



Phase I Geo-Environmental Desk Study Report

C2734 - Grangewood School

March 2018

[HSP Consulting Engineers Ltd](#)

Lawrence House, 4 Meadowbank Way, Nottingham, NG16 3SB

Grangewood School Fore Street Pinner Middlesex HA5 2JQ

Phase I Geo-Environmental Desk Study Report

This report was produced by HSP Consulting Engineers Ltd for Gleeds Management Services Ltd, working on behalf of the Education and Skills Funding Agency (ESFA) as the Phase I Geo-Environmental Desk Study Report for the proposed Grangewood School at the site of the former Fore Street, Pinner, Middlesex to provide a preliminary assessment of potential ground related development constraints and to support a planning application.

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Issue & Revision History

Revision	Status	Originated	Checked	Approved	Date
A	FINAL	M. Kent B.Sc (Hons), FGS	L. Baker B.Sc (Hons), FGS	H. Pratt B.Eng (Hons), C.Eng, F.Cons.E, M.I.C.E, MI Mgt.	07.04.2018
Project Number : C2734				Document Reference : C2734/PI	

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Executive Summary

HSP Consulting has been commissioned by Gleeds Management Services Ltd working on behalf of the ESFA to provide a geo-environmental desk study (Phase I) providing information on likely constraints to the development of the site. The purpose of the report is to collate background historical and geo-environmental data to address where possible land contamination within Planning Policy Guidance and geo-environmental constraints for development. A new school with associated hard and soft play areas is proposed at the site.

The site is irregular in shape and is approximately 0.65Ha in area. The site is accessed off Fore Street to the east. The site is currently an existing single storey school building with playground areas, car parking and some landscaping. To the north and around to the east accessible woodland of predominantly deciduous trees is present both within and beyond the site boundary.

The site is shown as part of a woodland from 1864 up until 1990 when *Grangewood School* is recorded, still present on the most recent mapping (2018). Historically the area around the site was predominantly woodland and agricultural, before residential development occurred to the west and south from 1935 to 1965. Earthworks are recorded to the north east of the site from 1960 and still recorded on the most recent mapping.

The BGS mapping does not indicate any made ground on the site. Made ground is likely to be present associated with development of the site.

The BGS mapping indicates no superficial deposits on site. The site is expected to be underlain by bedrock geology of the Lambeth Group and Thames Group.

The bedrock geology is designated as Unproductive Strata. The site is located within a Source Protection Zone 2 (Outer Protection Zone).

The Preliminary Conceptual Site Model indicates a low to moderate possibility that harm could arise to a designated receptor from identified hazards.

A ground investigation is recommended to assess the geo-environmental constraints identified on site by this desk study.

The executive summary contains an overview of key findings and conclusions. However no reliance should be placed on the executive summary until the whole of the report has been read. Other sections of the report may contain information which puts into context the findings noted within the executive summary.



1. Introduction

1.1 Background

Gleeds Management Services Ltd and the ESFA propose to demolish and construct a new teaching facility with associated hard/soft play areas. Development plans included in App. I.

1.2 Scope and Limitations

HSP Consulting has been commissioned by Gleeds Management Services Ltd on behalf of the ESFA to provide technical studies to inform the feasibility study to enable design of the new development. The geo-environmental desk study (Phase I) is one of a series of studies providing information on likely constraints to the development of the site. The purpose of the report is to collate background historical and geo-environmental data to address where possible land contamination and stability matters within Planning Policy Guidance.

The recommendations made in this report are based on the assessment of the published information and information provided by the Client.

1.3 Report Objectives

The objectives of this report are to:

- Establish geological and hydrogeological conditions using available/published information;
- Summarise available information and identify site specific geotechnical and environmental hazards which may place a constraint upon the proposed site use;
- Produce a Conceptual Site Model and preliminary qualitative risk assessment identifying potential pollution linkages between sources, pathways & receptors;
- Provide recommendations for Phase II Site Investigation and other assessments required.

1.4 Sources of Information

The following sources of information were used during the preparation of this report.

- Envirocheck® Datasheet Ref: C2734_EC_A_Datasheet (Appendix III)
- Envirocheck® Content Mapping Ref: C2734_EC_A_Content (Appendix IV)
- Envirocheck® Historical Mapping Ref: C2734_EC_A_Histslice10000 (Appendix V)
- British Geological Survey. Geology of Britain Map Viewer www.bgs.ac.uk
- Environment Agency. What's In Your Backyard? www.environment-agency.gov.uk
- Department of the Environment. Industry Profiles.

A walkover was undertaken by HSP Consulting on 8th March 2018. The purpose of the walkover was to record the current land use, topography and principal physical features and to identify, where possible, visual and olfactory indicators of contamination.

1.5 Previous Reports

No previous reports have been provided by the client.

2. Site Setting

2.1 The Site

2.1.1 Location

The site is located off Fore Street, approximately 7.81km south of Watford City centre. The approximate National Grid Reference for the centre of the site is (NGR) 509920, 188820. A Site Location Plan is included in Appendix II.

2.1.2 Description

The site is irregular in shape and is approximately 0.65Ha in area. The site is accessed off Fore Street to the east.

The site is currently an existing single storey school building.

The site is surrounded by 2m high wire mesh fencing to the north east and around the northern boundary within the woodland. The school borders the Coteford Junior School to the south and southeast and currently a shared plant room sits between the two sites.

From northwest, to the north and around to the east a large number of semi-mature and mature almost extensively deciduous trees are present both within and beyond the site boundary.

The trees around the north of the site to the rear of the building and play area are almost extensively approximately one metre higher than the existing building level. The site falls to the southeast generally and beyond the site the level appears to fall this way across the Coteford junior school playing fields. It is anticipated that the building is at a reduced level and that the woodland is not on a filled plateau.

Playground areas around the school are all effectively hard cover surfaced with a variety of soft fall surfacing's segregating various play equipment with metal fencing dividing each area.

2.1.3 Surrounding Land Use

The main features of interest identified are:

- North: Woodland.
- East: Residential properties.
- South: Woodland and residential properties beyond.
- West: Residential properties

2.1.4 Proposed End Use

Gleeds Management Services Ltd and the ESFA propose to demolish the existing school and construct a new teaching facility with associated hard and soft play areas. Development plans are included in Appendix I.

2.2 Geology

2.2.1 Made Ground

The BGS mapping does not indicate any made ground on the site. Made ground is likely to be present associated with development of the site.

2.2.2 Superficial Deposits

The BGS mapping indicates no superficial deposits on the site.

2.2.3 Bedrock Geology

BGS bedrock mapping indicates the site is underlain by the Lambeth Group and Thames Group.

The Lambeth Group is described by the BGS as '*Vertically and laterally variable sequences mainly of clay, some silty or sandy, with some sands and gravels, minor limestones and lignites and occasional sandstone and conglomerate.*'

The Thames Group is described by the BGS as '*bioturbated or poorly laminated, blue-grey or grey-brown, slightly calcareous, silty to very silty clay, clayey silt and sometimes silt, with some layers of sandy clay. It commonly contains thin courses of carbonate concretions ('cementstone nodules') and disseminated pyrite. It also includes a few thin beds of shells and fine sand partings or pockets of sand, which commonly increase towards the base and towards the top of the formation.*'

2.2.4 Structural Geology

No faults have been identified within 250m of the site.

2.2.5 Historical Boreholes

Borehole logs freely available from the BGS digital borehole record viewer have been consulted to summarise the likely ground conditions at the site. There is borehole record within 250m of the site, however, the record is confidential and is inaccessible

2.2.6 Geological Hazard Ratings

The Envirocheck Data Sheet provides ground stability data for the site and surrounding area, a summary is provided in Table 2.2 below:

Table 2.2 - Summary of BGS Hazard Ratings

Hazard	Located	Direction	Hazard Potential
Potential for Collapsible Rocks Stability Hazards	On-site	-	Very Low
Potential for Landslide Ground Stability Hazards	On-site	-	Very Low
Potential for Ground Dissolution Stability Hazards	On-site	-	Negligible
Potential for Compressible Ground Stability Hazards	On-Site	-	Negligible
Potential for Running Sand Ground Stability Hazards	On-site	-	Negligible
Potential for Shrinking or Swelling Clay Ground Stability Hazards	On-site	-	Moderate

2.3 Mining

2.3.1 BGS Mineral Sites

One record of a man-made mining cavity is identified 97m north west of the site, relating to a shaft entry for sand/clay mining.

2.3.2 Brine Extraction

No Brine Extraction Areas have been identified within a 250m radius of the site.

2.3.3 Coal Mining

The site does not lie within a Coal Authority standing advice or reporting area.

2.4 Hydrogeology

2.4.1 Aquifer Units

The Lambeth Group and Thames Group bedrock deposits are classified as Unproductive Strata, defined by the Environment Agency as '*These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.*'

2.4.2 Groundwater Vulnerability

The site is located within a Source Protection Zone 2 (Outer Protection Zone).

The soils are classified as being of Low Leaching Potential meaning soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal, or they have large ability to attenuate diffuse pollutants.

2.4.3 Groundwater Abstractions

No groundwater abstraction licences have been identified within 250m of the site.

2.5 Hydrology

2.5.1 Nearest Surface Water Course

The nearest surface water course is recorded approximately 192m west of the site.

2.5.2 Surface Water Quality

No Environment Agency River Quality Records have been identified within 250m of the site.

2.5.3 Surface Water Abstractions

No licensed surface water abstraction points are recorded within a 250m radius of the site.

2.5.4 Surface Water Discharge Consents

No surface water discharge consents are recorded within a 250m radius of the site.

2.6 Flood Risk

The site does not lie within an Environment Agency Zone 2 or Zone 3 floodplain.

The site does not lie within an area benefitting from flood defences or within an area used for flood storage.

Although the report provides information on flood risk this does not constitute a flood risk assessment for the site. The flood risk information provided only relates to flooding from Rivers or Seas and does not account for flooding from other sources such as groundwater, blockages in drainage systems, artificial water features and overland flow. A separate Flood Risk Assessment may be required for the site.

2.7 Radon

The property is not recorded to be within a radon affected area as less than 1% of properties are above the action level. Radon protective measures are therefore not required in the construction of new buildings or extensions at the site.

2.8 Sensitive Land Uses, Ecological and Statutory Designations

The site lies within a Nitrate Vulnerable Zone.

One Site of Special Scientific Interest (SSSI) are located within 250m of the site. The record relates to Ruislip Woods approximately 3m south of the site. The site is also a National Nature Reserve and area of Adopted Green Belt.

An area of Ancient Woodland is recorded 161m west of the site, identified as Park Wood.

No other records of sensitive land use (SAC, Nature Reserves, Environmentally Sensitive Areas, etc) have been identified within a 500m radius of the site.

3. Site History

The following section details the historical development of the site, with reference to historical Ordnance Survey maps. All distances are approximate and given from the site boundary. Descriptions in italics are as identified on the historical plans. For a complete list of maps consulted refer to the Envirocheck Historical Maps presented in Appendix V.

Table 3.1 - Summary of Historical Maps

Published Map Date & Scale	Land Use on Site	Surrounding Land Use
Date : 1864 - 1868 Scale: 1:2,500 1:10,560 County Series	The site is part of a woodland.	<i>Frog Lane</i> is recorded approximately 110m east of the site. The surrounding land use is predominantly recorded as open fields and woodland.
Date : 1935 - 1938 Scale: 1:2,500 1:10,560 County Series	The trees are recorded more sparsely on site compared to previous mapping.	A pond is recorded approximately 180m west of the site. <i>Frog Lane</i> is recorded as <i>Fore Street</i> .
Date : 1960 - 1965 Scale: 1:2,500 1:10,560 County Series	The woodland is no longer recorded on site, rough grassland is now recorded.	A strip of earthworks is recorded from the north to the east of the site, approximately 90m away at its closest point. An area of woodland has been cleared to the west of the site boundary. Residential development has occurred to the east and south.
Date : 1990 - 1993 Scale: 1:2,500 1:10,560 Ordnance Survey National Grid	<i>Grangewood School</i> is recorded on site.	An <i>Electricity Sub Station</i> is recorded approximately 10m south of the site.
Date : 2018 Scale: 1:10,000 Vector Mapping	No significant changes identified.	No significant changes identified.

4. Environmental Data

4.1 Polluting Activity

4.1.1 Pollution Incidents to Controlled Water

No Environment Agency Recorded Pollution Incidents to Controlled Water are recorded within a 250m radius of the site.

4.2 Licensed Industrial Activity

4.2.1 Licensed Sites

No Integrated Pollution Prevention and Controls, Environment Agency or Local Authority Integrated Pollution Controls, Environmental Permits or Enforcements are recorded within a 250m radius of the site.

There are no Registered Radioactive Substance Licences recorded within 250m of the site.

No Part A (2) or Part B Activity has been identified within a 250m radius of the site.

4.2.2 Current Industrial Activities

No current industrial activities are recorded within a 250m radius of the site.

4.2.3 Fuel Stations & Tanks

No fuel station entries have been identified within a 250m radius of the site.

There are no records of high pressure underground pipelines (oil and gas) within 250m of the site.

4.3 Waste and Material Storage Locations

4.3.1 Landfill

There are no Historical Landfill Sites or Licensed Waste Management Facilities recorded within a 250m radius of the site.

4.3.2 Waste Transfer Stations

No operational or non-operational Registered Waste Treatment, Transfer or Disposal sites have been identified within a 250m radius of the site.

4.4 Summary

Based on the information collated for the desk study, the geo-environmental setting of the site is summarised as follows:

- The site is shown as part of a woodland from 1864 up until 1990 when *Grangewood School* is recorded, still present on the most recent mapping (2018).
- Historically the area around the site was predominantly woodland and agricultural, before residential development occurred to the west and south from 1935 to 1965. Earthworks are recorded to the north east of the site from 1960 and still recorded on the most recent mapping.
- The site is underlain by bedrock of the Lambeth Group and Thames Group.
- Made ground is not indicated within the site boundary on the published geological mapping, however made ground associated with the development of the site may be present.
- The underlying Lambeth Group and Thames Group bedrock geology are designated as Unproductive Strata.

Based on the above, the environmental sensitivity of the site can be considered to be Low at this stage.

5. Preliminary Conceptual Site Model (PCSM)

5.1 Introduction

The UK approach to risk assessment for both 'Contaminated Land' as defined by Part 2A of the Environmental Protection Act 1990 (EPA 1990) and for 'land affected by contamination' as defined in National Planning Policy Framework Planning Practice Guidance follows a risk-based tiered framework published by Defra and the Environment Agency in their guidance document '*CLR11 Model Procedures for the Management of Land Contamination*'.

The basis of CLR11 is the development of the conceptual site model (CSM) which is the representation of the source-pathway-receptor (pollutant) linkages upon which the assessment of risk can be based.

5.2 Risk Assessment Approach

The approach to the human health risk assessment reported here follows the principals given in CRL 11, i.e. application of the following assessment hierarchy:

- Tier 1 risk screening by establishment of potential pollutant linkages, i.e. the preliminary conceptual site model (PCSM), or
- Tier 2 generic quantitative assessment using generic assessment criteria (GACs) that represent 'acceptably low' risk, or
- Tier 3 quantitative risk assessment using site specific assessment criteria (SSACs) that represent 'unacceptable risk', or where generic assessment criteria are not available or they are not applicable to the CSM.

The potential sources of contamination based on historical and current land uses were identified using the Envirocheck Datasheet (Appendix III) and Department of the Environment Industry Profiles. In the absence of a standard exposure scenario for a school environment, a conservative standard exposure scenario of residential without home-grown produce has been used to identify potential exposure pathways for human health receptors. Controlled water, flora and fauna and property receptors have also been included within the PCSM.

5.3 Preliminary Conceptual Site Model

The PCSM was produced by undertaking a Source-Pathway-Receptor analysis of the site:

Sources (**S**) are potential or known contaminant sources, e.g. a former land use;

Pathways (**P**) are environmental systems through which a contaminant could migrate, e.g. air, groundwater;

Receptors (**R**) are sensitive environmental receptors that could be adversely affected by a contaminant, e.g. Site Occupiers, groundwater resources.

For a pollutant linkage to exist between a contaminant source and a receptor, a pathway must be present.

5.3.1 Sources

The potential sources of contamination within 250m of the site and associated groups of potentially contaminative substances are outlined below. The list of potential contaminants was derived from the Department of the Environment Industry Profiles. The activities and substances listed below should not be considered exhaustive and provides a guide to the likely range of contaminants which may be present.

On Site

S1: Made Ground associated with development of the site.

Inorganic and organic contaminants including heavy metals, metalloids, phenols, ground gases and asbestos

Off Site

S2: Made Ground associated with development in the area and earthworks recorded to the north east of the site.

Inorganic and organic contaminants including heavy metals, metalloids, phenols, oil/fuel, ground gases and asbestos.

S3: Historical & Contemporary Land Use: Woodland/Agricultural land

Inorganic and organic contaminants including pesticides, oils and fuels

5.3.2 Pathways

The site is underlain by Unproductive Strata

P1: Human uptake;

- Dermal contact with soils and dust
- Ingestion of soils and dust
- Inhalation of soils, dust and vapour

P2: Horizontal and vertical migration of contaminants through potentially permeable soils

P3: Migration along preferential pathways via underground services and drainage runs (pipes, culverts and granular material)

P4: Overland flow / surface runoff

P5: Vertical and lateral migration of ground gases and/or vapour

P6: Root uptake

5.3.3 Receptors

R1: End Users: Proposed school development

R2: Construction and maintenance workers

R3: Controlled Water, Unproductive Strata

R4: Property: Services (e.g. drinking water supply pipes) and structures/buildings (concrete used in foundations)

R5: Adjacent residential properties

R6: Proposed flora and fauna

5.3.4 Preliminary Qualitative Risk Assessment

For each potential pollutant linkage identified within the PCSM, the potential risk has been assessed on the probability of a pollution event and the severity it may have on the identified receptors. The results are presented in Table 5.1 below. The methodology for the assessment is presented in Appendix VI.

Table 5.1 Preliminary Conceptual Site Model and Qualitative Risk Assessment

Source	Pathway	Receptor	Consequence	Probability	Risk	Comments
On site S1: Made Ground associated with development of the site.	<p>P1: Human uptake pathways</p> <p>P2: Horizontal and vertical migration of contaminants through potentially permeable soils and rocks.</p> <p>P3: Migration of contaminants along preferential pathways (man- made).</p> <p>P4: Surface runoff.</p>	<p>R1: End Users</p> <p>R2: Construction and maintenance workers</p> <p>R3: Controlled Water: Unproductive Strata</p>	<p>Mild</p> <p>Minor</p>	<p>Low Likelihood</p> <p>Unlikely</p>	<p>Low</p> <p>Very Low</p>	<p>It is possible that end users / construction workers will come into contact with the soils. Made ground associated with the development of the site may be present on site and there is a risk of contamination associated with off-site sources in the form of earthworks to the north east. Therefore, the risk is considered to be LOW until the risks have been assessed following ground investigation and chemical analysis.</p> <p>The underlying geology is expected to comprise potentially fine soils comprising bedrock of the Lambeth Group and Thames Group which are classified as Unproductive Strata. Made Ground associated with the development of the site may be a potential source of contamination. Based on the information available, the risk to surface water and groundwater is considered to be VERY LOW</p>
Off Site (within 250m) S2: Made Ground associated with development in the area and earthworks recorded to the north east of the site. S3: Historical & Contemporary Land Use: Woodland/Agricultural land	<p>P2: Horizontal and vertical migration of contaminants through potentially permeable soils and rocks.</p> <p>P3: Migration of contaminants along preferential pathways (man- made).</p> <p>P4: Surface runoff.</p> <p>P5: Vertical and lateral migration of ground gases and/or vapour.</p> <p>P2: Horizontal and vertical migration of contaminants through potentially permeable soils and rocks.</p> <p>P3: Migration of contaminants along preferential pathways (man- made).</p> <p>P4: Surface runoff.</p> <p>P5: Vertical and lateral migration of ground gases and/or vapour.</p> <p>P6: Root uptake.</p>	<p>R1: End Users</p> <p>R2: Construction and maintenance workers</p> <p>R4: Property, services and substructures</p> <p>R5: Adjacent Residential Properties</p> <p>R6: Proposed Flora and fauna</p>	<p>Medium</p> <p>Medium</p> <p>Mild</p>	<p>Low Likelihood</p> <p>Low</p> <p>Low</p>	<p>Low/ Moderate</p> <p>Low</p> <p>Low</p>	<p>It is likely that Made Ground and natural deposits may contain sulphates therefore presenting a risk to buried concrete.</p> <p>Made ground associated with development of the site may be present on site, which would be deemed to be a potential source of ground gases. Based on the information available at this stage the risk is considered to be LOW/MODERATE.</p>
						<p>There is unlikely to be any vegetable planting or fruit bearing trees. Provided this remains the case the risk of uptake to proposed flora and fauna is LOW.</p>

6. Preliminary Engineering Constraints and Recommendations

Gleeds Management Services Ltd and the ESFA propose to demolish the existing school and construct a new teaching facility with associated hard and soft play areas. Development plans are included in Appendix I.

6.1 Geotechnical Constraints

Made ground is not shown on BGS mapping but made ground associated with development of the site may be present. Made ground would have unknown composition and strength.

The groundwater regime on site is unknown and should be assessed further.

From northwest, to the north and around to the east a large number of semi-mature and mature almost extensively deciduous trees are present both within and beyond the site boundary. A tree survey is currently being carried out to identify the type of trees to determine their impact on foundation design.

The soils on site are likely to be frost susceptible; therefore, foundation depths should be designed to avoid damage from frost action.

6.2 Environmental Constraints

Any made ground on site may contain elevated concentrations of potentially harmful contaminants which may present a risk to the receptors identified in the PCSM including controlled waters, end users, adjacent residential properties or construction workers.

Made ground associated with the development of the site may be present, this would present a risk of ground gas. The risk should be assessed during the investigation and monitoring wells installed if necessary.

The Preliminary Conceptual Site Model indicates a low to moderate possibility that harm could arise to a designated receptor from identified hazards.

6.3 Recommendations

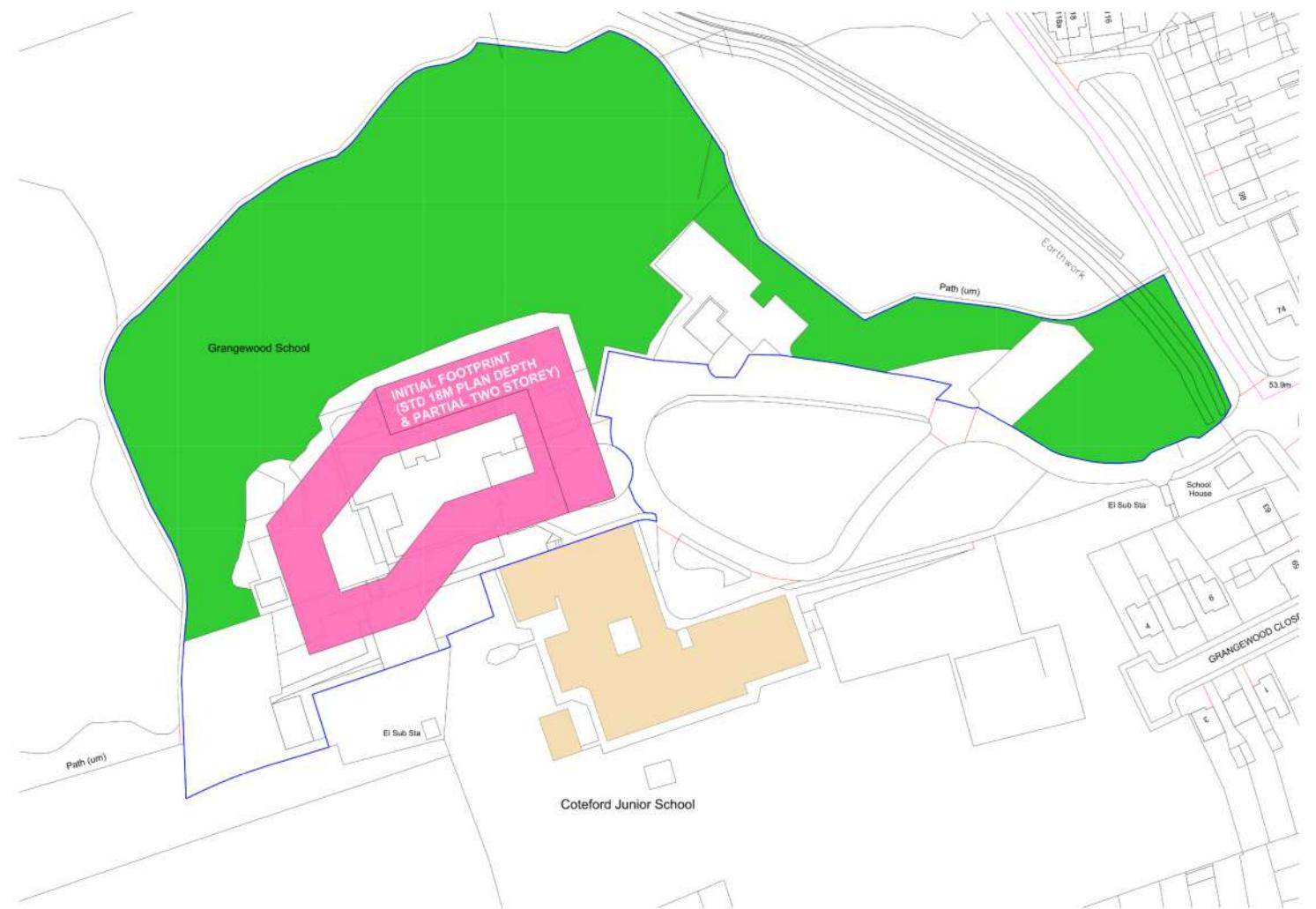
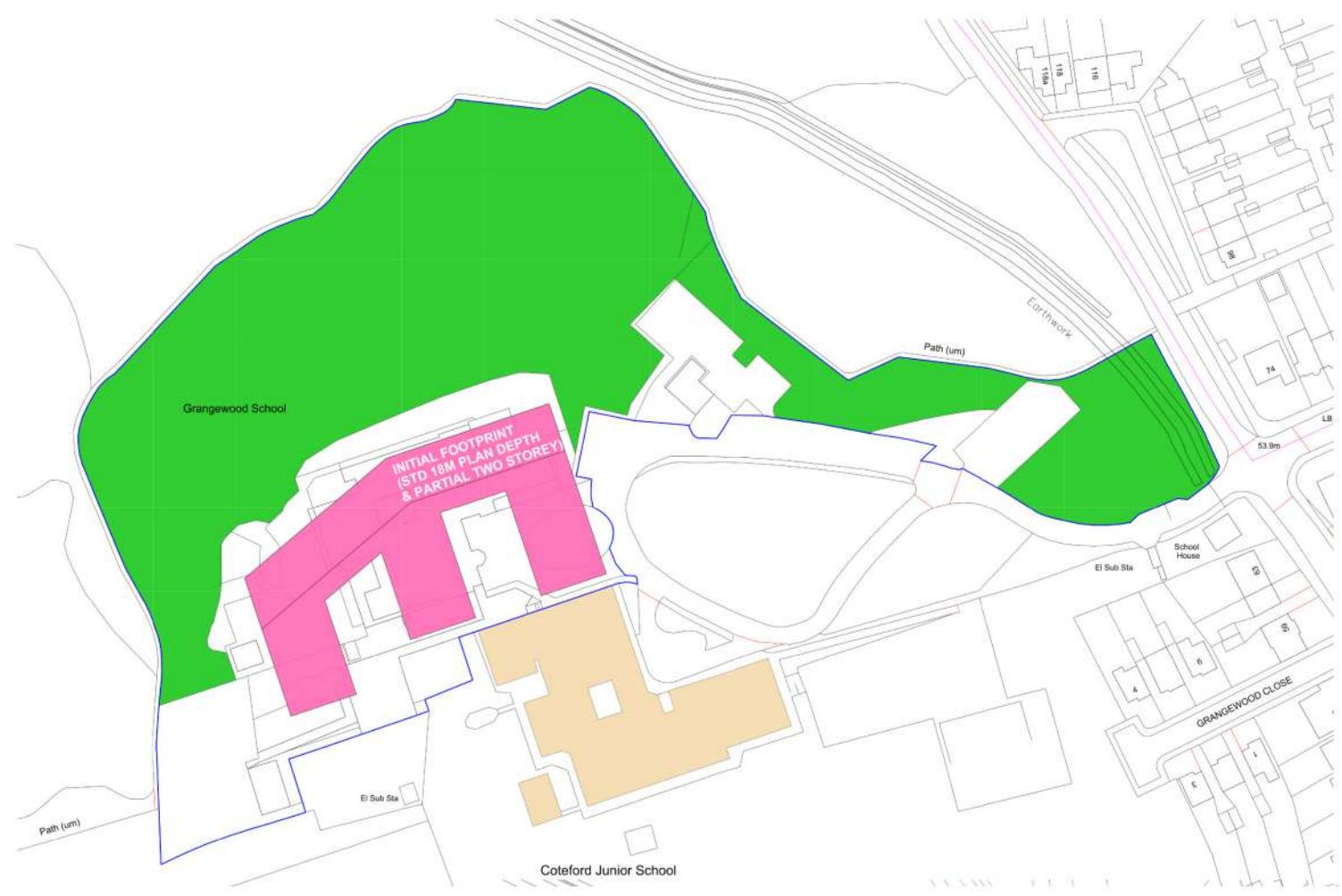
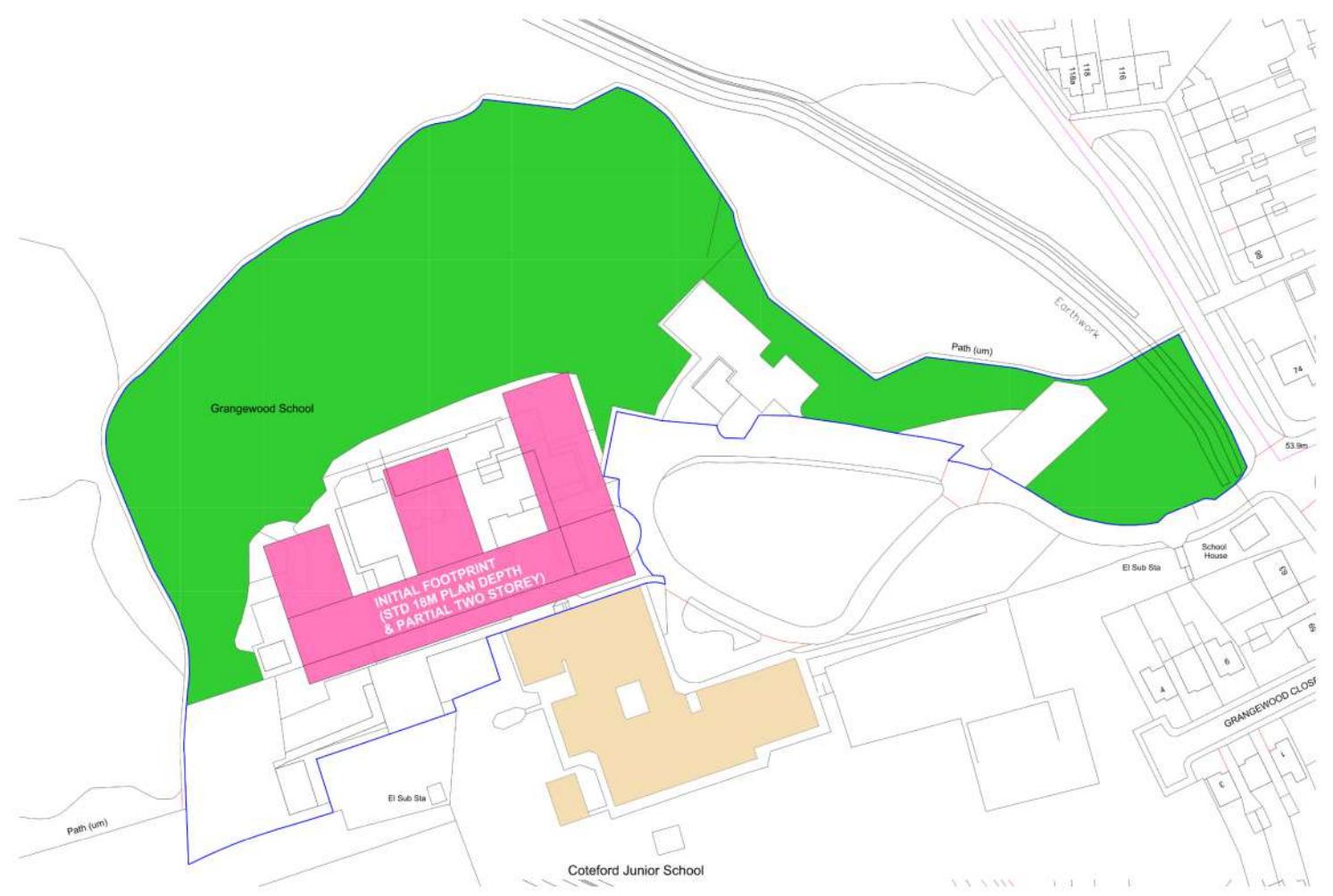
A ground investigation is recommended to assess the geo-environmental constraints identified on site by this desk study. The objectives of the investigation should be as follows:

- To establish the ground conditions laterally and vertically across the site, including the presence, distribution and composition of any made ground.
- To obtain soil samples for contamination analysis in order to refine the PCSM and undertake generic quantitative risk assessment.
- To obtain data on the groundwater regime.
- To obtain geotechnical design parameters for the proposed building including in-situ and laboratory testing.
- To assess if the soils and groundwater on site are likely to be aggressive to buried/surface concrete and proposed utilities.



Appendix I







Appendix II





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Client	Scale NTS	Rev.	By	Date	Details	Chkd
		Drawing Status		INFORMATION		
Gleeds Advisory Ltd						
	Date March 2018					
Project	Drawn By					
Grangewood School	MPK					
	Checked By					
	MPK					
Title	HSP Drg. No.	Rev.				
Site Location Plan	C2734-501					

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Appendix III



Envirocheck® Report: Datasheet

Order Details:

Order Number:
158079609_1_1

Customer Reference:
C2734

National Grid Reference:
509920, 188820

Slice:
A

Site Area (Ha):
0.65

Search Buffer (m):
1000

Site Details:

Grangewood Junior School, Fore Street
PINNER
HA5 2JQ

Client Details:

Mr D Simpson
HSP Consulting Engineers
Lawrence House
Meadowbank
Eastwood
Nottinghamshire
NG16 3SB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	14
Hazardous Substances	-
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1			Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1		Yes		
Pollution Incidents to Controlled Waters	pg 1			7	26
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6			1	
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions	pg 7				(*6)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 8	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 8	2			1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 9		6	6	27

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 14	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 14			2	5
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 15	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 15				Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 15		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 18	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities	pg 18		1		
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 18	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 18	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 19		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 19	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 20			7	20
Fuel Station Entries	pg 22				1
Points of Interest - Commercial Services	pg 22				6
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 22				1
Points of Interest - Public Infrastructure	pg 22			1	9
Points of Interest - Recreational and Environmental	pg 23			2	
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 24		1		
Areas of Adopted Green Belt	pg 24		1		1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 24				1
Marine Nature Reserves					
National Nature Reserves	pg 24		1		
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 24	1			
Ramsar Sites					
Sites of Special Scientific Interest	pg 24		1		
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	309	1	510050 188500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	361	1	509917 188400
1	Local Authority Pollution Prevention and Controls Name: Q8 Eastcote Location: High Road, Eastcote, PINNER, Middlesex, HA5 2ET Authority: London Borough of Hillingdon, Environmental Health Department Permit Reference: EPA/SS/1/028/02/1998 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A14SW (SE)	532	2	510391 188494
	Nearest Surface Water Feature	A13NW (W)	192	-	509678 188857
2	Pollution Incidents to Controlled Waters Property Type: Not Given Location: RUISLIP Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Yes Incident Date: 2nd August 1990 Incident Reference: N1900427 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	395	3	510200 188500
3	Pollution Incidents to Controlled Waters Property Type: Not Given Location: RUISLIP Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 24th February 1993 Incident Reference: N1930066 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	421	3	510100 188400
4	Pollution Incidents to Controlled Waters Property Type: Not Given Location: EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 9th February 1995 Incident Reference: N1950062 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	428	3	510001 189301
5	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Fore Street, EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 18th May 1997 Incident Reference: THN1997032178 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	437	3	510200 188450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 9th August 1990 Incident Reference: N1900457 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	443	3	510400 188700
7	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Fore Street, RUISLIP Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 23rd July 1991 Incident Reference: N1910399 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	481	3	510400 188600
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: RUISLIP Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 20th September 1992 Incident Reference: N1920492 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	494	3	509700 188300
9	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 16th May 1995 Incident Reference: N1950259 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	526	3	510500 188795
9	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE VILLAGE Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 12th July 1994 Incident Reference: N1940264 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	526	3	510500 188800
10	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Fore Street Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 14th February 1992 Incident Reference: N1920086 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	534	3	510300 188400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: High Road, Eascole Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 4th August 1996 Incident Reference: N1960413 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	539	3	510390 188480
12	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Behind 10 Meadow Close Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 7th September 1989 Incident Reference: N1890468 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	566	3	509800 188200
13	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: High Street, EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 18th August 1994 Incident Reference: N1940293 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	571	3	510500 188600
13	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: High Road, Eascole Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 18th August 1995 Incident Reference: N1950455 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	573	3	510500 188595
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Kings College Road, RUISLIP Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Other Note: Not Supplied Incident Date: 3rd March 1996 Incident Reference: N1960091 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	582	3	509600 188250
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: RUISLIP Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 10th June 1994 Incident Reference: N1940218 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	626	3	509600 188200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: RUISLIP Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 17th December 1995 Incident Reference: N1950656 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	631	3	509600 188195
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Meadow Close, RUISLIP Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 15th September 1989 Incident Reference: N1890484 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	588	3	509700 188200
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Kings College, RUISLIP Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed incident Incident Date: 19th May 1999 Incident Reference: THNE1999043060 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	593	3	509700 188195
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Fore Street, RUISLIP Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 27th November 1990 Incident Reference: N1900625 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	617	3	510500 188500
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: High Street, EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 20th February 1997 Incident Reference: THN11997031079 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	620	3	510500 188495
17	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: Not Supplied Incident Reference: N1900523 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	617	3	510300 188300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: RUISLIP Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 17th March 1991 Incident Reference: N1910131 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	677	3	509500 188200
19	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Lime Grove, EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 14th March 1996 Incident Reference: N1960112 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	686	3	510350 188250
20	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Hurne Way, EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Not Supplied Incident Date: 22nd August 1997 Incident Reference: THN11997029525 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	784	3	510450 188200
21	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Highgrove Swimming, RUISLIP Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Not Supplied Incident Date: 16th January 1997 Incident Reference: THN11997030903 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SE (SE)	827	3	510250 188020
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 19th June 1995 Incident Reference: N1950317 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	829	3	510800 188895
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE VILLAGE Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 30th March 1994 Incident Reference: N1940123 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	829	3	510800 188900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: 225 Rodney Gardens, Eascote Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 12th April 1996 Incident Reference: N1960178 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14NE (E)	834	3	510805 188895
23	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE VILLAGE Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Confirmed incident Incident Date: 30th April 1999 Incident Reference: THNE1999042828 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	832	3	510600 189400
24	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: EASTCOTE Authority: Environment Agency, Thames Region Pollutant: General Note: No Pollution Found Incident Date: 30th October 1998 Incident Reference: THNE1998040980 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9NE (SE)	884	3	510750 188400
25	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Linslade Close, PINNER Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 9th April 1996 Incident Reference: N1960163 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A19NE (NE)	898	3	510600 189500
26	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Hume Way, RUISLIP Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 16th July 1996 Incident Reference: N1960371 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	908	3	510450 188050
	<p>River Quality</p> <p>Name: Pinn GQA Grade: River Quality B Reach: Harrow Weald - Cannon Bk Estimated Distance (km): 10.4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000</p>	A8NE (S)	419	3	510074 188385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Affinity Water Limited Licence Number: 28/39/28/0336 Permit Version: 102 Location: Ruislip Pumping Station Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th November 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16SW (W)	1418	3	508500 189200
	<p>Water Abstractions</p> <p>Operator: Veolia Water Central Limited Licence Number: 28/39/28/0336 Permit Version: 101 Location: Ruislip Pumping Station Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th July 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16SW (W)	1418	3	508500 189200
	<p>Water Abstractions</p> <p>Operator: Three Valleys Water Plc Licence Number: 28/39/28/0336 Permit Version: 100 Location: Ruislip Pumping Station Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 11365 Yearly Rate (m3): 1 Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Chalk (Undifferentiate) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th June 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SW (W)	1418	3	508500 189200
	<p>Water Abstractions</p> <p>Operator: Affinity Water Limited Licence Number: 28/39/28/0336 Permit Version: 102 Location: Poors Field Pumping Station Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th November 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A21SE (NW)	1441	3	508900 189900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Veolia Water Central Limited Licence Number: 28/39/28/0336 Permit Version: 101 Location: Poors Field Pumping Station Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th July 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A21SE (NW)	1441	3	508900 189900
	<p>Water Abstractions</p> <p>Operator: Three Valleys Water Plc Licence Number: 28/39/28/0336 Permit Version: 100 Location: Poors Field Pumping Station Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 27276 Yearly Rate (m3): 1 Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Chalk (Undifferentiate Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th June 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A21SE (NW)	1441	3	508900 189900
	<p>Groundwater Vulnerability</p> <p>Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 39 West London Scale: 1:100,000</p>	A13SW (S)	0	3	509916 188783
	<p>Groundwater Vulnerability</p> <p>Soil Classification: Not classified Map Sheet: Sheet 39 West London Scale: 1:100,000</p>	A13NW (N)	0	3	509917 188820
	<p>Drift Deposits</p> <p>None</p>				
	<p>Bedrock Aquifer Designations</p> <p>Aquifer Designation: Unproductive Strata</p>	A13NW (N)	0	1	509917 188820
	<p>Superficial Aquifer Designations</p> <p>No Data Available</p>				
27	<p>Source Protection Zones</p> <p>Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.</p>	A13NW (N)	0	3	509917 188820
28	<p>Source Protection Zones</p> <p>Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.</p>	A13NW (N)	0	3	509917 188820
29	<p>Source Protection Zones</p> <p>Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.</p>	A17SE (NW)	708	3	509407 189369
	<p>Extreme Flooding from Rivers or Sea without Defences</p> <p>None</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 677.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NE (NE)	177	4	510013 189043
31	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (W)	204	4	509669 188872
32	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	212	4	509914 189086
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (W)	214	4	509662 188884
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 924.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (W)	216	4	509661 188889
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13NW (N)	220	4	509908 189093
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 456.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	407	4	509750 189238
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 231.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	411	4	509836 189272

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 687.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Pinn Catchment Name: Thames Primacy: 1	A8NE (S)	423	4	510038 188368
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8NE (S)	423	4	510038 188368
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 788.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Pinn Catchment Name: Thames Primacy: 1	A8NE (S)	423	4	510049 188372
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 449.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14NW (E)	458	4	510412 188969
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SW (E)	562	4	510536 188816
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SW (E)	567	4	510541 188812
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A19SW (NE)	607	4	510459 189213
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14NW (E)	643	4	510586 189032
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Pinn Catchment Name: Thames Primacy: 1	A14SE (E)	648	4	510622 188796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 78.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A14NE (E)	699	4	510659 188975
48	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 165.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A7NE (SW)	701	4	509289 188384
49	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A14NE (E)	702	4	510676 188856
50	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A14NE (E)	703	4	510676 188861
51	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 493.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Pinn Catchment Name: Thames Primacy: 1</p>	A14NE (E)	704	4	510677 188855
52	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 168.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A7NE (SW)	724	4	509374 188242
53	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A19SW (NE)	759	4	510571 189318
54	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A19SW (NE)	760	4	510573 189318
55	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 748.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A19SW (NE)	769	4	510573 189332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 29.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A19SW (NE)	769	4	510573 189332
57	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A7SE (SW)	795	4	509450 188092
58	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2</p>	A19SW (NE)	796	4	510591 189353
59	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A19SW (NE)	796	4	510591 189353
60	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 193.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A19SW (NE)	799	4	510591 189358
61	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A7SE (SW)	799	4	509449 188087
62	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 510.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Pinn Catchment Name: Thames Primacy: 1</p>	A7SE (SW)	801	4	509451 188084
63	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 36.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2</p>	A14NE (E)	897	4	510856 188996
64	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 38.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A19NW (NE)	922	4	510329 189718

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 57.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A9SW (SE)	924	4	510384 187984
66	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A9SW (SE)	950	4	510445 187993
67	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 59.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2</p>	A9SW (SE)	961	4	510497 188017
68	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 30.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1</p>	A17SW (NW)	995	4	509012 189337

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: London Borough of Hillingdon - Has not been able to supply Landfill data		0	2	509917 188820
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NE (NE)	309	-	510241 188993
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18SE (NE)	336	-	510078 189188
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NW (E)	553	-	510527 188834
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1916	A19SW (NE)	570	-	510377 189257
73	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1916	A7SE (SW)	770	-	509514 188082
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NE (E)	796	-	510769 188855
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1916	A7SE (SW)	818	-	509432 188076

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lambeth Group	A13SE (S)	0	1	509923 188800
	BGS 1:625,000 Solid Geology Description: Thames Group	A13NW (N)	0	1	509917 188820
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic no data Concentration: Cadmium <1.8 mg/kg Concentration: Chromium no data Concentration: Lead Concentration: <100 mg/kg Nickel no data Concentration:	A12NW (W)	865	1	509000 188820
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 509733, 188744 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 17.80 mg/kg Concentration: Cadmium Measured 0.40 mg/kg Concentration: Chromium Measured 91.40 mg/kg Concentration: Lead Measured 163.10 mg/kg Concentration: Nickel Measured 18.00 mg/kg Concentration:	A13SW (W)	145	1	509733 188744
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 510295, 188748 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 17.40 mg/kg Concentration: Cadmium Measured 1.00 mg/kg Concentration: Chromium Measured 86.60 mg/kg Concentration: Lead Measured 301.00 mg/kg Concentration: Nickel Measured 36.50 mg/kg Concentration:	A14SW (E)	329	1	510295 188748
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 509729, 189236 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.50 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 80.30 mg/kg Concentration: Lead Measured 65.40 mg/kg Concentration: Nickel Measured 14.20 mg/kg Concentration:	A18SW (NW)	414	1	509729 189236

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 510215, 189215 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.20 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 75.20 mg/kg Concentration: Lead Measured 112.00 mg/kg Concentration: Nickel Measured 32.10 mg/kg Concentration:</p>	A18SE (NE)	428	1	510215 189215
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 509754, 188256 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 25.80 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 116.30 mg/kg Concentration: Lead Measured 75.80 mg/kg Concentration: Nickel Measured 55.20 mg/kg Concentration:</p>	A8NW (S)	520	1	509754 188256
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 510217, 188249 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 12.10 mg/kg Concentration: Cadmium Measured 0.90 mg/kg Concentration: Chromium Measured 61.30 mg/kg Concentration: Lead Measured 136.90 mg/kg Concentration: Nickel Measured 20.30 mg/kg Concentration:</p>	A8NE (SE)	610	1	510217 188249
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 509231, 188794 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 21.30 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 74.70 mg/kg Concentration: Lead Measured 80.20 mg/kg Concentration: Nickel Measured 19.40 mg/kg Concentration:</p>	A12SW (W)	635	1	509231 188794
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 509238, 189223 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 18.40 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 86.80 mg/kg Concentration: Lead Measured 65.20 mg/kg Concentration: Nickel Measured 18.20 mg/kg Concentration:</p>	A17SW (NW)	742	1	509238 189223

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 510744, 188690 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 25.20 mg/kg Concentration: Cadmium Measured 0.40 mg/kg Concentration: Chromium Measured 75.80 mg/kg Concentration: Lead Measured 95.40 mg/kg Concentration: Nickel Measured 28.10 mg/kg Concentration:</p>	A14SE (E)	781	1	510744 188690
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 510246, 189653 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 19.30 mg/kg Concentration: Cadmium Measured 3.80 mg/kg Concentration: Chromium Measured 95.50 mg/kg Concentration: Lead Measured 288.90 mg/kg Concentration: Nickel Measured 30.00 mg/kg Concentration:</p>	A18NE (N)	830	1	510246 189653
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 510742, 189205 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 13.10 mg/kg Concentration: Cadmium Measured 0.70 mg/kg Concentration: Chromium Measured 83.40 mg/kg Concentration: Lead Measured 80.00 mg/kg Concentration: Nickel Measured 19.30 mg/kg Concentration:</p>	A19SE (NE)	852	1	510742 189205
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 510724, 188357 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 14.60 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 68.90 mg/kg Concentration: Lead Measured 100.70 mg/kg Concentration: Nickel Measured 16.00 mg/kg Concentration:</p>	A9NE (SE)	883	1	510724 188357
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 509722, 189743 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 15.00 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 92.40 mg/kg Concentration: Lead Measured 65.10 mg/kg Concentration: Nickel Measured 25.80 mg/kg Concentration:</p>	A18NW (N)	895	1	509722 189743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Measured Urban Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service Grid: 509225, 188148 Soil Sample Type: Topsoil Sample Area: London Arsenic Measured 16.10 mg/kg Concentration: Cadmium Measured 0.50 mg/kg Concentration: Chromium Measured 94.10 mg/kg Concentration: Lead Measured 71.00 mg/kg Concentration: Nickel Measured 33.00 mg/kg Concentration:</p>	A7NW (SW)	896	1	509225 188148
	<p>BGS Urban Soil Chemistry Averages</p> <p>Source: British Geological Survey, National Geoscience Information Service Sample Area: London Count Id: 7209 Arsenic Minimum 1.00 mg/kg Concentration: Arsenic Average 17.00 mg/kg Concentration: Arsenic Maximum 161.00 mg/kg Concentration: Cadmium Minimum 0.10 mg/kg Concentration: Cadmium Average 0.90 mg/kg Concentration: Cadmium Maximum 165.20 mg/kg Concentration: Chromium Minimum 13.00 mg/kg Concentration: Chromium Average 79.00 mg/kg Concentration: Chromium Maximum 2094.00 mg/kg Concentration: Lead Minimum 11.00 mg/kg Concentration: Lead Average 280.00 mg/kg Concentration: Lead Maximum 10000.00 mg/kg Concentration: Nickel Minimum 2.00 mg/kg Concentration: Nickel Average 28.00 mg/kg Concentration: Nickel Maximum 506.00 mg/kg Concentration:</p>	A13NW (N)	0	1	509917 188820
	<p>Coal Mining Affected Areas</p> <p>In an area that might not be affected by coal mining</p>				
	<p>Man-Made Mining Cavities</p> <p>Easting: 509800 Northing: 188900 Distance: 97 Quadrant Reference: A13 Quadrant Reference: NW Bearing Ref: NW Cavity Type: Reference to Shaft Entry Sand/Clay mining Commodity: Sand, Clay Solid Geology Detail: London Clay, Lambeth Group, Upper Chalk Formation Superficial Geology Detail: No Details</p>	A13NW (NW)	97	5	509800 188900
	<p>Non Coal Mining Areas of Great Britain</p> <p>Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (N)	0	1	509917 188820
	<p>Non Coal Mining Areas of Great Britain</p> <p>Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (E)	26	1	510000 188820
	<p>Potential for Collapsible Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NW (N)	0	1	509917 188820
	<p>Potential for Collapsible Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A13NE (E)	26	1	510000 188820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	509917 188820
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	26	1	510000 188820
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	509917 188820
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	26	1	510000 188820
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	509917 188820
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	26	1	510000 188820
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	509917 188820
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	26	1	510000 188820
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	70	1	509981 188748
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	72	1	510000 188757
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	509917 188820
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	26	1	510000 188820
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	509917 188820
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	509917 188820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	Contemporary Trade Directory Entries Name: D S Recycling Ltd Location: 9, Lovatt Drive, Ruislip, Middlesex, HA4 7UX Classification: Recycling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	256	-	509996 188531
77	Contemporary Trade Directory Entries Name: Northolt Scrap Location: The Yard, Fore St, Pinner, Middlesex, HA5 2HX Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	281	-	510195 188650
78	Contemporary Trade Directory Entries Name: Quantum Xpress Location: 49 Salisbury Rd, Pinner, Middlesex, HA5 2NJ Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	317	-	510104 189155
78	Contemporary Trade Directory Entries Name: Ultraflex Location: 43, Salisbury Road, Pinner, Middlesex, HA5 2NJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	335	-	510136 189158
79	Contemporary Trade Directory Entries Name: Chris Stoneman Location: 119, Broadwood Avenue, Ruislip, Middlesex, HA4 7XU Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	321	-	509694 188499
80	Contemporary Trade Directory Entries Name: Elmbridge Contractors Ltd Location: 42, Elmbridge Drive, Ruislip, Middlesex, HA4 7UT Classification: Architectural Woodwork Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	347	-	510066 188465
81	Contemporary Trade Directory Entries Name: James Kent Cleaning Location: 164, Fore Street, Pinner, Middlesex, HA5 2NE Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	497	-	509924 189372
82	Contemporary Trade Directory Entries Name: Esso Location: High Road, Eastcote, Pinner, HA5 2ET Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	532	-	510391 188493
82	Contemporary Trade Directory Entries Name: M R H Service Station Location: High Road, Eastcote, Pinner, HA5 2ET Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	532	-	510391 188493
82	Contemporary Trade Directory Entries Name: Esso Location: High Road, Eastcote, Pinner, Middlesex, HA5 2ET Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	532	-	510391 188494
83	Contemporary Trade Directory Entries Name: Esso Location: High Road, Eastcote, Pinner, Middlesex, HA5 2ET Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SW (SE)	560	-	510447 188523
84	Contemporary Trade Directory Entries Name: Gold Trim Contracts Ltd Location: 7, Black Horse Parade, High Road, Eastcote, Pinner, Middlesex, HA5 2EN Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	611	-	510509 188527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Contemporary Trade Directory Entries Name: Cards 4 U Location: C, 3, High Road, Eastcote, Pinner, Middlesex, HA5 2EW Classification: Greeting Card Publishers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	657	-	510567 188539
85	Contemporary Trade Directory Entries Name: Terry'S Tyres Location: High Rd, Eastcote, Pinner, Middlesex, HA5 2EW Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	658	-	510565 188534
86	Contemporary Trade Directory Entries Name: Anicemanwithavan.Com Location: 2, Field End Road, Pinner, HA5 2QL Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	685	-	510625 188610
87	Contemporary Trade Directory Entries Name: Almana Contracts (Hire) Location: Flowers Av, Ruislip, Middlesex, HA4 8GH Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	699	-	510448 188310
88	Contemporary Trade Directory Entries Name: Clean Getaway Location: 17, Orchard Rise, Pinner, Middlesex, HA5 2NS Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	736	-	509641 189548
89	Contemporary Trade Directory Entries Name: Eurofreight Uk Ltd Location: 40, Campbell Close, Ruislip, Middlesex, HA4 8EL Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	789	-	510323 188105
90	Contemporary Trade Directory Entries Name: St Vincent'S Hospital Location: Wiltshire Lane, Pinner, Middlesex, HA5 2NB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	794	-	509496 189542
91	Contemporary Trade Directory Entries Name: Nano Vibronix Location: 14, Chamberlain Lane, Pinner, Middlesex, HA5 2PH Classification: Medical Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	808	-	510482 189488
92	Contemporary Trade Directory Entries Name: Digiplastics Location: The Grange Barn, Pikes End, Pinner, HA5 2EX Classification: Plastic Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	841	-	510798 189002
93	Contemporary Trade Directory Entries Name: Diamond Home Support Location: 176, Joel Street, Pinner, Middlesex, HA5 2PE Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	856	-	510221 189689
93	Contemporary Trade Directory Entries Name: Diamond Home Support Location: 176, Joel Street, Pinner, HA5 2PE Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	859	-	510224 189692
94	Contemporary Trade Directory Entries Name: Correct Impression Location: 30, Middleton Drive, Pinner, HA5 2PG Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	890	-	510447 189617

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	Contemporary Trade Directory Entries Name: Arwood Location: 28, Field End Road, Pinner, Middlesex, HA5 2QL Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (E)	911	-	510818 188480
96	Contemporary Trade Directory Entries Name: J F Graphics Design Location: Litcombe, Catlins Lane, Pinner, Middlesex, HA5 2EZ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	986	-	510924 189100
96	Contemporary Trade Directory Entries Name: J F Graphics Design Location: Litcombe, Catlins Lane, Pinner, Middlesex, HA5 2EZ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	986	-	510924 189100
97	Fuel Station Entries Name: Mrh Eastcote Location: Eastcote High Road, Eastcote, Pinner, Outer London, HA5 2ET Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A14SW (SE)	532	-	510391 188494
98	Points of Interest - Commercial Services Name: Mrh Eastcote Location: Eastcote High Road, Eastcote, Pinner, HA5 2ET Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	532	6	510391 188493
98	Points of Interest - Commercial Services Name: Car Wash Location: Eastcote High Road, Eastcote, Pinner, Middlesex, HA5 2ET Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	532	6	510391 188494
99	Points of Interest - Commercial Services Name: First Cars London Ltd Location: 4 High Road, Eastcote, Pinner, HA5 2EW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	658	6	510565 188534
100	Points of Interest - Commercial Services Name: Eurofreight UK Ltd Location: 40 Campbell Close, Ruislip, HA4 8EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	789	6	510323 188105
100	Points of Interest - Commercial Services Name: Euro Freight UK Ltd Location: 40 Campbell Close, Ruislip, HA4 8EL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	789	6	510323 188105
101	Points of Interest - Commercial Services Name: Thompson Ian Mobile Mechanic Location: 43 Park Avenue, Ruislip, HA4 7UL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NW (SW)	977	6	509063 188224
102	Points of Interest - Manufacturing and Production Name: Tank Location: HA5 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	867	6	509613 189678
103	Points of Interest - Public Infrastructure Name: D S Recycling Ltd Location: 9 Lovatt Drive, Ruislip, HA4 7UX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13SE (S)	256	6	509996 188531

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	Points of Interest - Public Infrastructure Name: Esso Location: High Road, Eastcote, Pinner, HA5 2ET Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	532	6	510391 188493
104	Points of Interest - Public Infrastructure Name: Esso Location: High Road, Eastcote, Pinner, HA5 2ET Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	532	6	510391 188494
104	Points of Interest - Public Infrastructure Name: Pace Eastcote Location: High Road, Eastcote, Pinner, HA5 2ET Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	532	6	510391 188494
104	Points of Interest - Public Infrastructure Name: MRH Eastcote Location: Eastcote High Road, Eastcote, Pinner, Middlesex, HA5 2ET Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	532	6	510391 188494
105	Points of Interest - Public Infrastructure Name: anicemanwithavan.com Location: 2 Field End Road, Pinner, HA5 2QL Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SE (E)	691	6	510630 188604
106	Points of Interest - Public Infrastructure Name: Clean Getaway Location: 17 Orchard Rise, Pinner, HA5 2NS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A18NW (N)	736	6	509641 189548
107	Points of Interest - Public Infrastructure Name: Outfall Location: HA5 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	766	6	510580 189317
107	Points of Interest - Public Infrastructure Name: Outfall Location: HA5 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	794	6	510577 189368
108	Points of Interest - Public Infrastructure Name: Outfall Location: HA5 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A15NW (E)	999	6	510959 188997
109	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	279	6	510054 188539
109	Points of Interest - Recreational and Environmental Name: Playground Location: Grooms Drive, HA5 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SE (SE)	279	6	510054 188539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Ancient Woodland Name: Park Wood Reference: 1495763 Area(m ²): 1008611.28 Type: Ancient and Semi-Natural Woodland	A13SW (W)	161	7	509713 188746
111	Areas of Adopted Green Belt Authority: London Borough of Hillingdon Plan Name: Hillingdon Unitary Development Plan Status: Adopted Plan Date: 30th September 1998	A13SE (S)	3	8	509921 188764
112	Areas of Adopted Green Belt Authority: London Borough of Hillingdon Plan Name: Hillingdon Unitary Development Plan Status: Adopted Plan Date: 30th September 1998	A14NW (NE)	601	8	510500 189129
113	Local Nature Reserves Name: Ruislip Multiple Area: N Area (m ²): 37366.67 Source: Natural England Designation Date: 1st January 1959	A9NW (SE)	681	7	510332 188244
114	National Nature Reserves Name: Ruislip Woods Multiple Areas: Y Total Area (m ²): 2954781.59 Source: Natural England Reference: 1006764 Designation Date: Not Supplied	A13SE (S)	3	7	509921 188764
115	Nitrate Vulnerable Zones Name: Colne And Guc (From Confluence With Chess To Ash) Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (N)	0	10	509917 188820
116	Sites of Special Scientific Interest Name: Ruislip Woods Multiple Areas: Y Total Area (m ²): 3074584.52 Source: Natural England Reference: 1003633 Designation Details: Local Nature Reserve Designation Date: 23rd April 1990 Date Type: Notified Designation Details: Local Wildlife Site Designation Date: 23rd April 1990 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 23rd April 1990 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 23rd April 1990 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 23rd April 1990 Date Type: Notified	A13SE (S)	3	7	509923 188764

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Watford Borough Council - Environmental Health Department Three Rivers District Council - Environmental Health Department London Borough of Hillingdon - Environmental Protection Unit London Borough of Ealing - Environmental Health and Trading Standards Division London Borough of Harrow - Environmental Health Services South Buckinghamshire District Council - Environmental Health Department London Borough of Brent - Environmental Health Department	April 2014 January 2015 March 2015 October 2013 October 2014 October 2014 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	January 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	January 2018 January 2018 January 2018	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control London Borough of Hillingdon - Environmental Health Department London Borough of Harrow - Environmental Health Services Three Rivers District Council - Environmental Health Department London Borough of Ealing - Environmental Health and Trading Standards Division Watford Borough Council - Environmental Health Department London Borough of Brent - Environmental Health Department South Buckinghamshire District Council - Environmental Health Department	August 2014 December 2014 February 2015 July 2015 June 2014 March 2016 September 2014	Variable Variable Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls London Borough of Hillingdon - Environmental Health Department London Borough of Harrow - Environmental Health Services Three Rivers District Council - Environmental Health Department London Borough of Ealing - Environmental Health and Trading Standards Division Watford Borough Council - Environmental Health Department London Borough of Brent - Environmental Health Department South Buckinghamshire District Council - Environmental Health Department	August 2014 December 2014 February 2015 July 2015 June 2014 March 2016 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements London Borough of Hillingdon - Environmental Health Department London Borough of Harrow - Environmental Health Services Three Rivers District Council - Environmental Health Department London Borough of Ealing - Environmental Health and Trading Standards Division Watford Borough Council - Environmental Health Department London Borough of Brent - Environmental Health Department South Buckinghamshire District Council - Environmental Health Department	August 2014 December 2014 February 2015 July 2015 June 2014 March 2016 September 2014	Variable Variable Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - Thames Region	January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable

Agency & Hydrological	Version	Update Cycle
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - North East Area	January 2018 January 2018 January 2018	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	January 2018	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	October 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2017	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2017	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2017	Quarterly
Flood Defences Environment Agency - Head Office	November 2017	Quarterly
OS Water Network Lines Ordnance Survey	January 2018	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - North East Area	October 2017 October 2017 October 2017	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - North East Area	January 2018 January 2018 January 2018	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Buckinghamshire County Council Hertfordshire County Council - Spatial Planning and Economy Unit London Borough of Brent - Environmental Health Department London Borough of Ealing London Borough of Harrow - Environmental Health Services London Borough of Hillingdon - Environmental Health Department South Buckinghamshire District Council Three Rivers District Council - Environmental Health Department Watford Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites South Buckinghamshire District Council Buckinghamshire County Council Hertfordshire County Council - Spatial Planning and Economy Unit London Borough of Brent - Environmental Health Department London Borough of Ealing London Borough of Harrow - Environmental Health Services London Borough of Hillingdon - Environmental Health Department Three Rivers District Council - Environmental Health Department Watford Borough Council - Environmental Health Department	August 2006 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - North East Area	June 2015	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements London Borough of Harrow Buckinghamshire County Council Hertfordshire County Council - Spatial Planning and Economy Unit London Borough of Ealing South Buckinghamshire District Council - Development Control Department Three Rivers District Council Watford Borough Council - Development Control London Borough of Brent London Borough of Hillingdon	April 2015 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 January 2016 January 2016	Variable Variable Variable Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents London Borough of Harrow Buckinghamshire County Council Hertfordshire County Council - Spatial Planning and Economy Unit London Borough of Ealing South Buckinghamshire District Council - Development Control Department Three Rivers District Council Watford Borough Council - Development Control London Borough of Brent London Borough of Hillingdon	April 2015 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016 January 2016 January 2016	Variable Variable Variable Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2018	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2017	Quarterly
Points of Interest - Education and Health PointX	December 2017	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2017	Quarterly
Points of Interest - Public Infrastructure PointX	December 2017	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2017	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2017	Bi-Annually
Areas of Adopted Green Belt London Borough of Ealing London Borough of Harrow London Borough of Hillingdon South Buckinghamshire District Council - Development Control Department Three Rivers District Council Watford Borough Council	November 2017 November 2017 November 2017 November 2017 November 2017 November 2017	As notified As notified As notified As notified As notified As notified
Areas of Unadopted Green Belt London Borough of Ealing London Borough of Harrow London Borough of Hillingdon South Buckinghamshire District Council - Development Control Department Three Rivers District Council Watford Borough Council	November 2017 November 2017 November 2017 November 2017 November 2017 November 2017	As notified As notified As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	February 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	February 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	February 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	August 2017	Bi-Annually
Special Areas of Conservation Natural England	January 2018	Bi-Annually
Special Protection Areas Natural England	February 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	London Borough of Hillingdon - Environmental Health Department Civic Centre, High Street, Uxbridge, Middlesex, UB8 1UW	Telephone: 01895 250111 Fax: 01895 277443 Website: www.hillingdon.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
6	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	London Borough of Hillingdon Civic Centre, High Street, Uxbridge, Middlesex, UB8 1UW	Telephone: 01895 250111 Fax: 01895 250830 Website: www.hillingdon.gov.uk
9	London Borough of Harrow Civic Centre, Station Road, Harrow, Middlesex, HA1 2XF	Telephone: 020 8863 5611 Fax: 020 8863 8267 Website: www.harrow.gov.uk
10	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Appendix IV



Groundwater Vulnerability

General

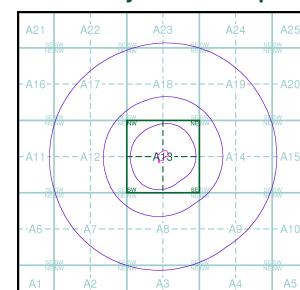
△ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
□ Slice □ Map ID

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	Medium
	Water or Sea
	Drift Deposit

Site Sensitivity Context Map - Slice A

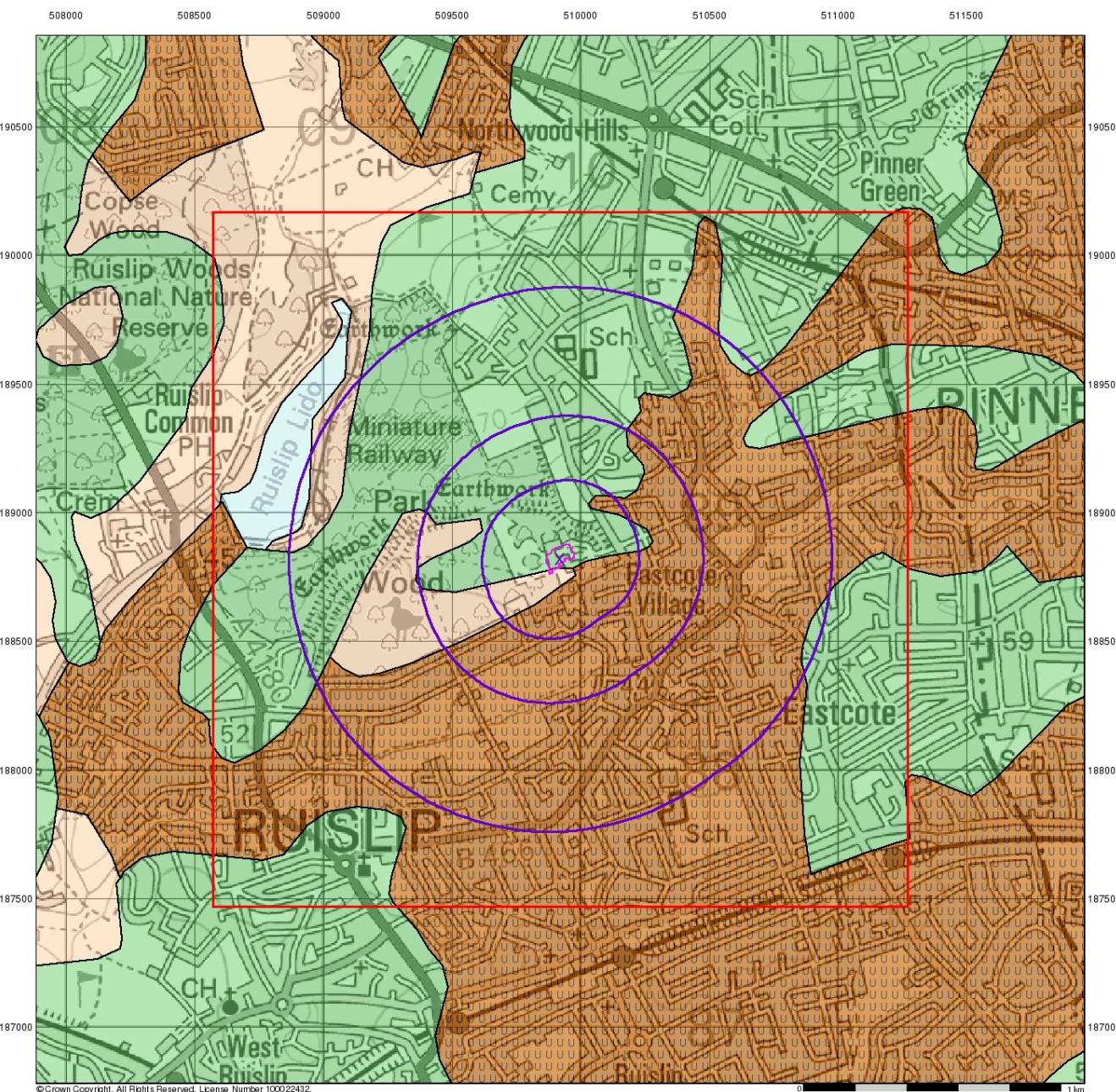


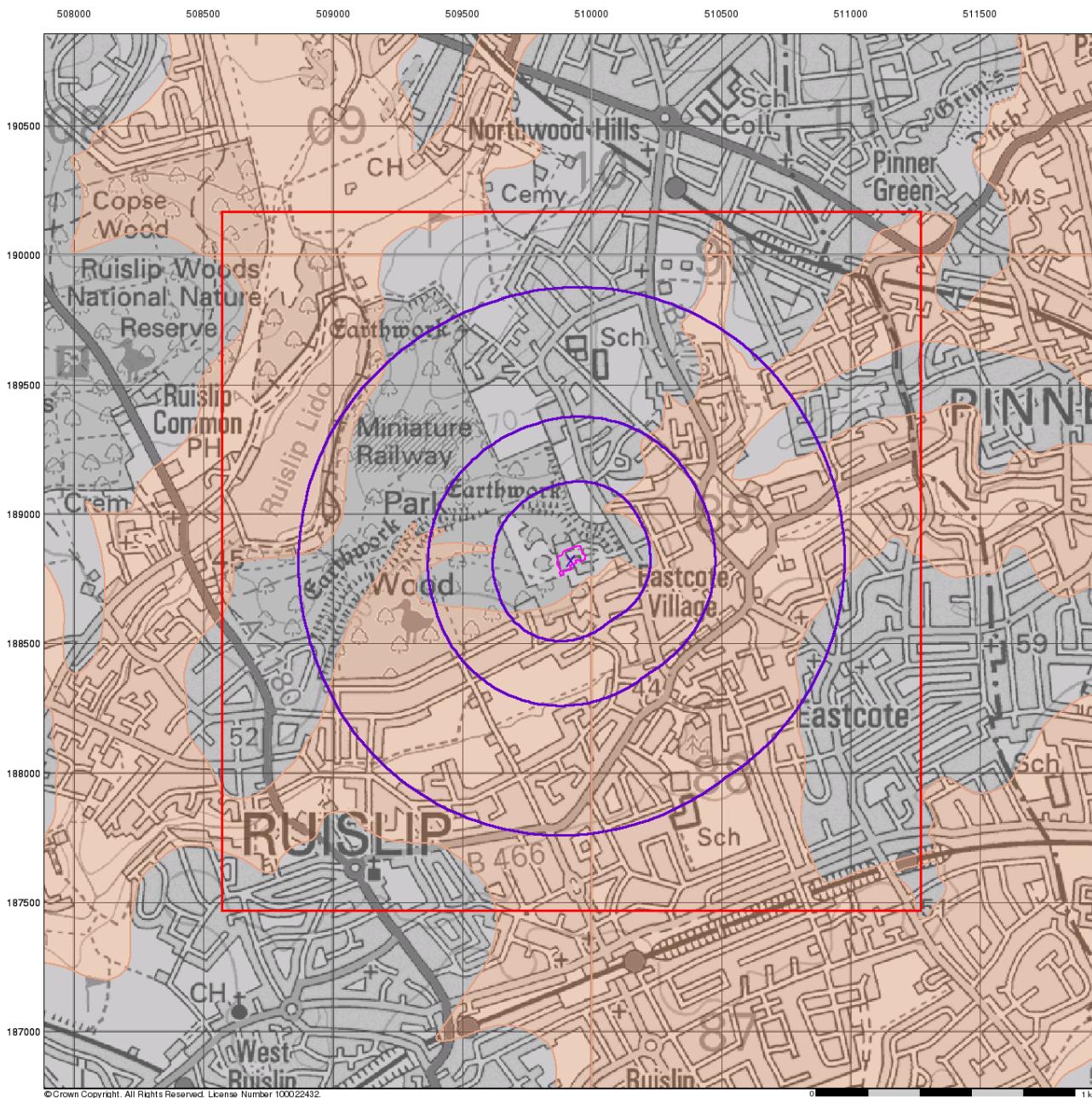
Order Details

Order Number: 158079609_1_1
 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 1000

Site Details

Grangewood Junior School, Fore Street, PINNER, HA5 2JQ





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Bedrock Aquifer Designation

General

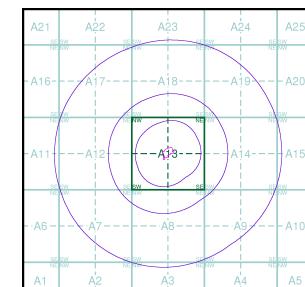
Specified Site
 Specified Buffer(s)
 Bearing Reference Point
 Slice
 Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

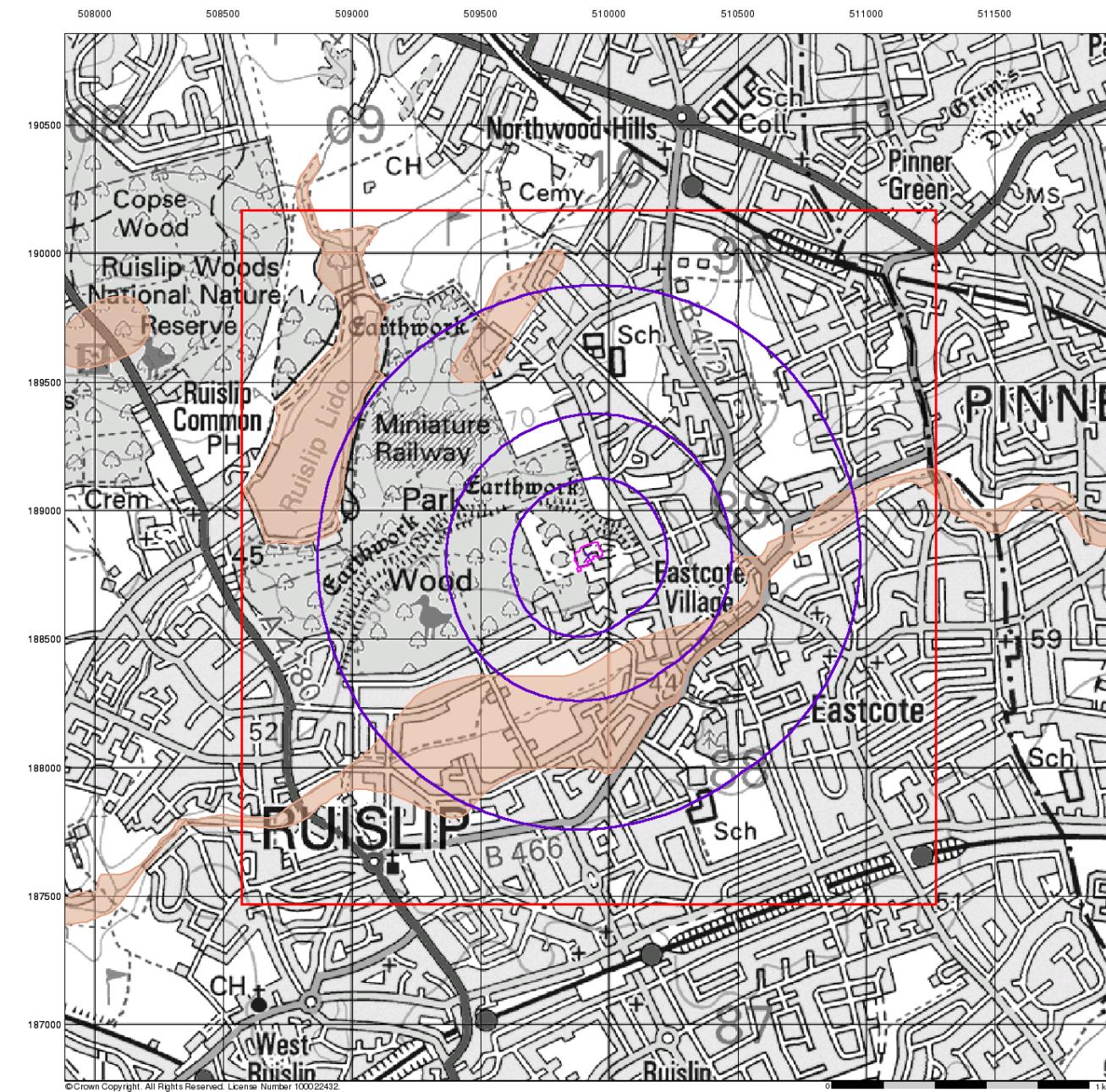
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 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

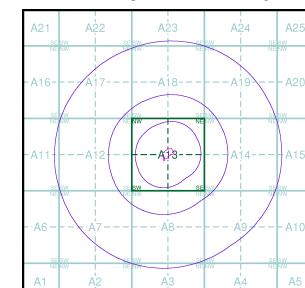
● Specified Site ● Specified Buffer(s) X Bearing Reference Point
■ Slice ■ Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

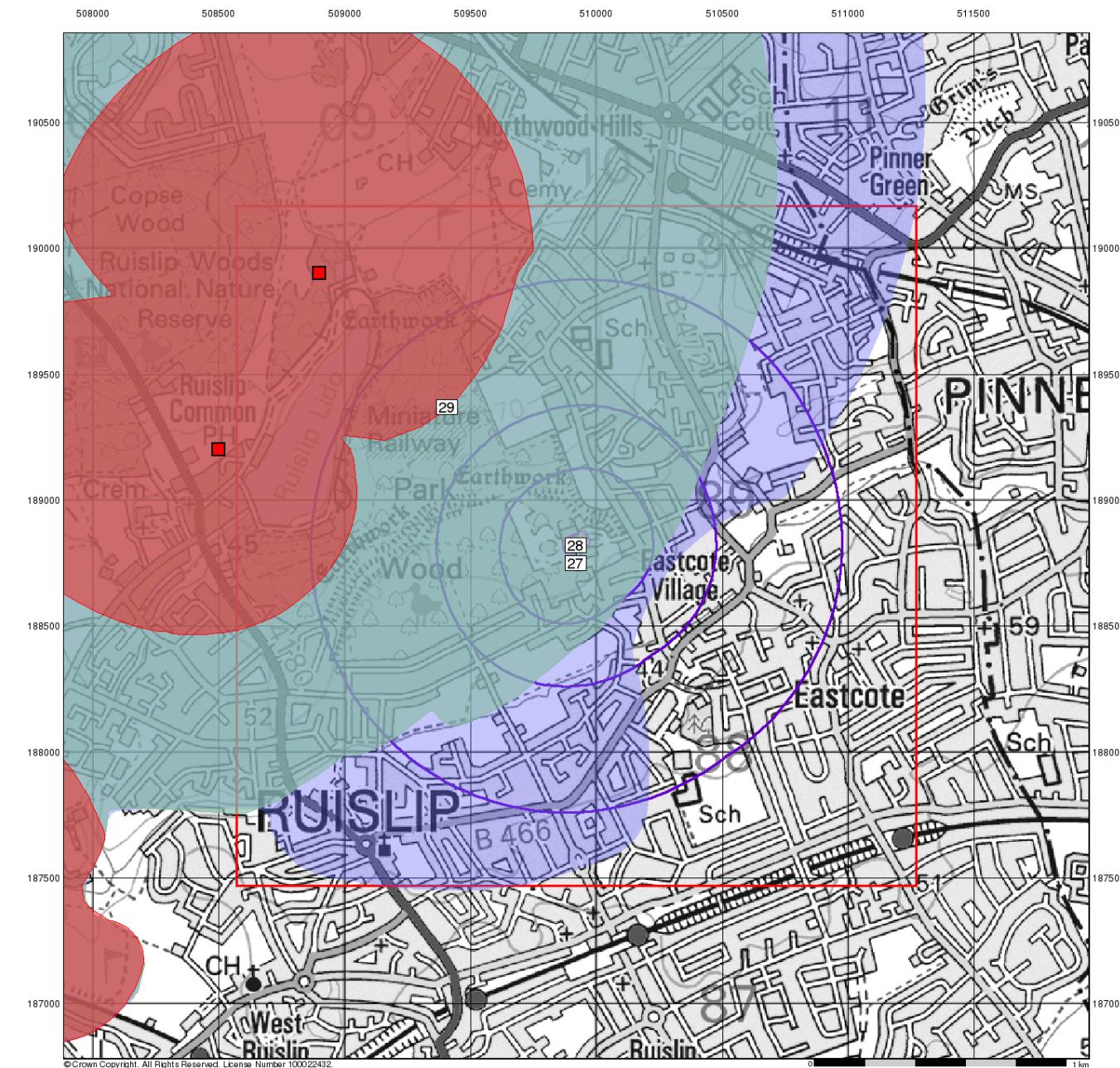
Order Number: 158079609_1_1
 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

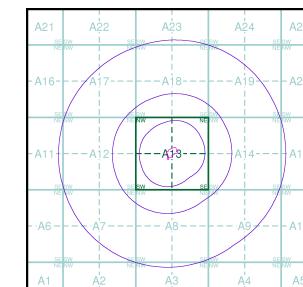
General

◊ Specified Site ◊ Specified Buffer(s) X Bearing Reference Point
◊ Slice □ Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 158079609_1_1
 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 1000

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Sensitive Land Uses

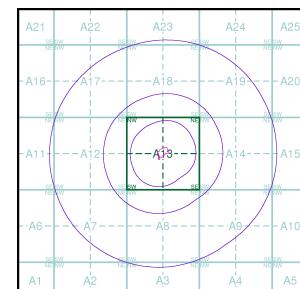
General

- ◊ Specified Site
- ◊ Specified Buffer(s)
- ◊ Bearing Reference Point
- ◊ Slice
- ◊ Map ID

Sensitive Land Uses

◊ Ancient Woodland	◊ National Park
◊ Area of Adopted Green Belt	◊ Nitrate Sensitive Area
◊ Area of Unadopted Green Belt	◊ Nitrate Vulnerable Zone
◊ Area of Outstanding Natural Beauty	◊ Ramsar Site
◊ Environmentally Sensitive Area	◊ Site of Special Scientific Interest
◊ Forest Park	◊ Special Area of Conservation
◊ Local Nature Reserve	◊ Special Protection Area
◊ Marine Nature Reserve	◊ World Heritage Sites
◊ National Nature Reserve	

Site Sensitivity Context Map - Slice A

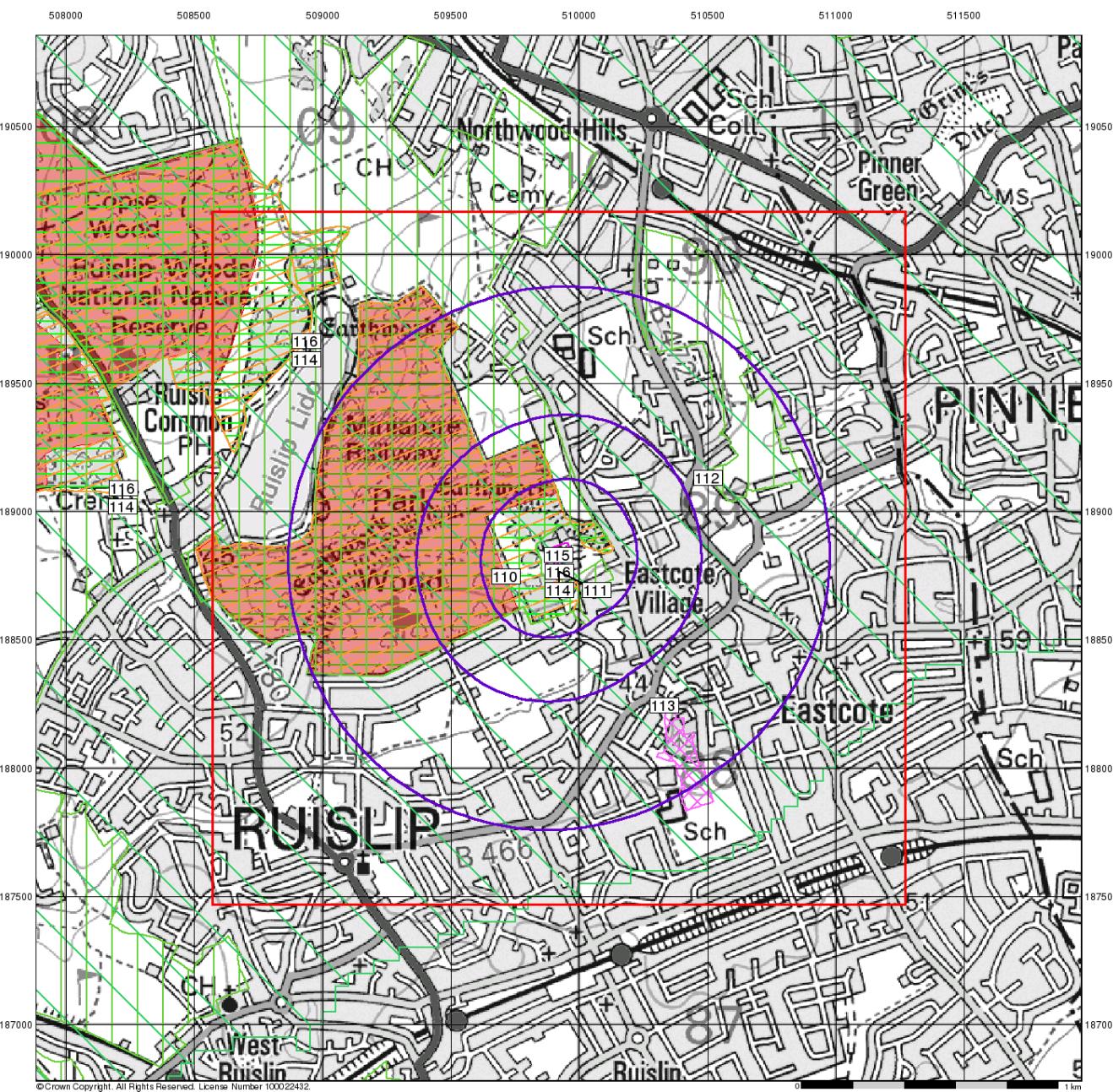


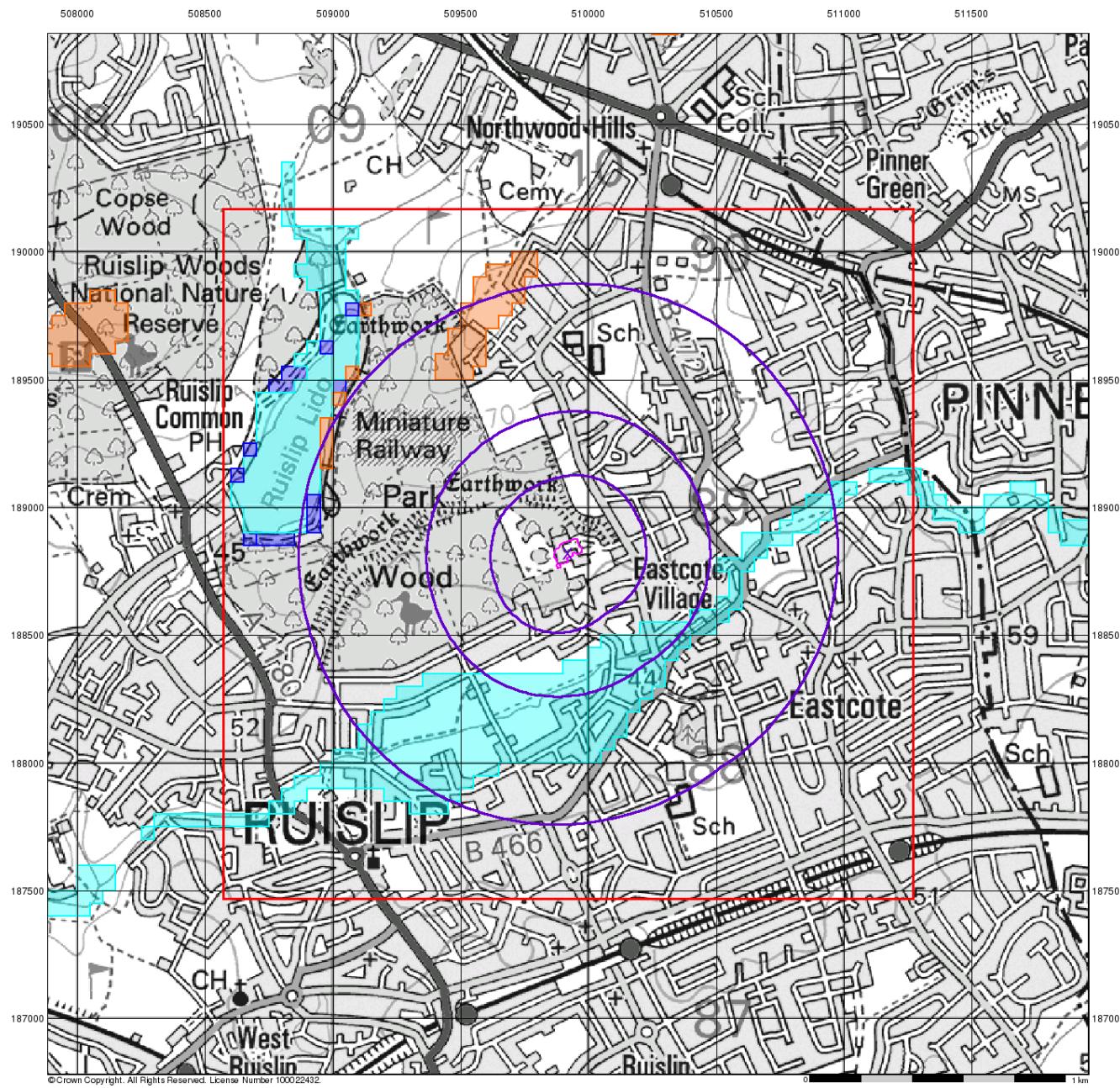
Order Details

Order Number: 158079609_1_1
 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

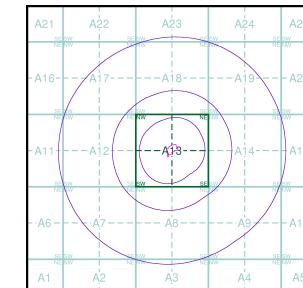
General

Specified Site Specified Buffer(s) Bearing Reference Point
Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 1000

Site Details

Site Details

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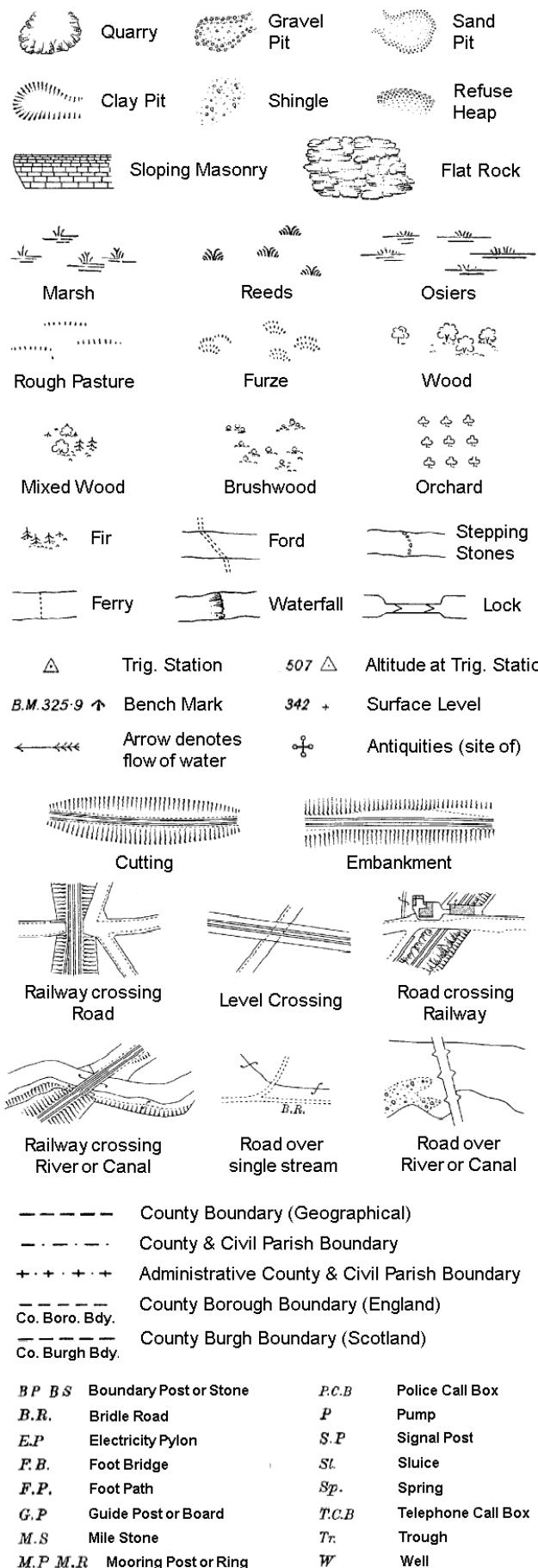
Tel: 0844 844 9952
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Appendix V

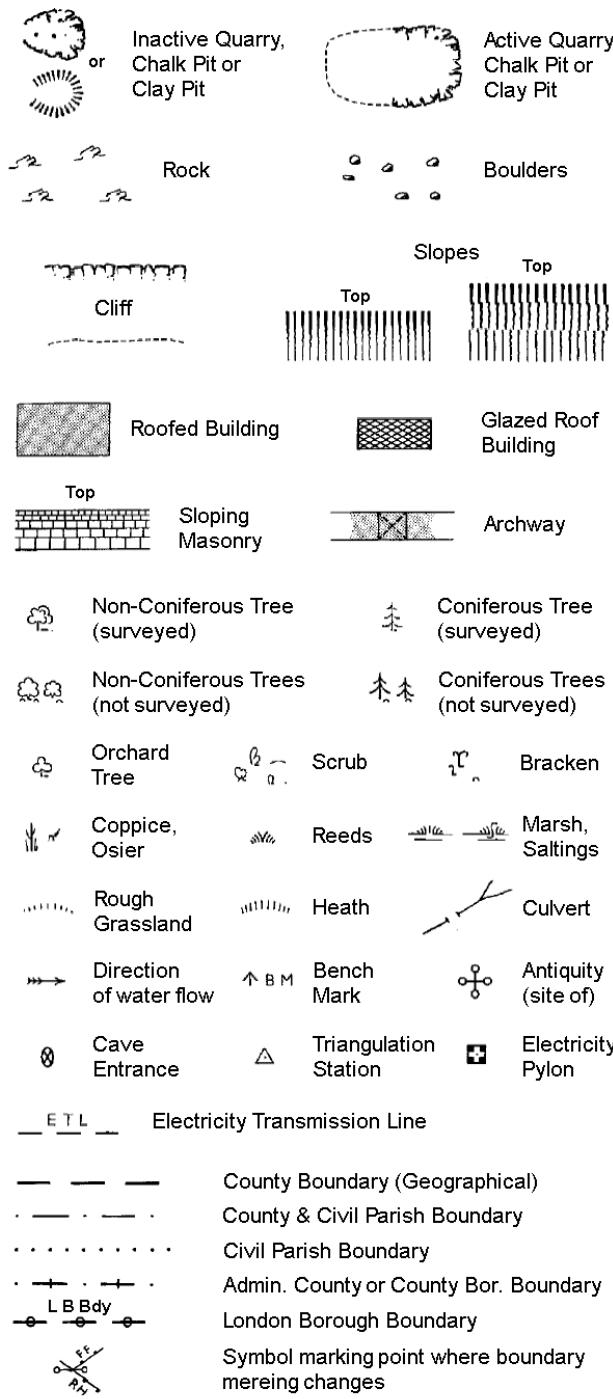


Historical Mapping Legends

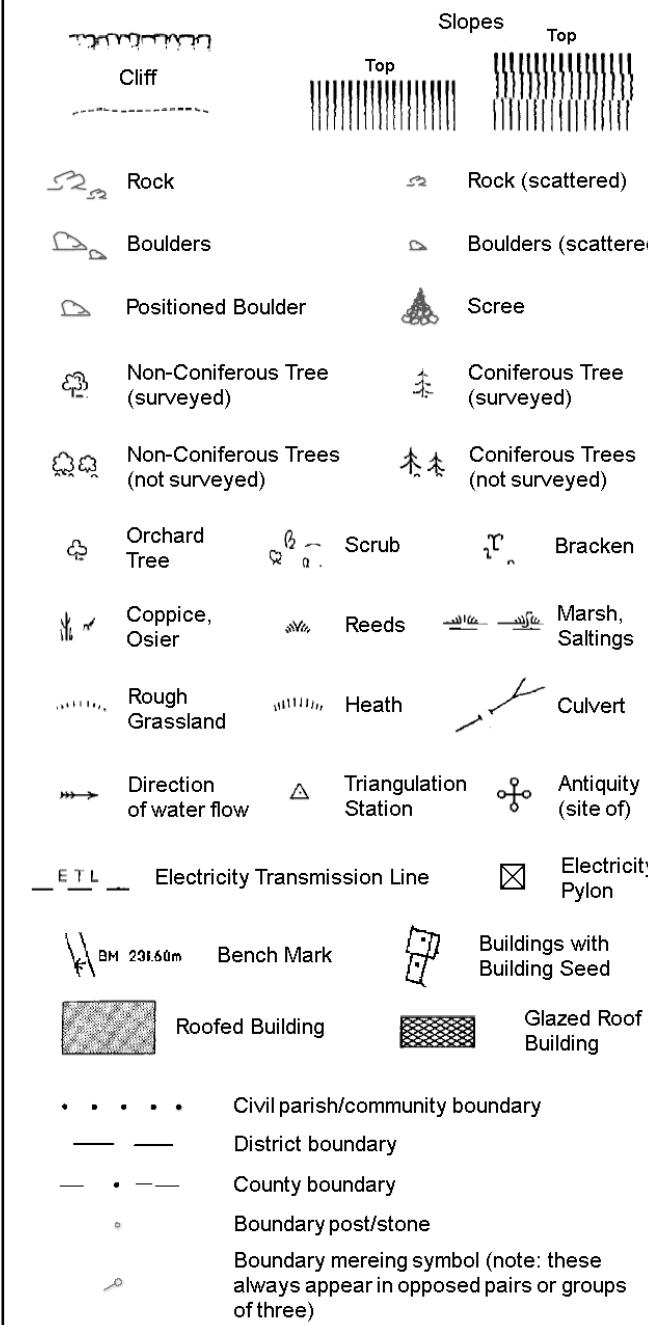
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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



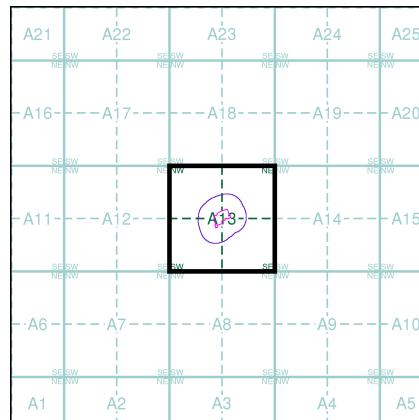
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Middlesex	1:2,500	1864	2
Middlesex	1:2,500	1896	3
Middlesex	1:2,500	1913	4
Middlesex	1:2,500	1935	5
Historical Aerial Photography	1:1,250	1946 - 1947	6
Ordnance Survey Plan	1:1,250	1959 - 1962	7
Additional SIMs	1:1,250	1959 - 1987	8
Ordnance Survey Plan	1:2,500	1960 - 1972	9
Ordnance Survey Plan	1:1,250	1969 - 1974	10
Supply of Unpublished Survey Information	1:1,250	1973 - 1974	11
Large-Scale National Grid Data	1:1,250	1991 - 1992	12
Large-Scale National Grid Data	1:1,250	1992	13
Historical Aerial Photography	1:2,500	1999	14

Historical Map - Segment A13



Order Details

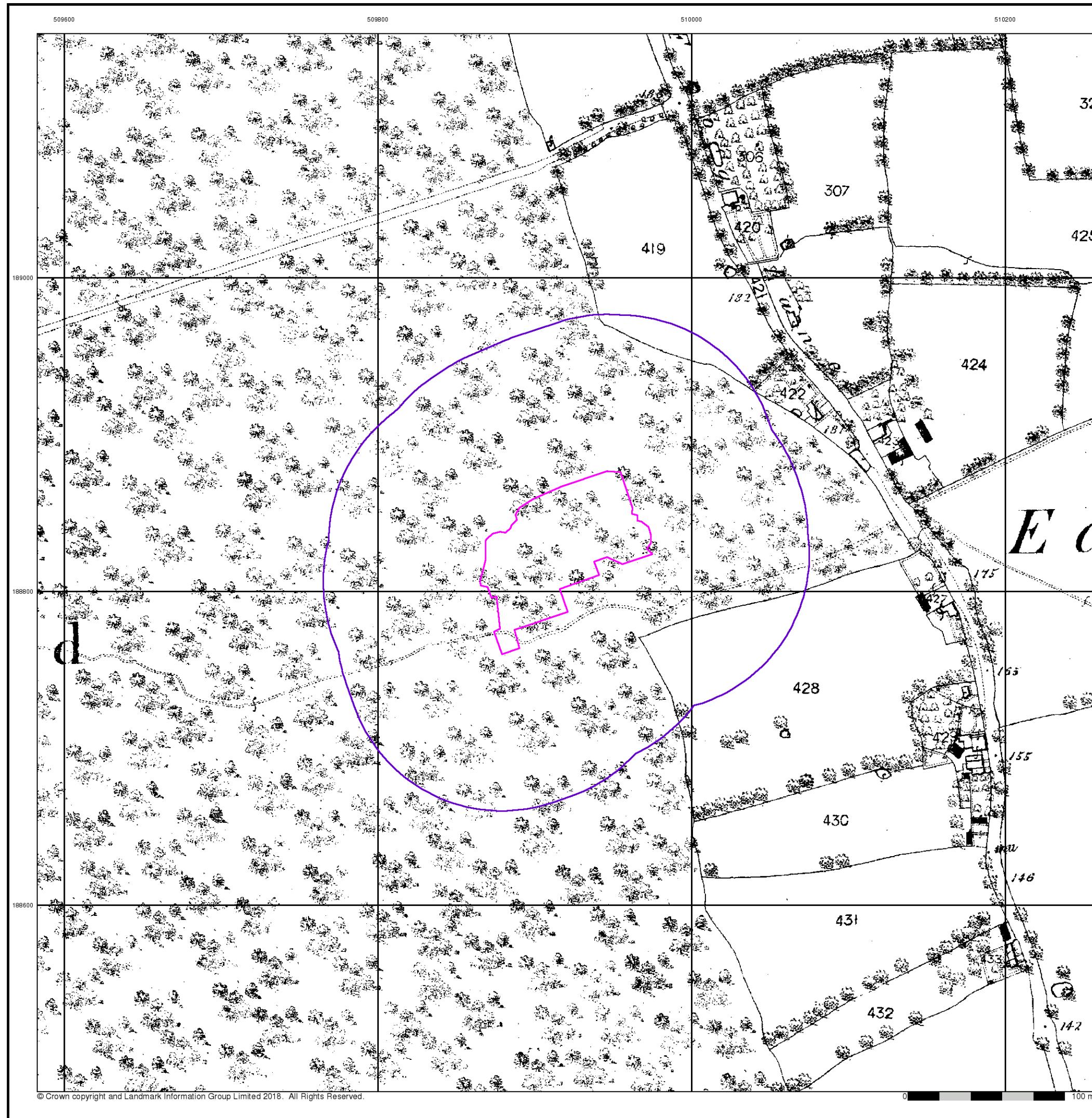
Order Number: 158079609_1_1
 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 100

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Middlesex

Published 1864

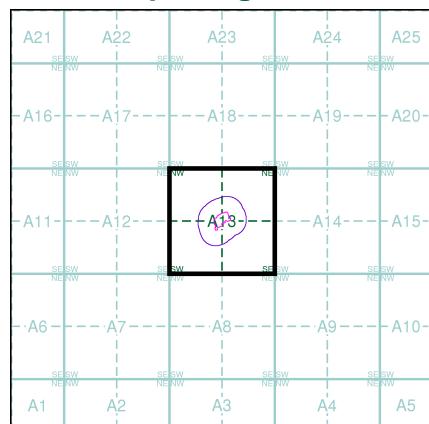
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

010_05
1864
1:2,500

Historical Map - Segment A13



Order Details

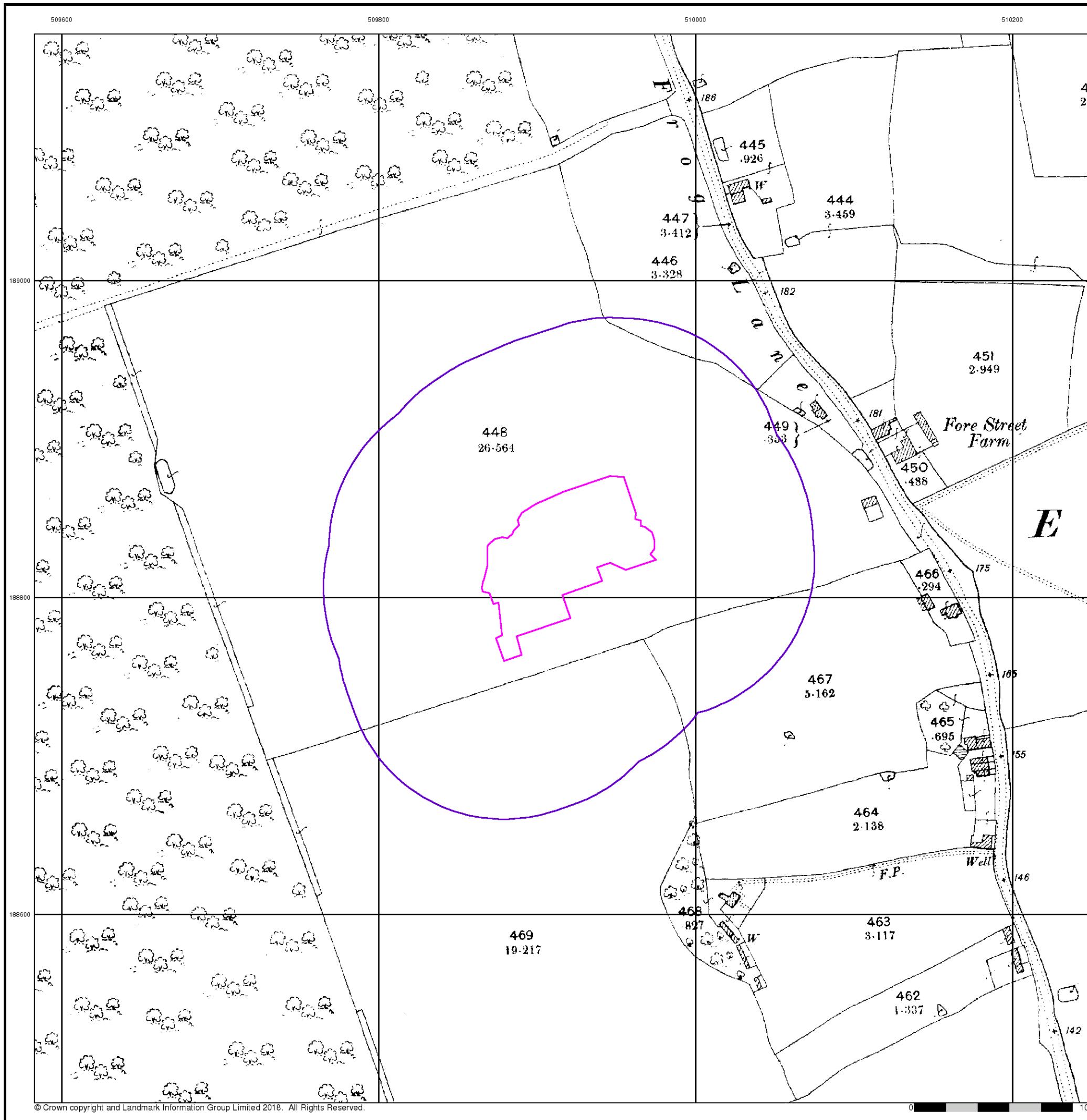
Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

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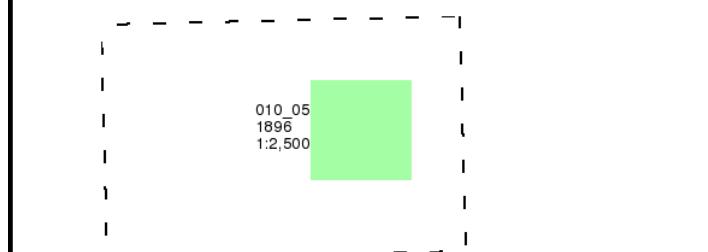
Middlesex

Published 1896

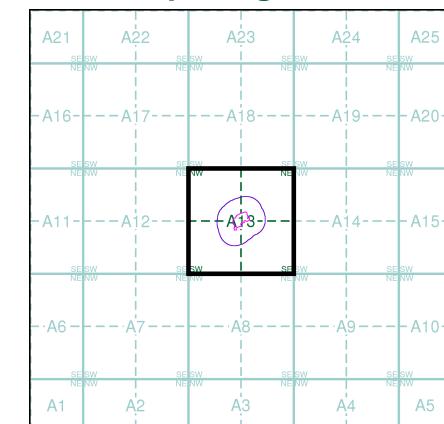
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

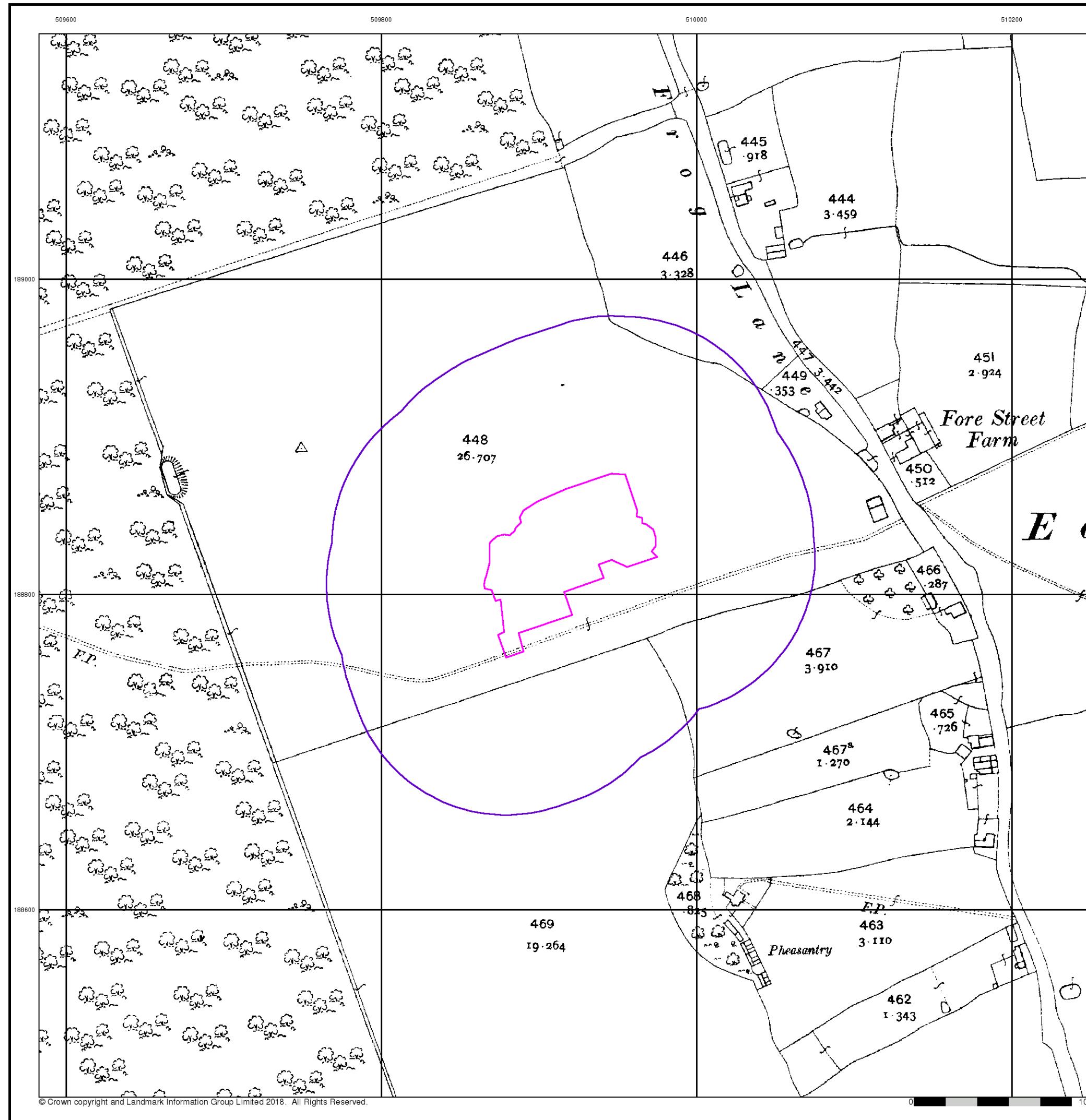
Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

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Middlesex

Published 1913

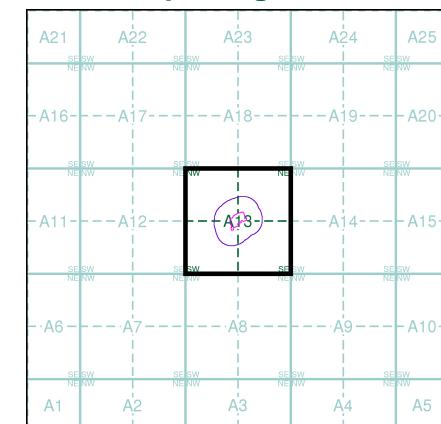
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

010.05
1913
1:2,500

Historical Map - Segment A13



Order Details

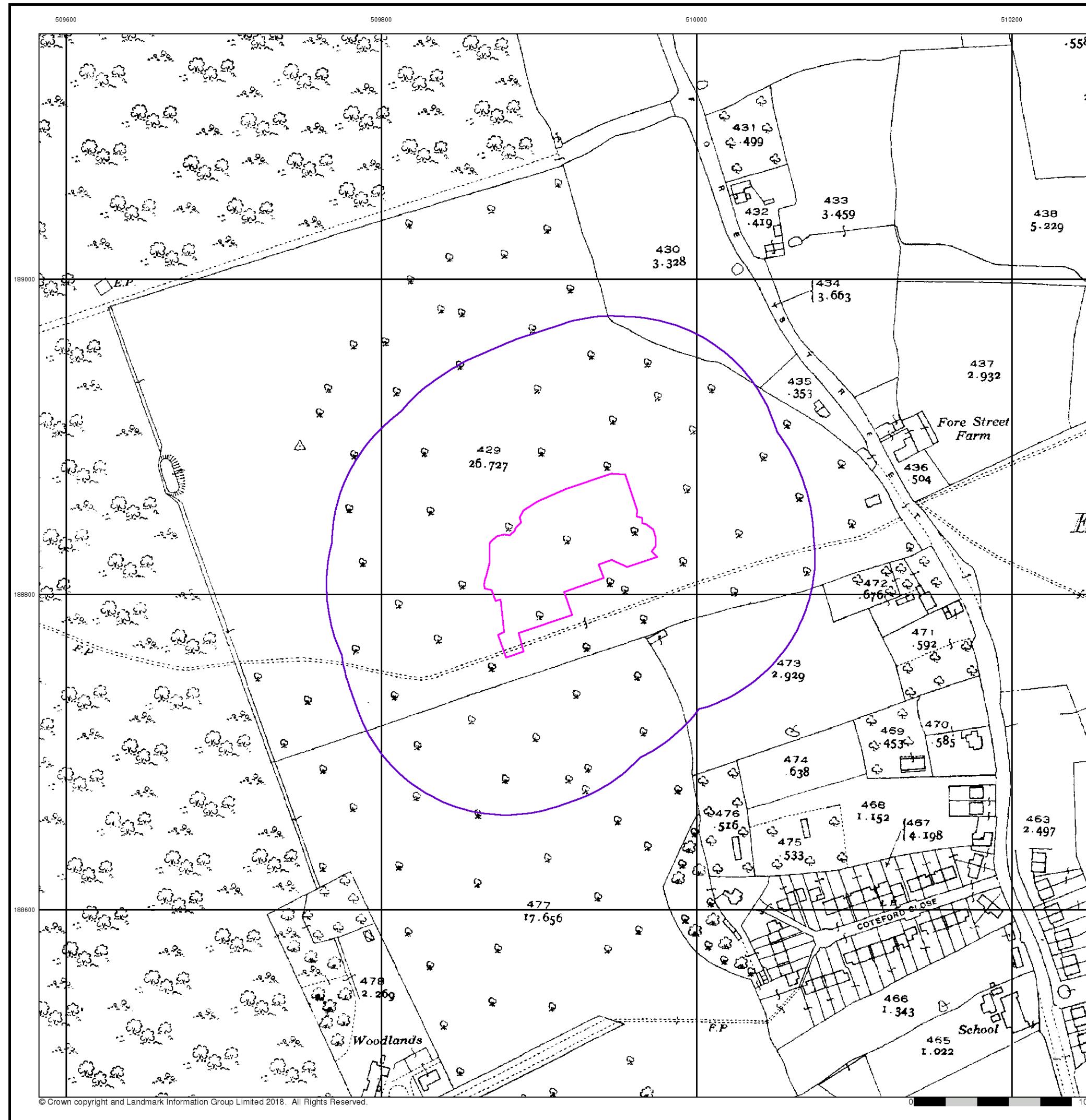
Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

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Middlesex

Published 1935

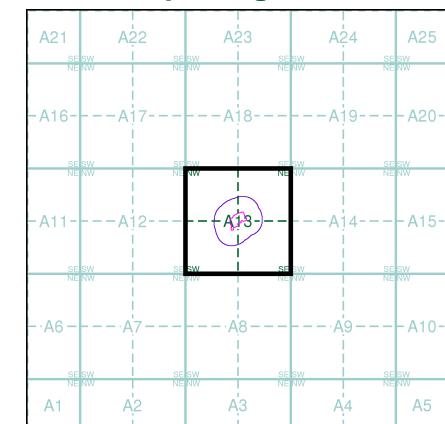
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

010.05
1935
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

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Historical Aerial Photography

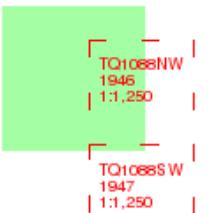
Published 1946 - 1947

Source map scale - 1:1,250

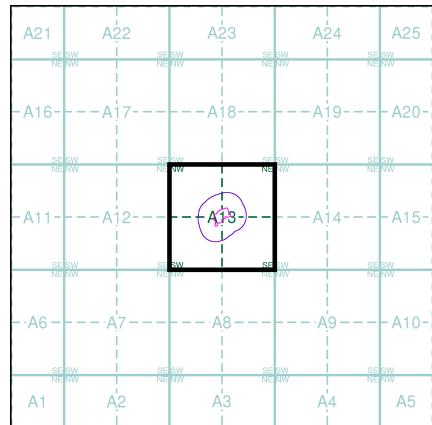
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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Map Name(s) and Date(s)



Historical Aerial Photography - Segment A13



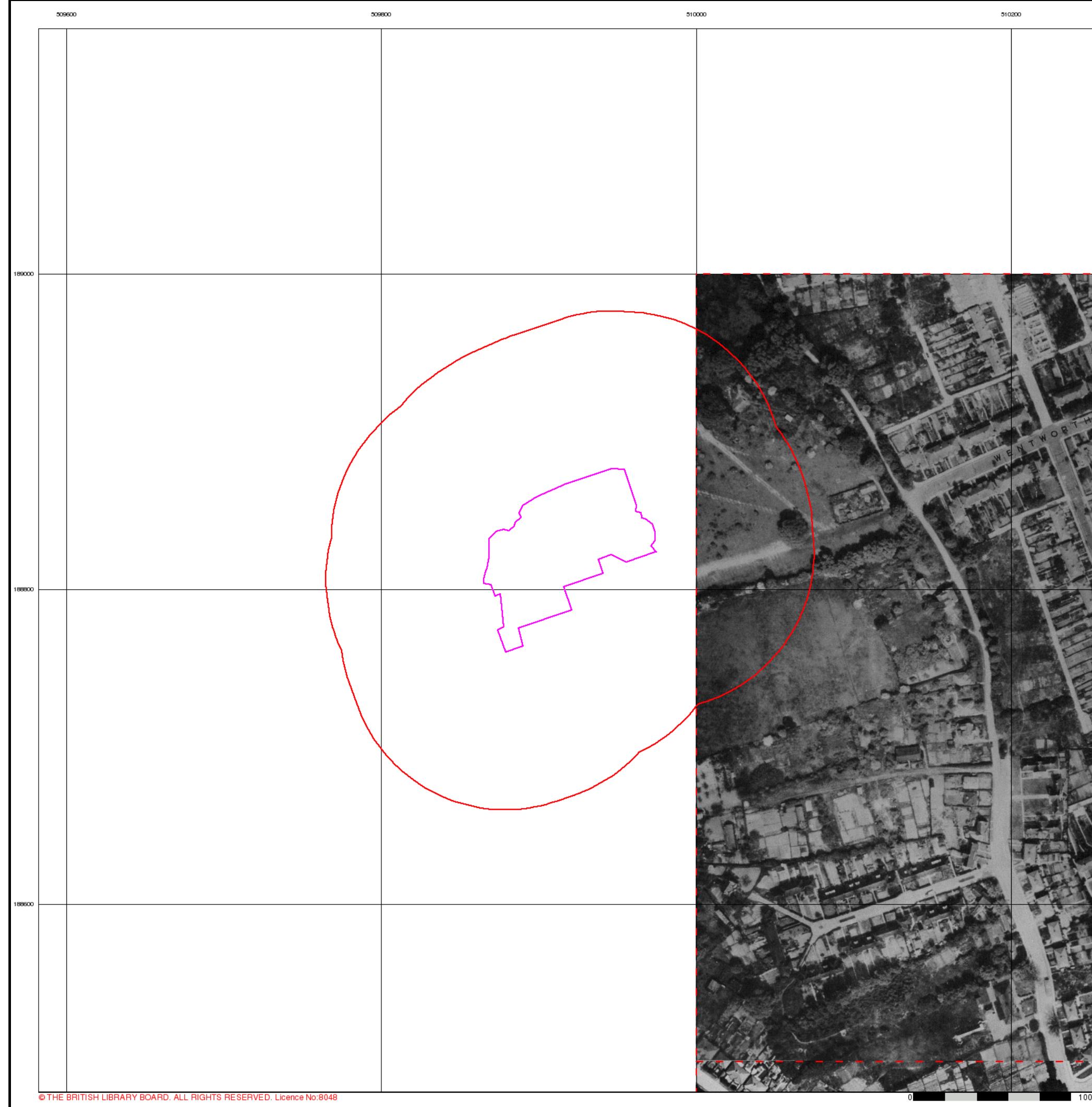
BRITISH
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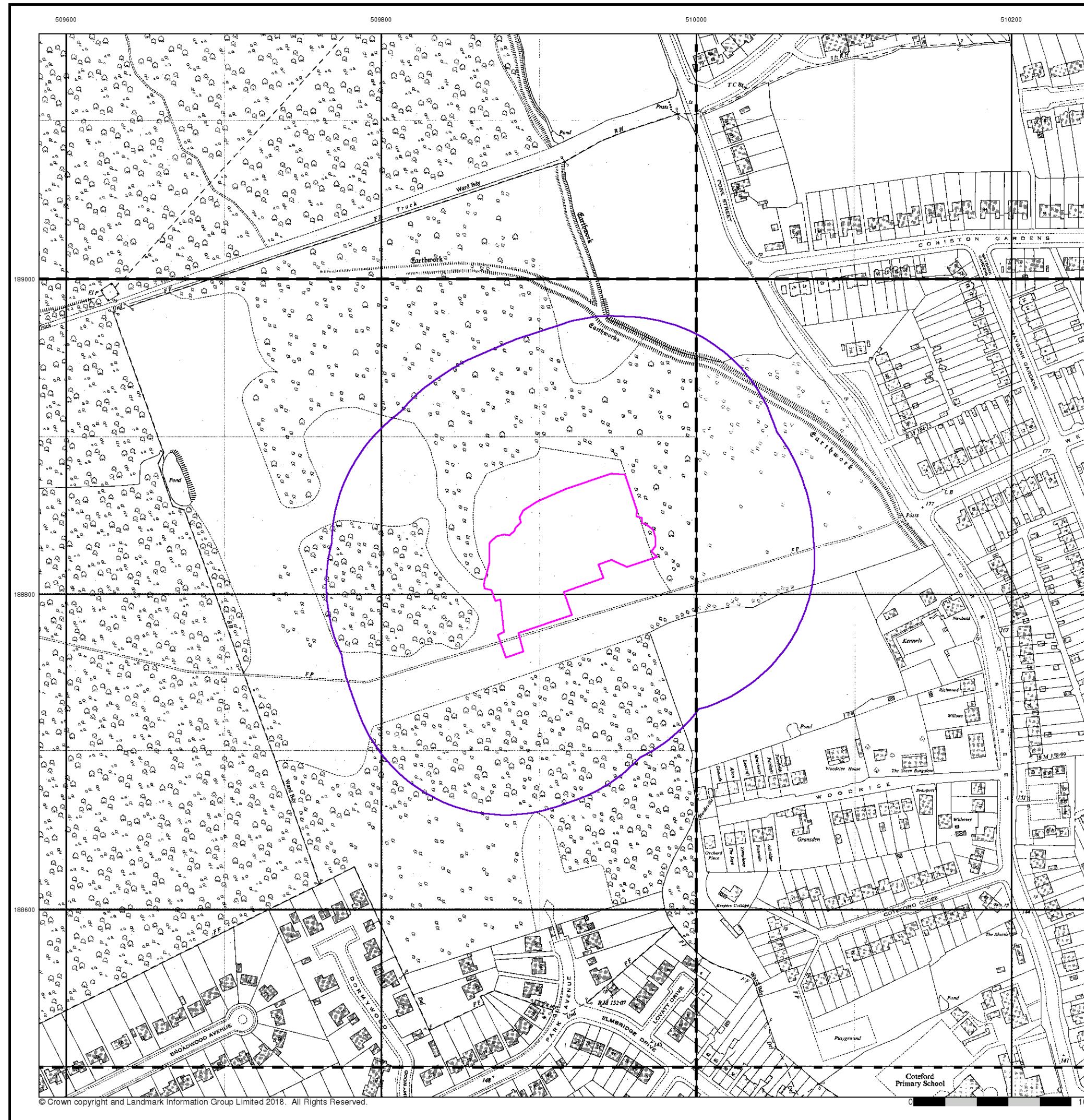
Order Details

Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1959 - 1962

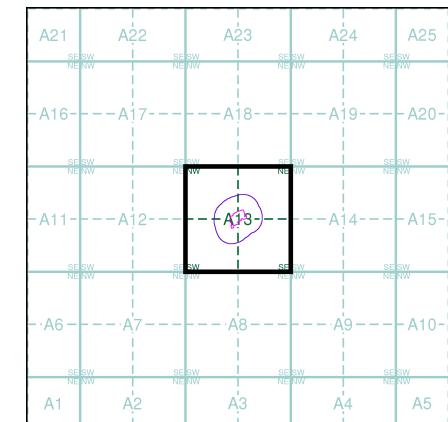
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

TQ0989SE	Q1089SW
1959	1959
1:1,250	1:1,250
TQ0988NE	Q1088NW
1962	1959
1:1,250	1:1,250
TQ0988SE	Q1088SW
1962	1959
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

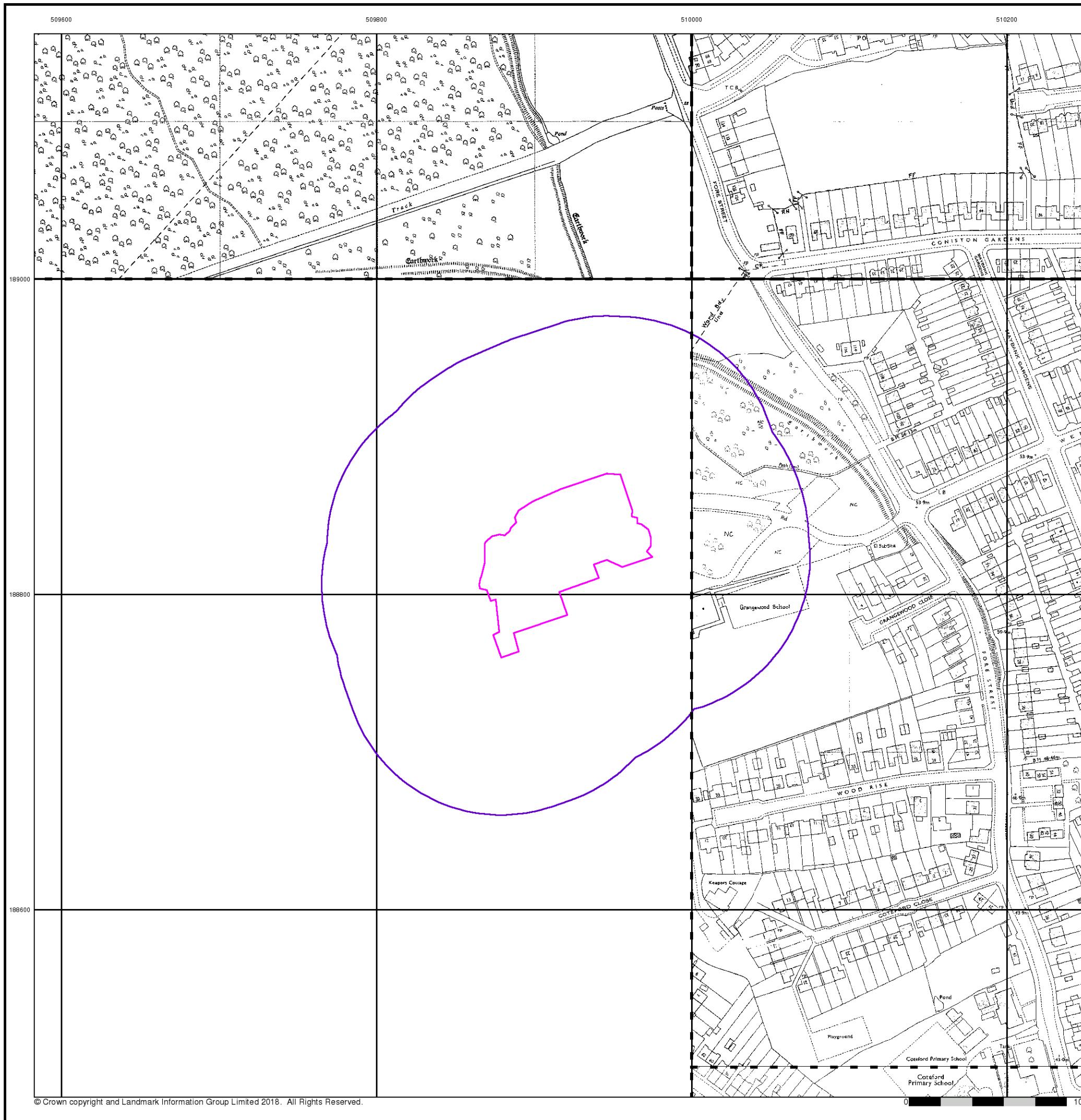
Order Number: 158079609_1_1
 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1959 - 1987

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

1959 1980
1:1,250 1:1,250
TQ1088SW
1987 1:1,250
TQ1088NW
1977 1:1,250

Historical Map - Segment A13



Order Details

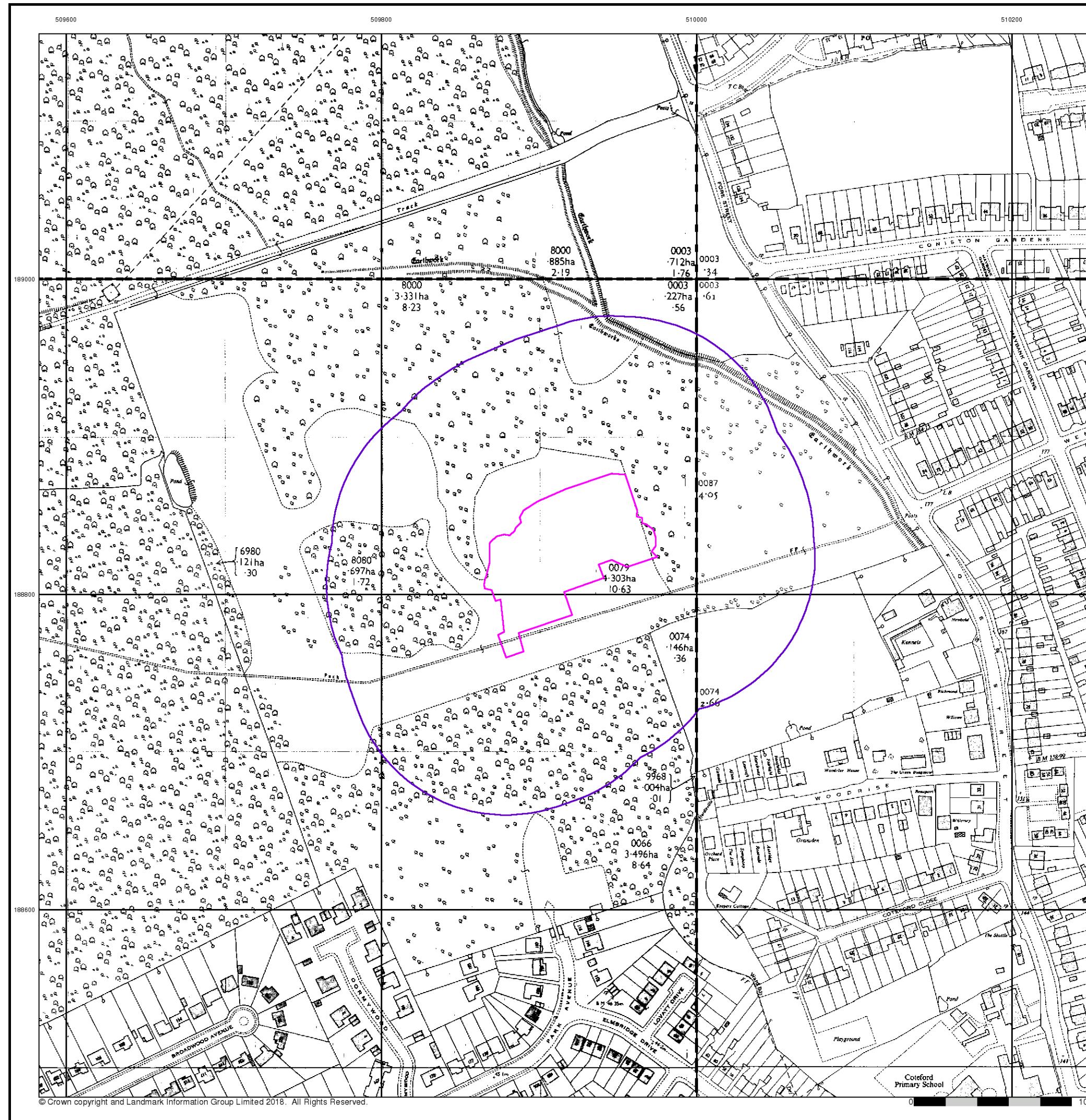
Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1960 - 1972

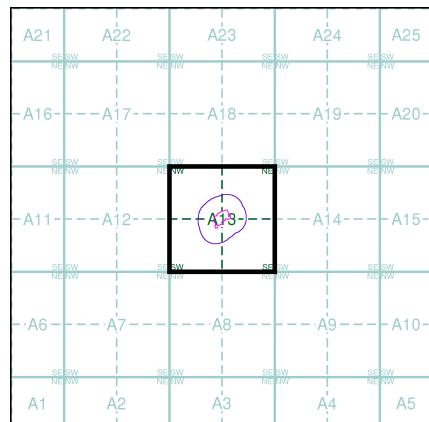
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

TO0989	TO1089
1972	1960
12,500	12,500
—	—
TQ0988	TQ1088
1972	1960
12,500	12,500
—	—

Historical Map - Segment A13



Order Details

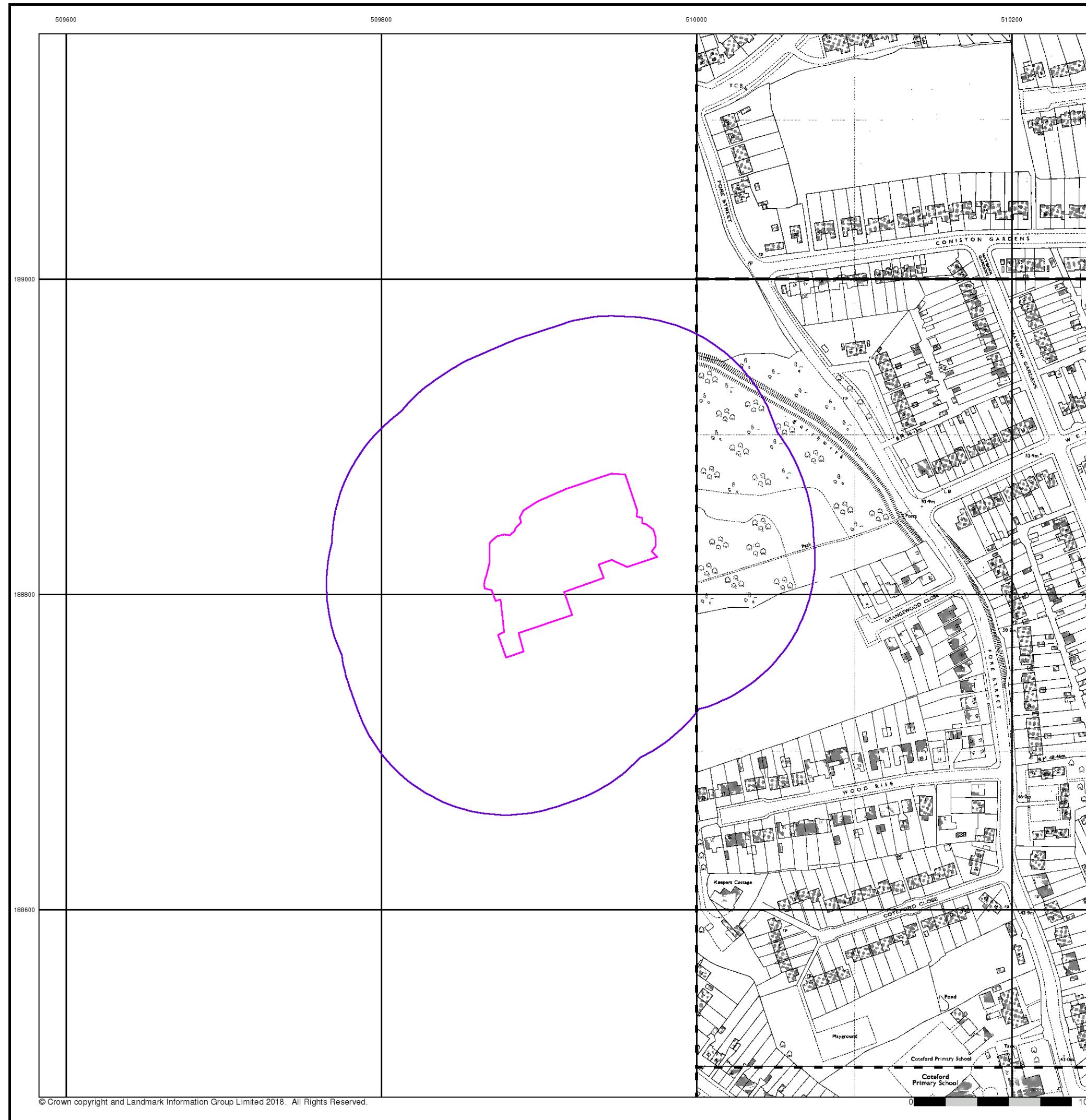
Order Number: 158079609_1_1
 Customer Ref: C2734
 National Grid Reference: 509920, 188820
 Slice: A
 Site Area (Ha): 0.65
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1969 - 1974

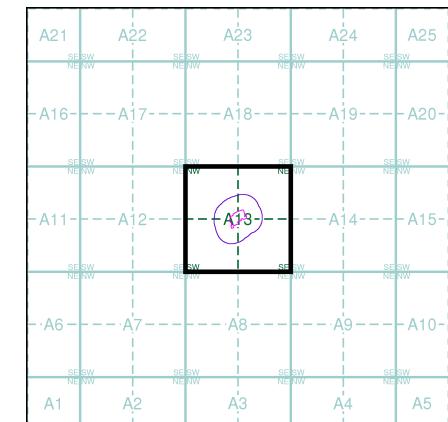
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

TQ1089SW
1969
1:1,250
—
TQ1088NW
1974
1:1,250
—
TQ1088SW
1970
1:1,250
—

Historical Map - Segment A13

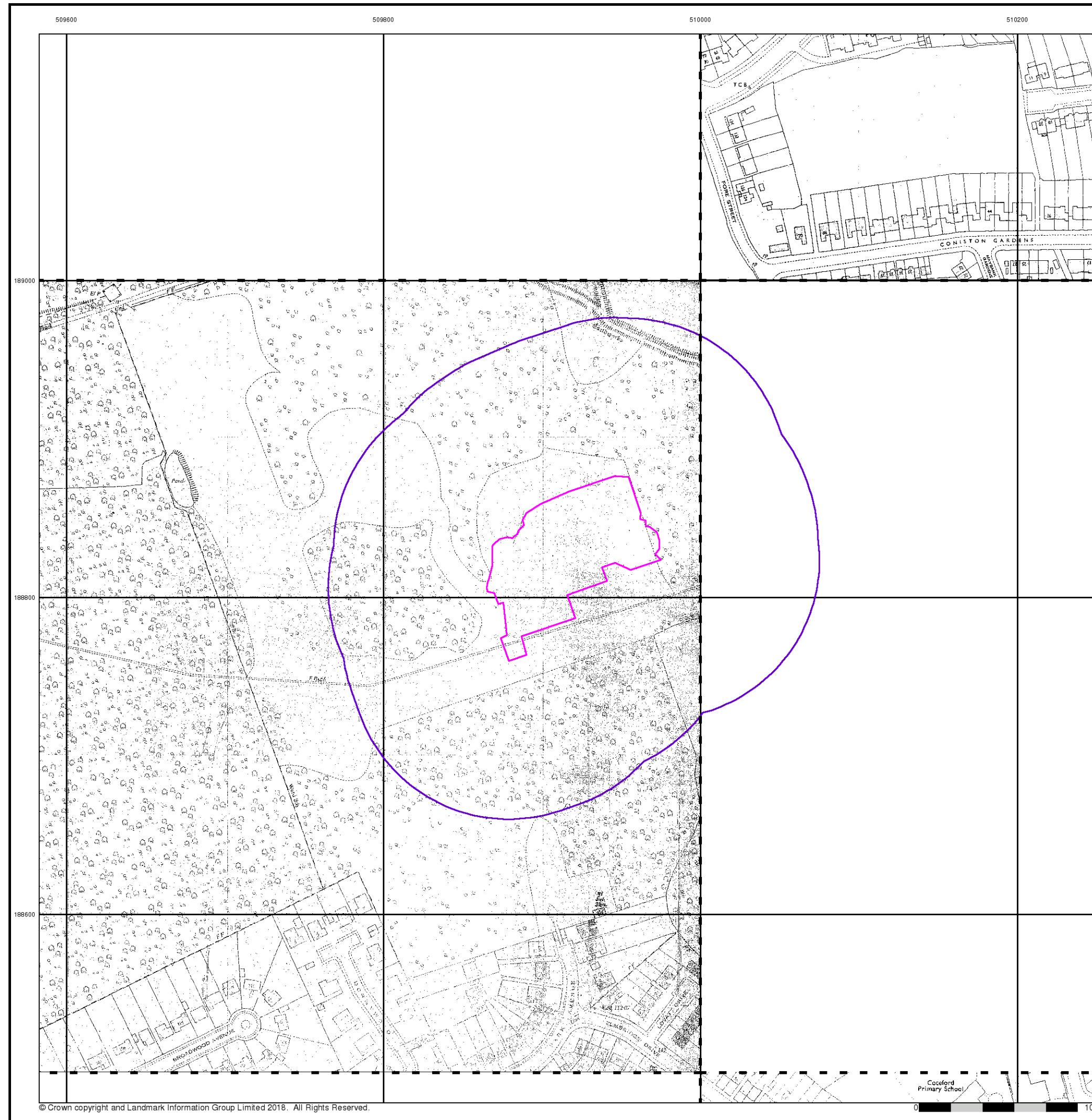


Order Details

Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

Grangewood Junior School, Fore Street, PINNER, HA5 2JQ



Supply of Unpublished Survey Information

Published 1973 - 1974

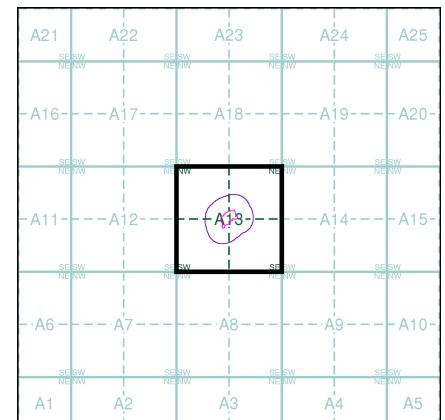
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

TQ1089SW	1974	1:1,250
TQ0988NE	1973	1:1,250
TQ1088SW	1974	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1991 - 1992

Source map scale - 1:1,250

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

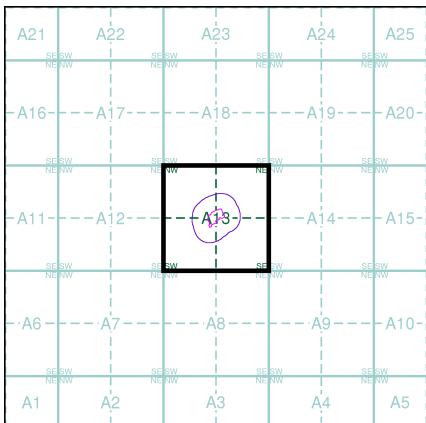
Map Name(s) and Date(s)

ΓQ0989SE ΓQ1089SW
1992 1991
1:1,250 1:1,250

ΓQ0988NE ΓQ1088NW
1992 1991
1:1,250 1:1,250

ΓQ0988SE ΓQ1088SW
1992 1991
1:1,250 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 158079609_1_1
Customer Ref: C2734
National Grid Reference: 509920, 188820
Slice: A
Site Area (Ha): 0.65
Search Buffer (m): 100

Site Details

Grangewood Junior School, Fore Street, PINNER, HA5 2JQ

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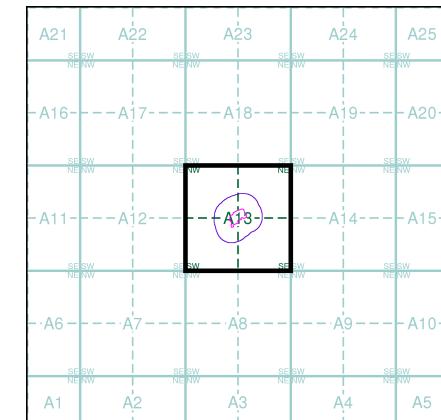
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Map Name(s) and Date(s)

TQ0988SE
1992
1:1,250

TQ1088SW
1992
1:1,250

Historical Map - Segment A13



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