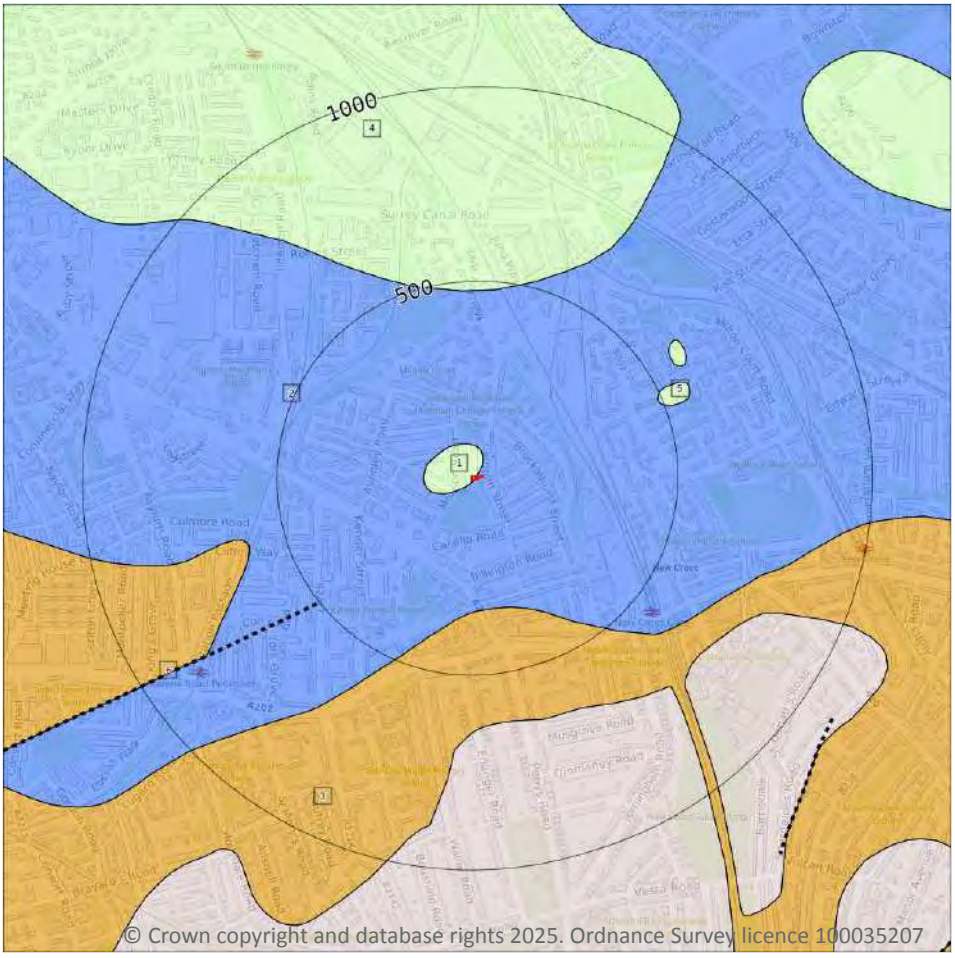
15.7 Landslip permeability (50k)

Records within 50m	**0**

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m **5**

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 126 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**LSNCK-CHLK**	**LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK**	**TURONIAN**
2	**On site**	**TAB-S**	**THANET FORMATION - SAND**	**THANETIAN**
3	333m S	LMBE-XCZS	LAMBETH GROUP - CLAY, SILT AND SAND	THANETIAN

ID	Location	LEX Code	Description	Rock age
4	477m N	LSNCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN
5	490m NE	LSNCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED) - CHALK	TURONIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**2**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**Very High**	**Very High**
On site	**Intergranular**	**High**	**High**

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**1**

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 126 >**

ID	Location	Category	Description
6	495m SW	FAULT	Fault, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



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Site Outline

Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m	10

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

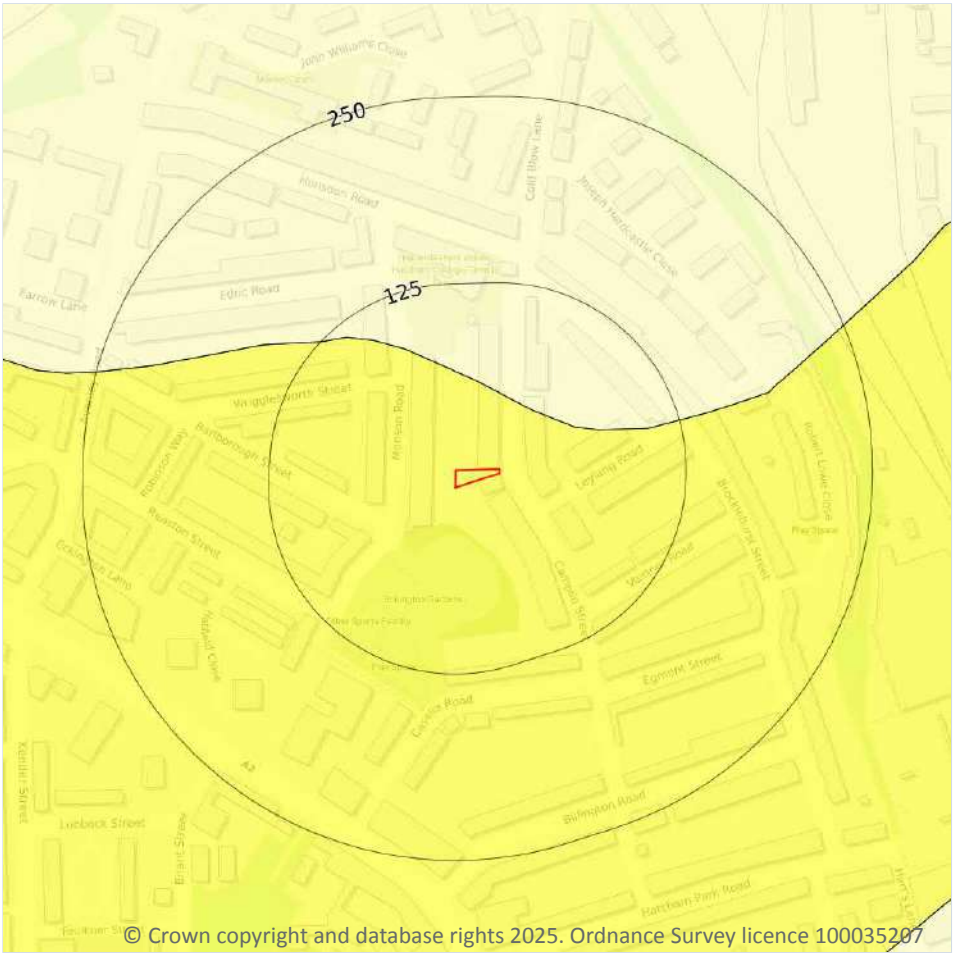
Features are displayed on the Boreholes map on **page 128 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	41m W	535684 177284	HATCHAM DAIRY L148 OLD KENT ROAD	8.84	N	599768 ↗
2	197m E	535951 177301	BROCKLEHURST ST E 14 BH3	10.0	N	601277 ↗
3	211m E	535962 177326	BROCKLEHURST ST E 14 BH6	10.0	N	601280 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	217m E	535957 177367	BROCKLEHURST ST E 14 BH1	10.0	N	601275 ↗
5	218m E	535971 177260	BROCKLEHURST ST E 14 BH5	10.0	N	601279 ↗
6	223m SW	535603 177090	L.L. SEWER S SIDE OLD KENT ROAD L147	10.08	N	599767 ↗
7	225m SW	535540 177150	NEW CROSS B	10.66	N	15624051 ↗
8	231m SW	535520 177170	NEW CROSS A	21.33	N	15624050 ↗
9	237m E	535991 177305	BROCKLEHURST ST E 14 BH4	10.0	N	601278 ↗
10	241m E	535987 177224	BROCKLEHURST ST E 14 BH2	10.0	N	601276 ↗

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

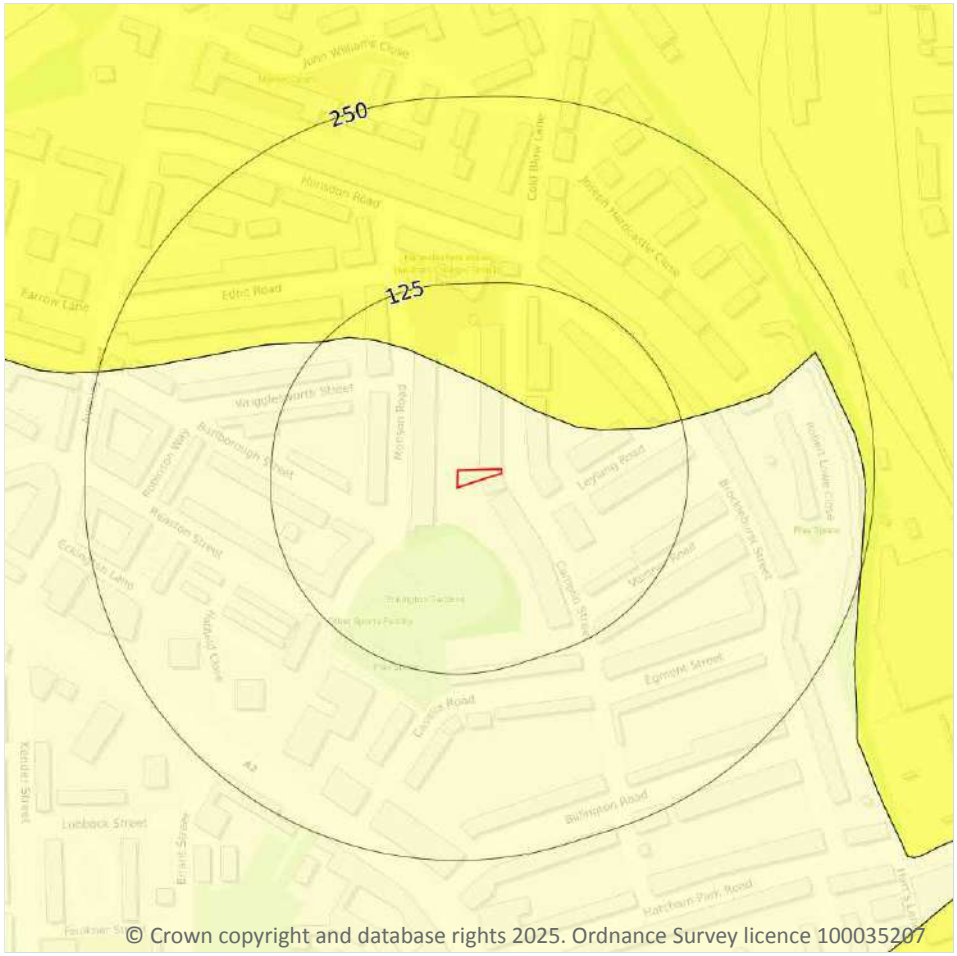
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 130 >**

Location	Hazard rating	Details
On site	**Very low**	**Ground conditions predominantly low plasticity.**
45m NE	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	2

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

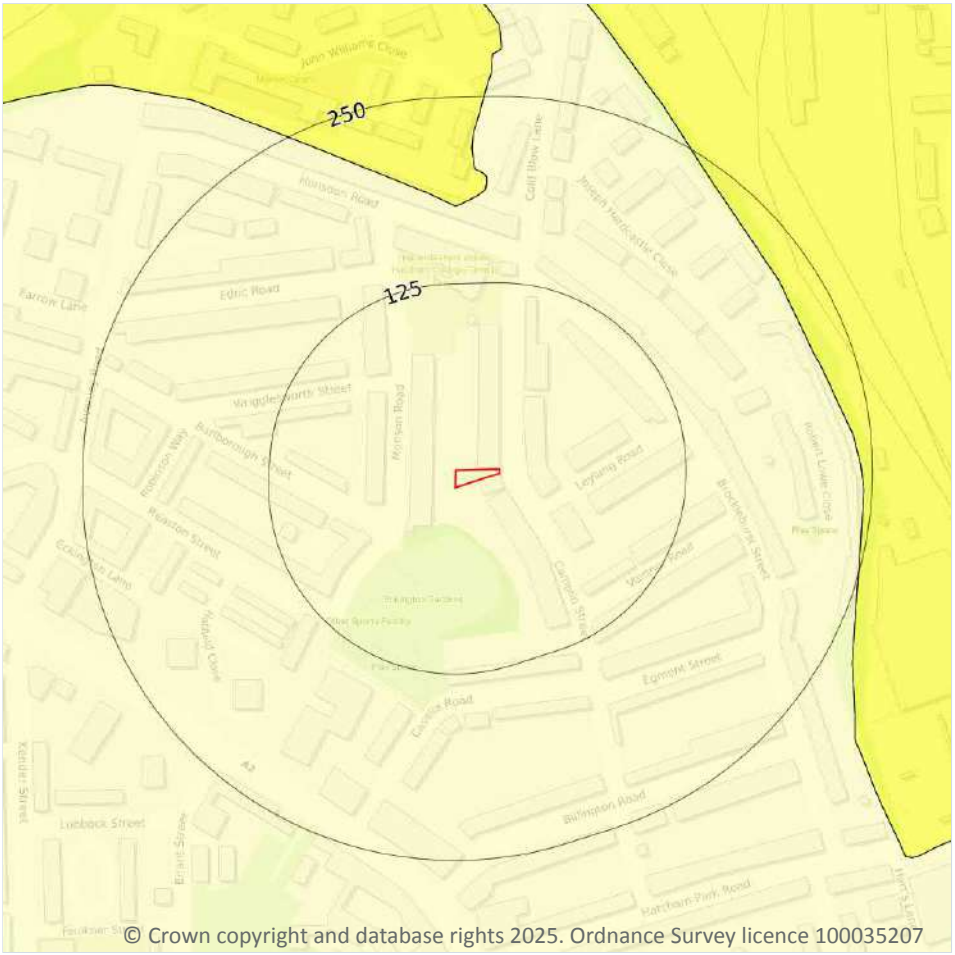
Features are displayed on the Natural ground subsidence - Running sands map on **page 131 >**

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
45m NE	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	1

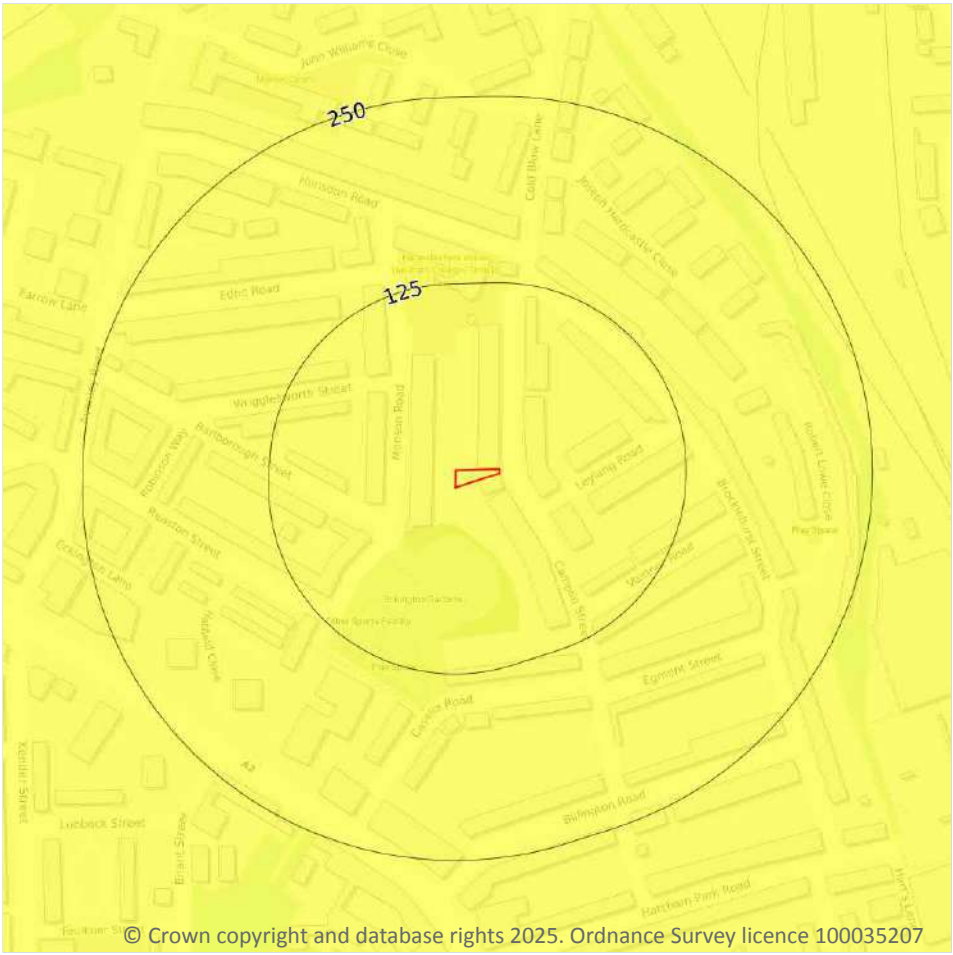
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 133 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	1

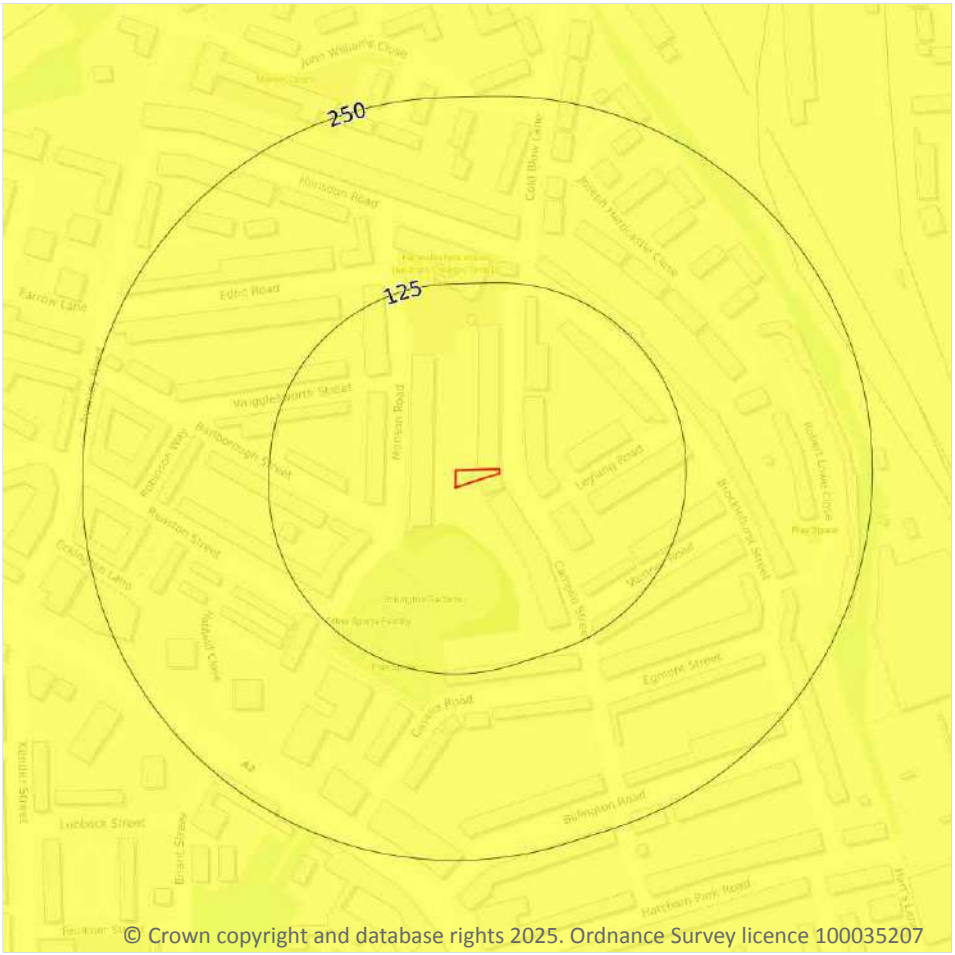
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 134 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	1

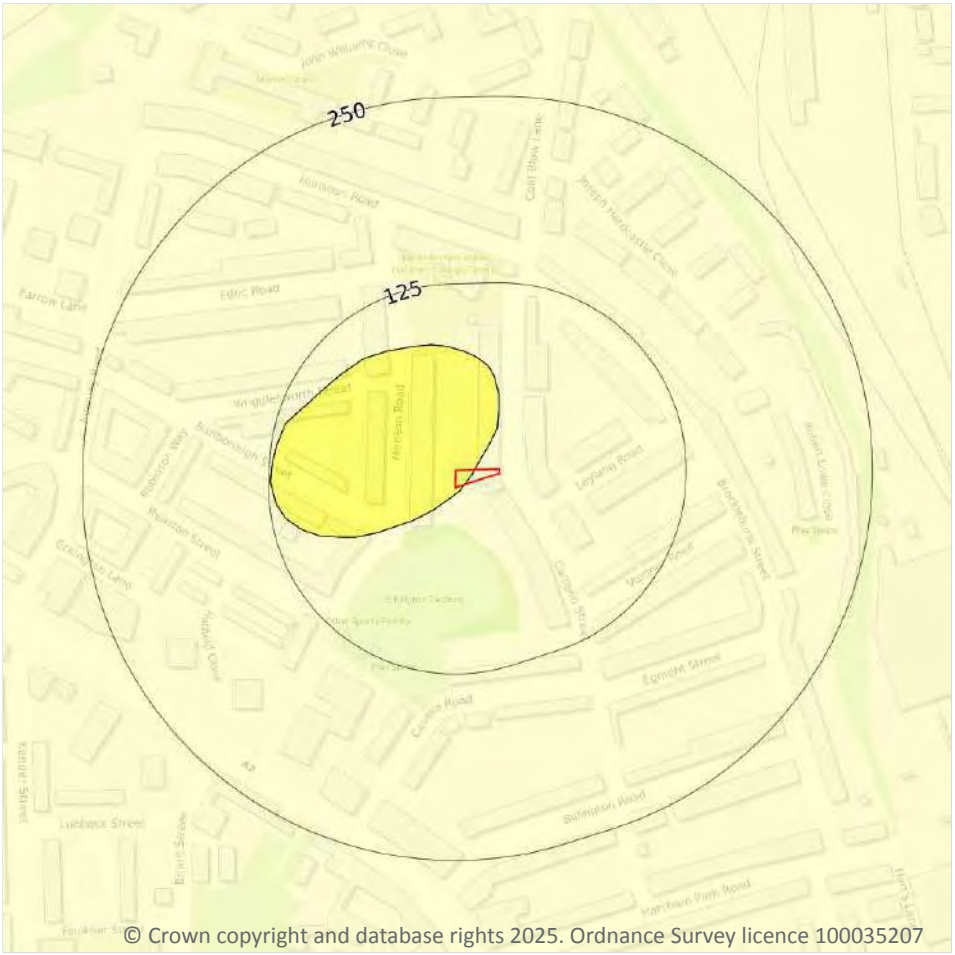
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 135 >**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	2

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 136 >**

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

Location	Hazard rating	Details
On site	**Very low**	**Soluble rocks are present within the ground. Few dissolution features are likely to be present. Potential for difficult ground conditions or localised subsidence are at a level where they need not be considered.**

This data is sourced from the British Geological Survey.

18 Mining and ground workings



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Site Outline

Search buffers in metres (m)

- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	1

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

Features are displayed on the Mining and ground workings map on **page 138 >**

ID	Location	Details	Description
B	180m E	Name: Deptford Sand & Gravel Pit Address: Lewisham, LONDON, Kent Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**9**

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

Features are displayed on the Mining and ground workings map on **page 138 >**

ID	Location	Land Use	Year of mapping	Mapping scale
A	162m SE	Pond	1871	1:10560
A	169m SE	Pond	1873	1:10560
B	173m NE	Sand and Gravel Pit	1894	1:10560
B	175m E	Sand and Gravel Pit	1898	1:10560
B	179m E	Sand and Gravel Pit	1896	1:10560
B	180m NE	Sand and Gravel Pit	1894	1:10560
B	183m E	Sand and Gravel Pit	1894	1:10560
C	190m E	Refuse Heap	1938	1:10560
C	190m E	Refuse Heap	1920	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	5

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

Features are displayed on the Mining and ground workings map on **page 138 >**

ID	Location	Land Use	Year of mapping	Mapping scale
D	401m NE	Tunnel	1948	1:10560
D	403m NE	Tunnel	1967	1:10560
D	404m NE	Tunnel	1938	1:10560
D	404m NE	Tunnel	1920	1:10560
D	404m NE	Tunnel	1955	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	5

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

Features are displayed on the Mining and ground workings map on **page 138 >**

ID	Location	Name	Commodity	Class	Likelihood
4	431m S	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
5	448m SE	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
8	622m NE	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	903m SW	Not available	Chalk	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
-	911m SW	Not available	Chalk	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

20 Radon



Site Outline

Search buffers in metres (m)

Greater than 30%

Between 10% and 30%

Between 5% and 10%

Between 3% and 5%

Between 1% and 3%

Less than 1%

20.1 Radon

Records on site	1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 146 >**

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

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m **3**

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**
On site	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**	**No data**
45m NE	No data	No data	No data	No data	No data	No data	No data

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m **6**

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

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	**28**	**4.9**	**592**	**407**	**1.3**	**120**	**178**	**38**	**74**
10m N	26	4.6	496	341	1.2	109	147	36	59
25m W	28	4.9	569	391	1.3	119	171	37	69
28m NW	27	4.7	516	354	1.2	109	157	36	60
45m E	25	4.4	500	344	1.1	104	144	35	59
47m E	25	4.4	464	319	1.1	99	132	34	57

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects



Site Outline

Search buffers in metres (m)

- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	39

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

Features are displayed on the Railway infrastructure and projects map on **page 150 >**

Location	Land Use	Year of mapping	Mapping scale
140m NE	Railway Sidings	1948	10560
141m NE	Railway Sidings	1894	10560
143m NE	Railway Sidings	1955	10560
144m NE	Railway Sidings	1938	10560
144m NE	Railway Sidings	1920	10560
158m E	Railway Sidings	1967	10560
162m NE	Railway Sidings	1894	10560
164m NE	Railway	1916	-
164m NE	Railway	1890	-
164m NE	Railway Sidings	1894	10560
164m E	Railway Sidings	1979	10000
164m E	Railway Sidings	1973	10000
165m NE	Railway	1930	-
166m NE	Railway Sidings	1916	2500
172m NE	Railway Sidings	1916	2500
175m NE	Railway Sidings	1898	10560
181m NE	Railway Sidings	1896	10560

Location	Land Use	Year of mapping	Mapping scale
183m NE	Railway Sidings	1896	2500
183m NE	Railway Sidings	1916	2500
183m NE	Railway Sidings	1950	2500
184m NE	Railway Sidings	1950	1250
197m E	Railway Sidings	1896	2500
203m NE	Railway Sidings	1871	10560
204m NE	Railway Sidings	1898	10560
210m NE	Railway Sidings	1874	2500
210m NE	Railway Sidings	1874	-
211m N	Railway Sidings	1950	1250
211m NE	Railway Sidings	1873	10560
211m NE	Railway Sidings	1896	2500
218m NE	Railway Sidings	1873	2500
218m NE	Railway Sidings	1989	10000
219m NE	Railway Sidings	1874	2500
219m NE	Railway Sidings	1874	-
219m NE	Railway Sidings	1994	10000
238m NE	Railway Sidings	1950	1250
238m NE	Railway Sidings	1916	2500
241m E	Railway Sidings	1896	2500
241m NE	Railway Sidings	1971	1250
242m NE	Railway Sidings	1872	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	0

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

to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	2

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

Features are displayed on the Railway infrastructure and projects map on **page 150 >**

Location	Name	Type
241m NE	East London line	rail
241m NE	Not given	Single Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

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

This data is sourced from HS2 ltd.

Data providers

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

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

20 APPENDIX 4 – BGS BOREHOLE LOGS

British Geological Survey

Monson St. Boyce Map TQ37NE:66 L148

WELL BORING at Marlborough Rd S.E. County

Geol. map 1 in. map New Series 270 6 in. map ~~70~~ 11 NE

Made by Date 1862

Sunk feet. Bored feet.

Communicated by L C C

Height above Ordnance Datum 111'3·3 Rest level of water 5.5' above OD

Yield

Quality (with copy of analysis on separate sheet) (0·26" map) 3568 4 7728 4 N.G.R. ~~3568 7729~~

GEOLOGICAL FORMATION	NATURE OF STRATA	THICKNESS Feet	THICKNESS Inches	DEPTH Feet	DEPTH Inches
	Made ground.		6		
	Stiff loam.	6	6	7	
	Grey silty sand.	1		8	
	Red sand: a little gravel.	1	6	9	6
	Grey "	8	6	18	
	Gravel	3		21	
	Coarse gravel.	2		23	
	Chalk.	6		29	

W.S.S. 267. (22)

GEOLOGICAL SURVEY AND MUSEUM, JERMYN STREET, LONDON, S.W.1.

(50478X) Wt. W39733/0131 2,500 4/31 H. J. R. & L., Ltd. Gp. 616

21 APPENDIX 5 – SITE PHOTOGRAPHY





22 APPENDIX 6 - RISK ASSESSMENT METHODOLOGY

- Severity considers the potential impact of the linkage on the receptors, if the linkage was active. Categories range from slight/superficial to fatal.
- Likelihood considers the chances of the linkage occurring and is classified into categories from improbable to frequent.

By assigning scores with each of the above categories, the risk assessment can be undertaken using the formula:

RISK = LIKELIHOOD × SEVERITY

The matrix given in Table 10 provides a means of calculating the overall risk; while Table 11 provides the qualitative assessment based on the risk score.

Table 10: Contamination Risk Matrix

		Potential Severity				
		Fatal 5	Major 4	Moderate 3	Minor 2	Slight 1
Probable Likelihood	Frequent 5	Very High	High	Moderate	Low - Moderate	Low
	Probable 4	High	High	Moderate	Low - Moderate	Low
	Possible 3	Moderate	Moderate	Low - Moderate	Low - Moderate	Very Low
	Remote 2	Low - Moderate	Low - Moderate	Low - Moderate	Low	Very Low
	Improbable 1	Low	Low	Very Low	Very Low	Very Low

Table 11: Assessment description for risk scores

Risk Score	Risk Assessment
1-3	**Very Low**
4-5	**Low**
6-10	**Low to Moderate**
11-15	**Moderate**
16-20	**High**
21-25	**Very High**

Table 12: Risk Classification System

Risk Term	Description
Very Low	The presence of an identified hazard does not give rise to the potential to cause significant harm to groundwater, surface water, ecological and/or property receptors. In the event of such harm being realized, it is not likely to be Severe.
Low	The presence of an identified hazard does not give rise to the potential to cause significant harm to human health receptors. In the event of such harm being realized, it is not likely to be Severe.
Low to Moderate	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realized, would at worst normally be mild.
Moderate	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
High	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action. Investigation is required and remedial works may be necessary in the short term and are likely over the longer term.
Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, or, there is an evidence that severe harm to a designated receptor is currently happening. Urgent investigation and remediation are likely to be required.

23 ABBREVIATIONS

Below is a generic list of commonly used abbreviations.

Abbreviation	Description
ACM	Asbestos Containing Materials
AOD	Above Ordnance Datum
AONB	Areas of Outstanding Natural Beauty
BGS	British Geological Survey
c.	circa
CLRA	Contaminated Land Risk Assessment
COMAH	Control of Major Accident Hazards
CSM	Conceptual Site Risk Model
EA	Environment Agency
IPC	Integrated Pollution Control
IPPC	Integrated Pollution Prevention Control
LAPC	Local Authority Pollution Control
LNR	Local Nature Reserves
NIHHS	Notification of Installations Handling Hazardous Substances
NNR	National Nature Reserves
NP	National Parks
NPPF	National Planning Policy Framework
OS	Ordnance Survey
PAHs	Polycyclic Aromatic Hydrocarbons
Part IIA	Part IIA of the Environmental Protection. Act 1990
PCBs	Polychlorinated Biphenyls
PCLU	Potentially Contaminative Land Use
PPL	Potential Pollutant Linkage
PSPPL	Potentially Significant Potential Pollutant Linkage
SAC	Special Areas of Conservation
SI	Site Investigation
SPA	Special Protection Area
SPOSH	Significant Possibility of Significant Harm
SSSIs	Sites of Special Scientific Interest
TPHs	Total Petroleum Hydrocarbons
UXO	Unexploded Ordnance
VOC	Volatile Organic Compounds