

# East Claydon Greener Grid Park

Phase I Desk Study

April 2025 3358-A2S-XX-XX-RP-Y-0001-06



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Client Lichfields Ltd on behalf of Statkraft Ltd

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## 1. Introduction

A-squared Studio Engineers Ltd (A-squared) has been engaged by Lichfields Ltd (Lichfield) on behalf of Statkraft UK Ltd (Statkraft) to prepare a phase I desk study report for the proposed East Claydon Greener Grid Park development at the land north of East Claydon Substation, Claydon Road, MK18 2LF (herein called the 'wider site'). The proposed development is described in more detail in Section 6 but can generally be described as a Greener Grid Park comprising energy storage and grid balancing equipment and associated infrastructure including access, drainage, landscaping and other incidental works.

### 1.1. Study Aims and Objectives

The desk study develops an initial Conceptual Site Model (CSM) and provides a qualitative Preliminary Risk Assessment (PRA) for the proposed development in accordance with *Land Contamination Risk Management* (LCRM) guidance, published by the Environment Agency on the UK Government website. The desk study has been prepared in the context of the *National Planning Policy Framework* (NPPF) and *The Building Regulations 2010, Approved Document C - Site preparation and resistance to contaminants and moisture (2004 Edition incorporating 2010 and 2013 amendments)*. The desk study includes an assessment of whether there are any unacceptable risks (ref. *LCRM* guidance) requiring further geo-environmental investigation.

Preliminary geotechnical assessment is not included in this desk study.

The outcomes of this desk study have been developed based on information current at the time of writing.

#### 1.2. Information Sources

The desk study has been prepared based on information available in the public domain and in the provided documentation, including the following sources:

- Envirocheck Report for East Claydon prepared by Landmark Information Group, dated April 2024 (ref. 342200018\_1\_1), included in Appendix C.
- Preliminary Unexploded Ordnance (UXO) Risk Assessment for East Claydon prepared by RMS UXO Ltd, dated April 2024 (ref. IN)5135), included in Appendix D.
- Site walkover undertaken by representatives of A2S on 18th April 2024.
- British Geological Survey, Geolndex Onshore GIS database (accessed 15th April 2024); https://mapapps2.bgs.ac.uk/geoindex/.
- Department for Environment, Food & Rural Affairs (DEFRA), Magic Map Application (accessed 15<sup>th</sup> April 2024);
   http://magic.defra.gov.uk/MagicMap.aspx.
- Historic England, online Aerial Photo Explorer (accessed 15<sup>th</sup> April 2024); https://historicengland.org.uk/images-books/archive/collections/aerial-photos/.
- UK Health Security Agency (UKHSA) and BGS radon mapping (accessed 15<sup>th</sup> April 2024); https://www.ukradon.org/information/ukmaps.
- Google Earth (ref. earth.google.com/web/), accessed 15<sup>th</sup> April 2024.
- Flood Maps for Planning (ref. https://flood-map-for-planning.service.gov.uk/) (accessed 12<sup>th</sup> March 2025).
- Local authority planning portal (ref. <a href="https://www.buckinghamshire.gov.uk/planning-and-building-control/view-and-comment-on-a-planning-application/">https://www.buckinghamshire.gov.uk/planning-and-building-control/view-and-comment-on-a-planning-application/</a>).
- Discovery Strategy for unexpected contamination (3358-A2S-XX-XX-TN-Y00001-03), prepared by A-squared, dated 24<sup>th</sup> April 2025.



## Site Setting

#### 2.1. Location and Current Site Use

The site is located at East Claydon Substation, Claydon Road, MK18 2LF with the area of proposed development located in the most northerly portion, as shown in Figure 2.1. The approximate National Grid reference for the wider site is 474360, 226100 with a total wider site footprint of approximately 45.3 hectares. The area of the proposed development has a site footprint of approximately 8.6 hectares. The ground surface elevation across the site ranges from approximately 85m Above Ordnance Datum (AOD) in the northeast rising to approximately 95.1mAOD to the southeast. This change in elevation results in a gentle slope across the entire site. Within the proposed development boundary, the ground surface is relatively flat with a surface elevation of approximately 87mAOD.

The proposed development and wider site area fall within the administrative boundaries of Buckinghamshire Council and currently consists of undeveloped land with a 'track' running through the center. This track is used for agricultural vehicle (for example tractor) movement. Overhead electrical wires are present in the western portion of the wider site.

The current land uses within a 250m radius surrounding the wider site are summarized in Table 2.1

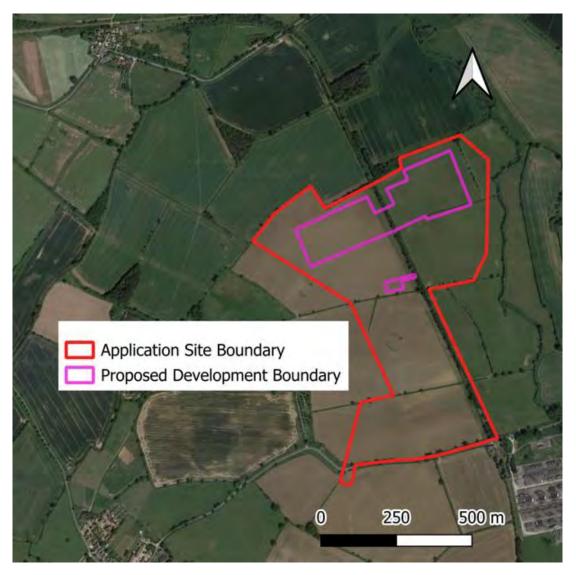


Figure 2.1 Location of the proposed development (red line reflects the wider site boundary and pink line the proposed development boundary used for this assessment)



Table 2.1 Surrounding land uses summary

Bearing from Site	Features directly adjacent to the wider site boundary	Other identified land uses and key structures
North	Undeveloped, soft landscaped fields	Up to and beyond 250m north of the wider site boundary are undeveloped, soft landscaped fields.
South	East Claydon Road, a single carriageway road.	Up to and beyond 250m south of the wider site boundary is predominantly undeveloped, soft landscaped fields. However, a large National Grid Substation is present approximately 120m south of the wider site boundary (780m south of the proposed development site boundary).
East	Undeveloped, soft landscaped fields	Up to and beyond 250m east of the wider site boundary are undeveloped, soft landscaped fields.  A surface water feature named 'Claydon Brook' is located approximately 65m east of the wider site boundary (approximately 100m east of the proposed development boundary).
West	Undeveloped, soft landscaped fields	Up to and beyond 250m west of the wider site boundary are undeveloped, soft landscaped fields.  Residential properties are located 250m west of the site.

#### 2.2. Site Walkover

A site walkover was undertaken by A-squared on the 18<sup>th</sup> April 2024. A summary is presented in this Section 2.2. Walkover records are included as Appendix E and these should be reviewed alongside the summary details below.

The wider site currently consists of a number of soft landscaped, undeveloped fields with a single track running in a north to south direction straight down the wider site centre. During the walkover it was noted that the developed area and wider site has current agricultural uses. The track in the centre of the site has a soft landscaped surfacing with gravel and is lined on either side by dense vegetation including trees and bushes in addition to shallower surface drainage ditches predominantly consisting of decaying leaf matter. Water was sporadically observed within these drainage ditches and was shallow with no observable flow direction. Each ditch was approximately less than 0.5m deep.

The northern portion of the site (north adjacent to the development area) was bordered by dense vegetation and another surface water drain. Similar to the drains along the track, the drain which runs along the northern site border was shallow and did not contain a substantial amount of water.

Other notable features identified on site include a pile of metal structures located in the central region and two electrical power lines that cut across the wider site in a northwest to southeast direction. The pylons to support these lines are spread across the fields with one placed on the track in the southern portion of the wider site. On inspection, none of these features had evidence of any surface staining from former activities such as chemical spills in their vicinity.

During the walkover no industrial infrastructure (such as tanks or pipe work), storage of significant chemicals or evidence of former spills / leaks from vehicles were observed.

A site features plan can be observed as Figure 2.2 below.



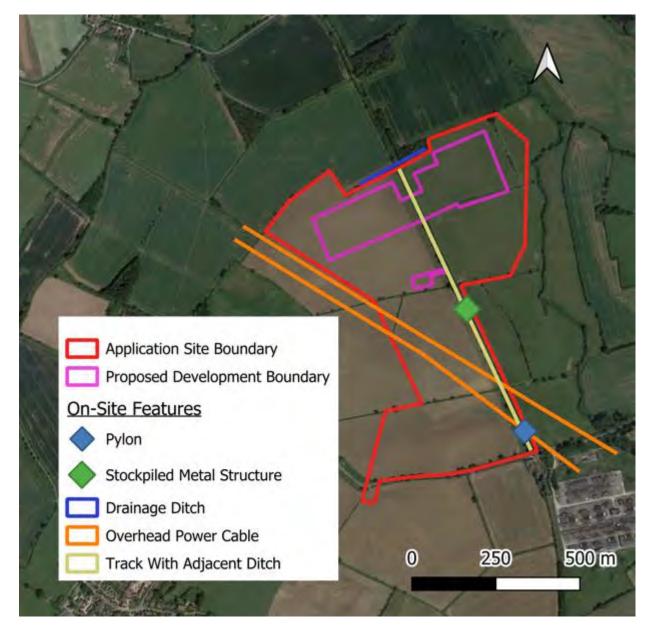


Figure 2.2 Site features plan

### 2.3. Planning Records

The Local Authority Planning Portal has been searched for relevant records both on site and within a 50m radius of the wider site boundary. The following planning reference numbers have been identified relating to previous applications made for the wider site and adjacent areas.

- 96/00098/AEL associated with 'Rebuilding of 7.95km of overhead line, Electricity Grid Sub Station Winslow Road East Claydon Buckinghamshire.'
- 19/00983/APP associated with 'Ground mounted solar farm, ancillary infrastructure and associated works including the diversion of public rights of way and landscape planting | Tuckey Farm East Claydon Road Winslow Buckinghamshire MK18 3ND.'

These applications did not contain any relevant geo-environmental documentation.



### 2.4. Regulatory Consultation

Requests for information have been made to the following bodies:

- Environment Agency (EA), contacted via email on the 10th April 2024. Response received on the 8th May 2024.
- Buckinghamshire Council (BC), contacted via email on the 10th April 2024. Response received on the 10th May 2024.

The response from BC did not contain any additional information that was not already stated within the Envirocheck Report.

Response from the EA did include a pollution incident not stated within the Envirocheck Report. This incident involved 'sewage grey water' and occurred in April 2013. This incident was located on the south-west boarder of the wider site which is approximately 700m south-west of the development boundary. Due to the distance and direction of this incident from the development area, it is not assessed further as a potential contamination source.

Copies of the regulatory consultation undertaken are included as Appendix F.

### 2.5. Unexploded Ordnance

An Unexploded Ordnance (UXO) risk assessment has been carried out by RMS UXO Ltd (RMS), included in Appendix D. The assessment indicates that during the war, the Rural District of Winslow was subject to a very-low level of bombing. As the site was occupied largely by undeveloped land during World War 2 (WWII) and a photograph was not available at this stage, any evidence of damage occurring will not have been visible within sources consulted at a preliminary stage. As the site is located in close proximity to incidents of allied High Explosive (HE) bombs being dropped and aircraft crashes during WWII, the site is considered at a likely risk from UXO contamination in the form of air delivered bombs.

As per CIRIA C681, recommendations suggest advancing to a detailed UXO risk assessment through examination of wartime conditions in the anticipated work area. Before or instead of a detailed assessment, implementing UXO risk mitigation measure for planned intrusive works is advisable.

The above provides a summary of the available UXO risk assessment. However, the full assessment provided in Appendix D must be referred to and takes precedence.

Details of risk management strategies are outlined in CIRIA C681.



## 3. Geological Setting

## 3.1. Site Geology and Anticipated Ground Conditions

Figure 3.1 illustrates the location of the development within the context of a regional geological map. The map illustrates the spatial distribution of superficial (drift) deposits and bedrock outcrops at the ground surface.

The geology map indicates that within the northern and eastern portion of the wider site superficial deposits of Undifferentiated River Terrace Deposits and Alluvium are present. These superficial deposits directly overly the bedrock of the Stewartby Member. In the western and southern portion of the wider site superficial deposits are not present. Instead, the site lies directly above the bedrock of the Weymouth Member. In the northern portion of the site on which the proposed development is located, superficial deposits of the Alluvium and Undifferentiated River Terrace Deposits are present along the northern and eastern border underlain by the Stewartby Member. The Stewartby Member and Weymouth Member are both part of the Oxford Clay Formation.



#### **Artificial Ground and Landslip**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

#### Superficial Geology

Map Lex Code		Rock Name	Rock Type	Min and Max Age	
	ALV	Alluvium		Not Supplied - Holocene	
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian	
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian	
	GDU	Glacial Deposits	Clay, Silt and Sand	Not Supplied - Pleistocene	
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary	

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WEY	Weymouth Member	Mudstone	Not Supplied - Oxfordian
	WWB	West Walton Formation	Mudstone	Not Supplied - Oxfordian
	SBY	Stewartby Member	Mudstone	Not Supplied - Callovian
$\mathbf{H}$	PET	Peterborough Member	Mudstone	Not Supplied - Callovian

Approximate site location marked by red and proposed development boundary by pink.

Figure 3.1 Geological context of the site

The British Geological Survey (BGS) Geology of Britain web map services provide access to the geographic locations and logs of historical borehole investigations and well installations. Historical boreholes surrounding the site are shown in Figure 3.2. The following historical records have been reviewed as part of this assessment; SP72NW184, SP72NW2, SP72NW195, SP72NW170 and SP72NW193. Table 3.1 summarises the preliminary ground model adopted in this desk study, based on the information reviewed. None of the BGS borehole locations are within 500m of the development boundary.





Figure 3.2 Locations of BGS boreholes in close proximity to the site boundary

Table 3.1 Preliminary ground model

Unit	Elevation <sup>[1]</sup> (mOD)	Depth <sup>[1]</sup> (m bgl)	Thickness (m)	Description
Topsoil	85.0 to 95.1	0.0	0.5	Grass over soft to firm dark greyish brown, slight gravelly and slightly sandy clay.
Alluvium <sup>[2]</sup>	84.5 to 94.6	0.5	0.5	Purple mottled dark grey slightly sandy clayey organic silt.
River Terrace Deposits <sup>[2]</sup>	84.5 to 94.6	0.5	0.5	Firm light brown mottled light grey slightly sandy slightly gravelly clay.
Oxford Clay Formation <sup>[3]</sup>	84.5 to 94.6	0.5	60.0m >Base not proven	Stiff orangish brown clay with occasional limestone strata encountered at depth

<sup>1.</sup> Elevation and depth refer to top of stratum

<sup>2.</sup> Limited presence

<sup>3.</sup> Formed of Stewartby Member and Weymouth Member



### 3.2. Groundwater and Hydrogeology

The superficial deposits of the Alluvium and Undifferentiated River Terrace Deposits are classified as Secondary A Aquifers, defined as containing permeable layers capable of supporting water supplies at a local rather than strategic scale, in some cases forming an important source of base flow to rivers. These strata are aquifers formerly classified as Minor Aquifers.

The Oxford Clay Formation (Stewartby Member and Weymouth Member) is listed as Unproductive Strata. Unproductive Strata are low permeability strata that are not considered to retain significant quantities of groundwater. If groundwater is present within Unproductive Strata, for example within more permeable lenses or small fissures, it is typically discontinuous, of low value and very low sensitivity.

Data available from historical BGS boreholes (SP72NW184) indicates that the shallow groundwater table is present at 3m below ground level (bgl). However, this was observed within a borehole where glacial superficial deposits were present. These deposits are not anticipated with the boundary of the proposed development. All other boreholes reviewed did not indicated shallow groundwater.

The site is not identified as being located within a groundwater Source Protection Zone (SPZ) and there are no SPZs recorded within 500m of the wider site.

Localised perched water may also be present associated with any Made Ground at the site.

There is only one abstraction point within a 1km radius of the site. This groundwater abstraction is located 757m southwest of the wider site boundary and operated by J P Hinton for a 'general farming and domestic' use. Due to the distance from the proposed development and the underlying ground model, it is unlikely for any potential on-site contamination to migrate to this abstractor point. For this reason, the groundwater abstraction point 757m southwest is not assessed further herein as a potential receptor.

### 3.3. Hydrology

The Envirocheck report lists two surface water features on site. A review of sensitivity maps, Google Earth and observations during the site walkover have identified this feature as an inland river along the central northern boundary (flowing eastwards) and on the southwestern border of the wider site (flowing eastwards). No surface water features other the a few small land drains are present within the boundary of the proposed development.

Other notable surface water features within a 500m radius of the wider site boundary include an inland river north adjacent, an inland river south adjacent to the wider site (approximately 750m south of the proposed development boundary) and the Claydon Brook flowing northwards approximately 60m east of the wider site boundary at its closest point (approximately 100m east of the proposed development boundary).

There are no surface water abstraction points within a 1km radius of the wider site boundary.

### 3.4. Mining and Mineral Extraction

The site is not listed within the Envirocheck Report as within an area affected by coal mining.

There are no BGS Mineral Site entries listed within the Envirocheck Report within 500m of the site.

No record of mining instability, man-made mining cavities or natural cavities have been recorded within 500m.

#### 3.5. Radon

UK Health Security Agency (UKHSA) and BGS radon mapping indicates that the site is in an area with less than 1% of homes estimated to be at or above the Action Level. *The Building Regulations 2010, Approved Document C* state that without a site-specific Radon Risk Report the maximum requirement for radon protection in these areas is none.



Since no new basement is to be incorporated for the proposed development, no further radon assessment is required, and no radon protection needs to be incorporated into the proposed building fabric.



## 4. Site History

Detailed historical maps, fire insurance plans and aerial photographs of the site and surrounding area dated between 1883 and 2024 (at scales of 1:1,056, 1:1,250, 1:2,500, 1:5,280, 1:10,000 and 1:10,560), provided as part of the Envirocheck Report (Appendix C), have been reviewed as part of the study. This process has been undertaken to identify any former land uses at the site and within the surrounding area that may have geo-environmental implications for the proposed redevelopment.

The findings are summarised in Table 4.1. Only features considered to have a potential geo-environmental impact on the site and usually within a notional 250m radius of the site boundaries are presented and discussed, with any potentially infilled land identified within 500m of the site also included. Any distances quoted for features remote from the site have been scaled from the maps and are approximate. Other information sources available in the public domain have also been reviewed to support this assessment, including the Historic England online Aerial Photo Explorer and historical aerial photographs available on Google Earth.

Table 4.1 History of the site and surrounding areas

Historical Feature	Distance and Bearing from Site	Date of First Map Appearance	Date of Last Map Appearance	Potential to Impact the Site?
	On-Site (within	Site boundary)		
The site is undeveloped land that has a railway line running through its centre in a north to south direction	-	1883	1984	Yes
Small stream and pond along the northern portion of the site (assumed infilled in 1977)	-	1883	1977	Yes
Railway line running through the centre of the site converted into a track	-	1984	Present	No
	On-Site (within deve	elopment boundary)		
The site is undeveloped land that has a railway line running through its centre in a north to south direction	-	1883	1984	Yes
Small stream and pond along the northern portion of the site (assumed infilled in 1977)	-	1883	1977	Yes
Railway line running through the centre of the site converted into a track	-	1984	Present	No
	Off-	site		
Winslow Road Station	South adjacent (approx. 700m south of development boundary)	1883	1958	No  (due to distance from the proposed development site and the underlying ground model)
National Grid electrical sub station	120m south (approx. 700m south of development boundary)	1984	1958	No (due to distance from the proposed development site and the underlying ground model)



## 5. Environmental Designations and Data

## 5.1. Regulatory Data

Regulatory data from the Envirocheck Report in close proximity to the development site (generally within 250m of the site boundary, but with the inclusion of landfill and other notable infilled ground within 500m of the site) has been summarised in Table 5.1. The information provided for each item in Table 5.1 has been summarised from the Envirocheck Report for risk assessment purposes. For a full breakdown of the regulatory data refer to the Envirocheck Report in Appendix C.

Table 5.1 Summary of regulatory data

Table 3.1 Callinary 51109	aratory data		
Distance and Item Bearing from Site		Information	Potential to Impact the Site?
		Agency & Hydrogeological	
			No
		Operator: National Grid Co Plc (Ang Reg)	(due to distance from
	226 SW	<b>Status</b> : Post National River Authority Legislation where issue date >31/08/1989	the proposed development site, the
		Discharge Type: Trade effluent – Site drainage	underlying ground
Discharge Consents		Receiving water: Claydon Brook	model and that the discharge is straight into the Claydon Brook)
Records on site: 0  Records within 0-250m: 2			No
Records Within 0-250m. 2	238 SW	Operator: National Grid Co Plc	(due to distance from
		<b>Status</b> : New consent (water resources Act 1991, Section 88 & schedule 10 as amended by Environmental Agency 1995)	the proposed development site, the
		<b>Discharge Type</b> : Sewage Discharge – Final / treated effluent – not water company onto Land/into watercourse	underlying ground model and that the
		Receiving water: Claydon Brook	discharge is straight into the Claydon Brook)
		Partition Water Fresh at a standard (basel)	No
Pollution Incidents to Controlled Waters		Receiving Water: Freshwater stream / brook	(due to distance from
	64m E	Date: 9 <sup>th</sup> April 1996	the proposed
Records on site: 0		Pollutant: Miscellaneous - Natural	development site and
Records within 0-250m: 1		Severity: Category 3 – Minor incident	the underlying ground model)
		Waste and Landfill	
	On-site		
	(however north adjacent to the	<b>Use</b> : Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	Yes
Potentially Infilled Land (Water)	development boundary)	Date of Mapping: 1959	
Records on site: 1			
Records within 0-250m: 0			No
Records within 250-500m: 2	250-500m: 2 342m S	<b>Use</b> : Unknown Filled Ground (Pond, marsh, river, stream, dock etc)	(due to distance from the proposed
		Date of Mapping: 1959	development site and the underlying ground model)



ltem	Distance and Bearing from Site	Information	Potential to Impact the Site?
	708m W	Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)  Date of Mapping: 1959	No (due to distance from the proposed development site and the underlying ground model)
	Faciliti	ies Registered as using Hazardous Substances	
		No relevant records	
(potential sources of cor		ndustrial Land Uses and Points of Interest I within 100 m of the site boundary, indicates a viable pathway to the	e site may be present)
		No relevant records	

#### 5.2. Flood Risk

Flood Maps for Planning (ref. https://flood-map-for-planning.service.gov.uk/, accessed 12th March 2025) indicates that the site is located within a Flood Zone 1 i.e. there is a low probability of flooding

No further consideration of flood risk is given in this report. Specialist flood risk advice should be sought with regards to drainage and flooding.

## 5.3. Ecology, Flora and Fauna

No records of potentially sensitive ecological receptors as defined by the *Environmental Protection Act (1990) Part 2a (as amended)* have been identified on site or within a 500m radius of the wider site boundary. However, the wider site and proposed development area are within a Nitrate Vulnerable Zone.

An assessment of potential invasive species is not included in this report.



## 6. Proposed Development

The scheme for the proposed East Claydon Greener Grid Park development comprises the development of a Greener Grid Park comprising energy storage and grid balancing equipment and associated infrastructure including access, drainage, landscaping and other incidental works. The development area can be viewed as Figure 6.1. Figure 6.1 shows the existing access track that runs through the central portion of the site that will be updated with hard standing material and provide access to the Greener Grid Park.

The proposed Battery Energy Storage System (BESS) and synchronous compensation compound will have a hardstanding base.



Figure 6.1 Diagram showing proposed development layout



## 7. Conceptual Site Model (CSM) and Preliminary Risk Assessment (PRA)

A means to qualitatively assess the risk posed by potential land contamination to a proposed development is to prepare an initial CSM and carry out a PRA. An initial CSM represents the characteristics of the site influencing the possible relationships between identified potential contaminant sources, pathways and receptors. A PRA is undertaken for each potentially complete source-pathway-receptor linkage (potential contaminant linkage).

An initial CSM and PRA for the proposed development is set-out below in consideration of all the information detailed in the earlier sections of this report. Should any changes be made to the proposed development compared to the details presented herein, or should any new information become available, then the PRA must be updated. Section 7 is a PRA for the **Development Area**.

#### 7.1. Potential Contaminants of Concern

The relevant potential on- and off-site contamination sources are summarised in this section. Off-site potential sources of contamination within 100 m of the site boundary are identified and considered further, as well as potential sources of contamination within 250 m of the site boundary. Relevant potential ground gas sources within 500 m of the site are also identified.

Current and former residential land-uses, retail units, offices and other general commercial uses (non-industrial) are not considered potential sources of contamination unless stated otherwise.

Naturally occurring radon risks are discussed separately in Section 3.

Please be aware that the nature of historical records mean that every potential source of contamination may not be detailed in the available documents. Therefore, there is potential for additional sources of contamination to be present.

#### 7.1.1. On-Site Sources

- Former railway line heavy metals and metalloids, acids / alkalis, PAHs, TPHs, VOC and elevated sulphate.
- Potential former agricultural land uses nitrates, phosphates, pesticides.
- Alluvium Ground gases.
- Infilled land (water) of former pond / river heavy metals and metalloids, acids / alkalis, PAHs, asbestos, ground gases and elevated sulphate.

Potential source location plans are included as Figure 7.1.



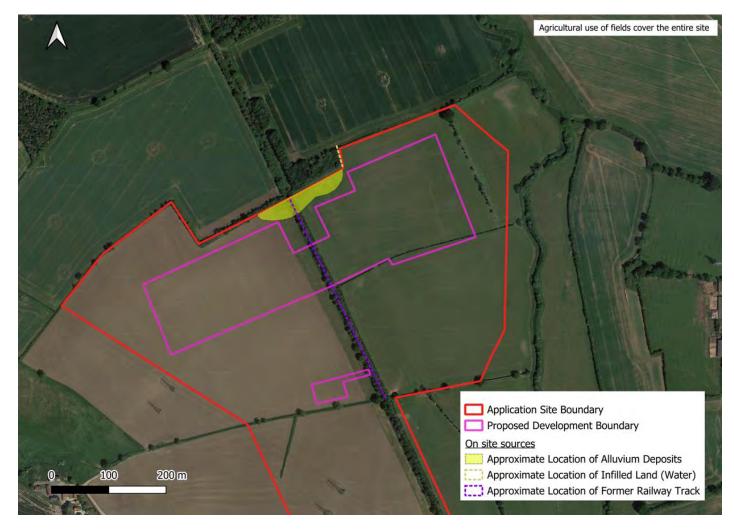


Figure 7.1 Potential on-site contamination sources

#### 7.1.2. Off-Site Sources

Due to the distance of potential off-site sources (i.e National Grid Substation) from the proposed development boundary and the underlying ground model, it is unlikely for contamination sourced from off-site to migrate onto the proposed development. For this reason, no potential off-site sources for the proposed development have been assessed.

#### Notes -

TPH - total petroleum hydrocarbons (inc. BTEX)

PAH – polycyclic aromatic hydrocarbons

VOC - volatile organic compounds

Asbestos - potential free fibres, debris and / or fragments of asbestos containing material (ACM).

Ground gas - methane, carbon dioxide, carbon monoxide and / or hydrogen sulphide (excludes soil vapour)

### 7.2. Potential Pathways

Potential pathways identified as part of this assessment include:

#### 7.2.1. On-Site Human Health

- Dermal contact or ingestion of soil particles at the site.
- Inhalation of ground gas, soil vapour or soil particles at the site.
- Water supply pipes installed as part of the proposed redevelopment becoming compromised by contamination, followed by ingestion of the contaminated water supply.



#### 7.2.2. Off-Site Human Health

- Inhalation of wind-blown soil particles liberated from the site surface.
- Migration off-site at shallow depth followed by direct contact / inhalation / ingestion of contaminated soil particles (e.g. off-site migration via preferential pathways and / or shallow perched water).
- Off-site migration of ground gas or soil vapour followed by accumulation and inhalation within nearby buildings.
- Migration off-site at shallow depth (e.g. via preferential pathways and / or shallow perched groundwater), followed by impact
  to water supply pipes and ingestion of contaminated water supply.

#### 7.2.3. On-Site Buildings and Below Ground Structures

- Direct contact of new building structures / foundations with 'aggressive' ground and / or grossly impacted soils.
- Accumulation of ground gas or soil vapour within buildings followed by ignition.

#### 7.2.4. Off-Site Buildings and Below Ground Structures

- Migration off-site via preferential pathways, shallow groundwater and / or shallow perched water followed by direct contact
  with building structures / foundations.
- Off-site migration of ground gas or soil vapour followed by accumulation and ignition within nearby buildings.

#### 7.2.5. Controlled Waters

- Leaching in the unsaturated zone.
- Perched water percolation and / or lateral migration.
- Migration via advection and diffusion in the saturated zone.
- Vertical and lateral migration of free-phase product in the unsaturated and / or saturated zones.

#### 7.2.6. Sensitive Ecology, Flora and Fauna

- On-site ingestion / dermal contact / inhalation / root uptake.
- Off-site migration at shallow depth (e.g. via preferential pathways and / or shallow perched water) followed by ingestion / dermal contact / inhalation / root uptake.
- Off-site migration via controlled waters pathways followed by ingestion / dermal contact / inhalation / root uptake.

#### 7.3. Potential Receptors

Potential receptors identified as part of this assessment include:

- Human health of proposed site end users (commercial users).
- Property including on-site (proposed).
- Controlled waters (groundwater) Secondary A Aquifer associated with the superficial deposits anticipated beneath the site (Alluvium and Undifferentiated River Terrace Deposits).
- Controlled waters (surface waters) Inland river along the northern border of the site.
- Controlled waters (surface waters) Inland river north adjacent to the proposed development area and Claydon Brook 270m east along the northern border of the site.
- Flora and fauna in proposed soft-landscaped areas and off-site.

Due to the location of the proposed development, there is unlikely to be any human health receptors or off-site properties (closest being residential homes 250m west) within a 250m radius of the site. Due to the underling ground model it is unlikely for on-site contamination to migrate off-site these distances. For this reason, off-site human health receptors and properties/buildings have not been assessed further.



Due to the distance of the on the inland river in the southeast corner of the wider site from the proposed development area (approximately 600m southwest) and the inland river 750m south of the proposed development boundary in addition to the underlying ground model, it is unlikely for any contamination sourced within the proposed development area to migrate this distance. Therefore, this inland river has not been assessed further as a potential controlled water receptor.

Risks to site workers and the environment (from potential land contamination) during the construction phase of the proposed redevelopment can be appropriately managed by successful implementation of construction phase risk assessments and method statements (RAMS). The associated construction phase risks from potential contamination are not considered further in this document but should be appropriately considered and mitigated by the Principal Contractor in their preparation and implementation of construction phase RAMS and Construction Phase Plan (CPP).

## 7.4. Summary of Potential Contaminant Linkages

There are some potentially complete contaminant linkages based on the identified sources, pathways and receptors. Table 7.1 presents a PRA for contaminant linkages relevant for the proposed development. Qualitative risk classifications are provided in accordance with CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001) (see summary in Appendix B). Where there is no potentially complete contaminant linkage then no risk classification is provided. The PRA is applicable to current climatic conditions and those that may be expected in future due to human induced climate change.

Table 7.1 Preliminary Risk Assessment (PRA)

Potential Contaminant Source	Potential Pathway	Potential Receptor	Potential Contaminant Linkage	Risk Level Classification
	Direct contact with soil		Yes	Low
	Inhalation of windblown soil		(the proposed development site has a completely sealed surface	Low
	Ingestion of soil		therefore exposure is limited)	Low
	Impact to water supply pipes followed by ingestion of contaminated water supply	Human health of	Yes  (Former site use is unlikely to have generated substantial contamination to impact water supply pipes on site)	Low
On-site See Section 7.1.1	Ground gas generation and inhalation	proposed site end users (see Section 7.3)	Yes  (Though sources of ground gas have been identified on site in the form of Alluvium and infilled land (water), the infilled land (water), is likely to have degassed since being infill in 1977 (47 years at time of writing) along with the Alluvium.	Low
	Soil vapour generation and inhalation		Yes (Though volatile contamination has been	Low



Potential Contaminant Source	Potential Pathway	Potential Receptor	Potential Contaminant Linkage	Risk Level Classification
			identified on site, due to the site history it is unlikely for substantial volatile contamination to have been generated)	
	Direct contact		Yes  (Structures may be constructed in impacted soils or be subjected to sulphate "attack")	Low to moderate †
	Migration followed by ignition of ground gas	On-site buildings / structures (proposed)	Yes  (Though sources of ground gas have been identified on site in the form of Alluvium and infilled land (water), the infilled land (water) is likely to have degassed since being infill in 1977  (47 years at time of writing) along with the Alluvium.	Low
	Migration followed by ignition of soil vapour		Yes  (Though volatile contamination has been identified on site, due to the site history it is unlikely for substantial volatile contamination to have been generated)	Low
	Leaching and migration to groundwater via the unsaturated zone;  Perched water percolation or lateral migration;  Migration via advection and diffusion in the saturated zone; and  Vertical and lateral migration of free-phase product in the unsaturated	Controlled waters - Underlying Secondary A Aquifer (Alluvium and Undifferentiated River Terrace Deposits)  Inland river north adjacent to proposed development area and Claydon Brook 270m east	Yes  (Ground model indicated shallow groundwater may be present associated with natural superficial deposits beneath the site however, site history is unlikely to have sourced substantial contamination)	Low
	and saturated zones.  On-site ingestion / dermal contact / inhalation / root uptake	Flora and fauna in proposed soft-landscaped areas at the site	No (the proposed development has no areas of soft landscaping)	No classification
	Off-site migration at shallow depth followed by	Off-site flora and fauna in soft-landscaped areas nearby	Yes (proposed development is surrounded by soft	Very Low



Potential Contaminant Source	Potential Pathway	Potential Receptor	Potential Contaminant Linkage	Risk Level Classification
	ingestion / dermal contact		landscaping and is	
	/ inhalation / root uptake		classed as a nitrate	
			vulnerable zone. However,	
			the former site use is an	
			unlikely source of	
			substantial nitrate	
			contamination)	

† - unacceptable risk (ref. LCRM guidance)

The PRA has identified potentially complete source-pathway-receptor linkages for on-site sources of contamination with generally a 'very low' to 'low' risk classification. This is principally due to the history of the site having no substantial former commercial /industrial activities identified. The PRA indicates that there are no unacceptable risks to human health (via soil ingestion, inhalation and dermal contact pathways), sensitive ecology, controlled waters and off-site buildings / structures. However, 'low to moderate' risk have been identified for proposed on-site buildings / structures due to potential sulphate attack on proposed below-ground concrete structures which can be mitigated by the use of appropriate concrete design. On this basis, targeted geo-environmental ground investigation is not considered necessary.

If unexpected contamination is identified during the earthworks for the proposed development then the discovery strategy included as Appendix A should be followed.

#### 7.5. Data Gaps and Uncertainties

Key data gaps and uncertainties identified in the CSM at this stage include:

- No previous ground investigations specific to contamination have been made available, therefore no information on the actual presence, or absence, of contamination is currently available.
- Depth to groundwater and flow direction are conceptual at this stage.

The identified key data gaps can be addressed by undertaking the recommended geo-environmental ground investigation.



## 8. Closing Remarks

A-squared has been engaged by Lichfields Ltd on behalf of Statkraft UK Ltd to prepare a phase I desk study report for the proposed Greener Grid Park development at the land north of East Claydon Substation, Claydon Road, MK18 2LF. The site is current undeveloped fields with the proposed scheme comprising the development of a BESS, synchronous compensators and associated infrastructure in the northern portion of the wider site with an access road.

The proposed development area is underlain by superficial deposits of the Alluvium and Undifferentiated River Terrace Deposits along the northern and eastern border which in turn are underlain by the bedrock of the Stewartby Member which is part of the Oxford Clay Formation.

The PRA has identified potentially complete source-pathway-receptor linkages for on-site sources of contamination with generally a 'very low' to 'low' risk classification. This is principally due to the history of the site having no substantial former commercial /industrial activities identified. The PRA indicates that there are no unacceptable risks to human health (via soil ingestion, inhalation and dermal contact pathways), sensitive ecology, controlled waters and off-site buildings / structures. However, 'low to moderate' risk have been identified for proposed on-site buildings / structures due to potential sulphate attack on proposed below-ground concrete structures which can be mitigated by the use of appropriate concrete design. On this basis, targeted geo-environmental ground investigation is not considered necessary.

No further radon assessment is required and no radon protection needs to be incorporated into the proposed building fabric.

The final specification for newly installed water supply pipes should be based on the risk assessments and recommendations presented herein and also agreed with the statutory undertaker. It is anticipated that uprated water supply pipe construction may not be necessary.

Risks to site workers and the environment (from potential land contamination) during the construction phase of the proposed redevelopment can be appropriately managed by successful implementation of construction phase RAMS. The associated construction phase risks from potential contamination should be appropriately considered and mitigated by the Principal Contractor in their preparation and implementation of construction phase RAMS and CPP.

This desk study should be made available to those preparing the operational site Health & Safety File for the proposed development.

As per CIRIA C681, recommendations suggest advancing to a detailed UXO risk assessment through examination of wartime conditions in the anticipated work area is recommended. Before or instead of a detailed assessment, implementing UXO risk mitigation measure for planned intrusive works is advisable.

Should any changes be made to the proposed development compared to the details presented herein, or should any new information become available, then the assessments included in this desk study must be updated.

The Client should inform A-squared of the foundation termination depths once final designs have been prepared so that no requirement for a foundation works risk assessment can be confirmed.



Appendix A: Unexpected Contamination Strategy





Project East Claydon Greener Grid Park

Project No. 3358

Subject Discovery Strategy for Unexpected Contamination

Client Statkraft UK LTD

Document Reference	Status	Revision	Issued	Approved	Date
3358-A2S-XX-XX-TN-Y-0001-00	First Issue	00	Finlay Campbell MSci (Hons) MIEnvSc	Adam Cadman BSc (Hons) MSc CGeol FGS	14/03/25
3358-A2S-XX-XX-TN-Y-0001-01	Second Issue	01	Finlay Campbell MSci (Hons) MIEnvSc	Adam Cadman BSc (Hons) MSc CGeol FGS	02/04/25
3358-A2S-XX-XX-TN-Y-0001-02	Third Issue	01	Finlay Campbell MSci (Hons) MIEnvSc	Adam Cadman BSc (Hons) MSc CGeol FGS	11/04/25
3358-A2S-XX-XX-TN-Y-0001-03	Third Issue	01	Finlay Campbell MSci (Hons) MIEnvSc	Adam Cadman BSc (Hons) MSc CGeol FGS	24/04/25

## 1. Introduction

A-squared Studio Engineers Ltd (A-squared) have been engaged by Lichfields Ltd (Lichfields) on behalf of Statkraft UK LTD (Statkraft) to prepare a Discovery Strategy Technical Note to account for the circumstance if unexpected contamination is identified during the earthworks for the proposed development at the land north of East Claydon Substation, Claydon Road, MK18 2LF (herein called the 'wider site'). The proposed development is described in more detail in Section 1.2 but can generally be described as the development of a Battery Energy Storage System (BESS) development and associated infrastructure in the northern portion of the wider site with an access road. The wider site and proposed development boundaries can be observed below in Figure 1.1.



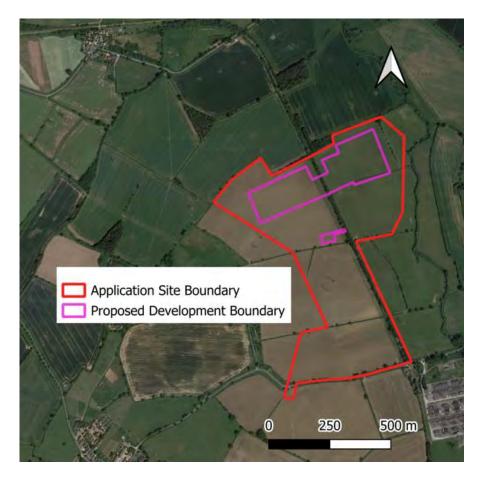


Figure 1.1 Site Location Plan indicating the wider site boundary (red) and proposed development boundary (blue).

#### 1.1. Proposed Development

The current Greener Grid Park compounds cover an area of circa 8.6ha area, within the wider 45.3ha site. The scheme for the proposed development comprises the development of a Battery Energy Storage System (BESS). The BESS component will have a capacity of 500MW. It will store excess energy generated by the National Grid, and, in doing so, provide a reserve power supply to the local electricity grid and in a wider context will enable further renewable energy generation to deploy onto the grid.

The BESS would comprise 4 quadrants of 125MW capacity, with each block consisting of modular battery energy storage units, inverter and transformers with associated structures. The layout of the proposed development block plan can be viewed as Figure 1.2.

The proposed BESS area looks to be completely covered in hard standing with no new areas of proposed soft landscaping.





Figure 1.2 Proposed block plan

### 1.2. Site Geology and Ground Model

Figure 1.3 illustrates the location of the development within the context of a regional geological map. The map illustrates the spatial distribution of superficial (drift) deposits, bedrock outcrops at the ground surface and previous BGS boreholes in the area.

The geology map indicates that within the northern and eastern portion of the wider site superficial deposits of Undifferentiated River Terrace Deposits and Alluvium are present. These superficial deposits directly overly the bedrock of the Stewartby Member. In the western and southern portion of the wider site superficial deposits are not present. Instead, the site lies directly above the bedrock of the Weymouth Member. In the northern portion of the site on which the proposed development is located, superficial deposits of the Alluvium and Undifferentiated River Terrace Deposits are present along the northern and eastern border underlain by the Stewartby Member. The Stewartby Member and Weymouth Member are both part of the Oxford Clay Formation. Based on geological maps and BGS borehole data, a preliminary ground model has been developed which is summarised in Table 1.1.





#### **Artificial Ground and Landslip**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

#### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GDU	Glacial Deposits	Clay, Silt and Sand	Not Supplied - Pleistocene
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WEY	Weymouth Member	Mudstone	Not Supplied - Oxfordian
	WWB	West Walton Formation	Mudstone	Not Supplied - Oxfordian
	SBY	Stewartby Member	Mudstone	Not Supplied - Callovian
	PET	Peterborough Member	Mudstone	Not Supplied - Callovian

Approximate site location marked by red and proposed development boundary by blue.

Figure 1.3 Geological context of the site

Table 1.1 Preliminary ground model

Unit	Elevation <sup>[1]</sup> (mOD)	Depth <sup>[1]</sup> (m bgl)	Thickness (m)	Description
Topsoil	85.0 to 95.1	0.0	0.5	Grass over soft to firm dark greyish brown, slight gravelly and slightly sandy clay.
Alluvium <sup>[2]</sup>	84.5 to 94.6	0.5	0.5	Purple mottled dark grey slightly sandy clayey organic silt.
River Terrace Deposits <sup>[2]</sup>	84.5 to 94.6	0.5	0.5	Firm light brown mottled light grey slightly sandy slightly gravelly clay.
Oxford Clay Formation <sup>[3]</sup>	84.5 to 94.6	0.5	60.0m >Base not proven	Stiff orangish brown clay with occasional limestone strata encountered at depth

<sup>1.</sup> Elevation and depth refer to top of stratum

#### 1.3. Site History

Historical maps provided in the A-Squared Phase I Desk Study (ref: 3358-A2S-XX-XX-RP-Y-0001-01) indicate that the wider site, inclusive of the area for the proposed Greener Grid Park, has always been undeveloped other than the presence of a railway line cutting across the central region in a north to south orientation. This railway line was first observed on historical maps dated 1883 and was recorded to have been converted into an access road / track in 1984. Other notable features observed on the historical maps include a small stream along the northern boundary of the wider site between the years of 1883 to 1977. Due to the absence of this stream in recent historical maps and it not being identified during the site walkover undertaken as part of the Phase I Desk Study, the

<sup>2.</sup> Limited presence

<sup>3.</sup> Formed of Stewartby Member and Weymouth Member



stream is assumed to have been infilled. Notable features in the surrounding area identified on historical maps include a former railway station south adjacent to the wider site boundary (mapped between 1883 and 1958) and a National Grid electrical substation 120m south of the wider site (1984 to present).

## 2. Discovery Strategy and Watching Brief

This section provides a specification for the Contractor to characterise and manage unexpected contaminated soils encountered during proposed earthworks.

The Contractor shall be responsible for developing and implementing appropriate risk assessments and method statements (RAMS). Appropriate inclusions shall also be made in the Construction Phase Plan (CPP).

The Contractor shall be required to make their own judgement on the contamination mitigation required for the protection of workers, general public and surrounding environment during the construction phase. It is recommended that the contractor reads the A-squared Phase I Desk Study before finalising mitigation measures.

The Contractor shall consider the presence of unexploded ordnance (UXO) and all site-based staff and crews shall be briefed accordingly. The Contractor's method statements shall detail the procedures and protocols should any indication or suspicion of UXO be evidenced or encountered.

The Contractor shall ensure that all necessary consents, permits and approvals etc. with the relevant authorities and stakeholders are in place ahead of commencing work.

Quality assurance is an important thread throughout this Discovery Strategy Technical Note. This is achieved through the provision of an accurate and permanent record of the works. This Discovery Strategy Technical Note specifies what details are to be measured on-site during the works and how records will be kept. In general, if unexpected contamination is encountered then records relating to any relevant works will be compiled and maintained by the Principal Contractor and provided to the project geo-environmental consultant for inclusion in a Completion Report.

#### 2.1. Unexpected Contamination Discovery Strategy

The Contractor shall implement a watching brief during any earthworks associated with the development to ensure material types are correctly identified and segregated, and to look for evidence of any unexpected contamination. The findings of the watching brief shall be recorded on a daily basis.

If evidence of unexpected contamination is encountered, then the Contractor shall safely stop work in the affected area and the project geo-environmental consultant shall be engaged to inform future works. Alternatively, the Contractor can move the subject material and place it in a quarantine area ready for investigation by the geo-environmental consultant. The following shall be recorded by the Contractor if evidence of unexpected contamination is encountered:

- Details of the suspected contamination (including photographs)
- The mitigation measures to be employed (decided in collaboration with the projects geo-environmental consultant). Before
  deciding on the mitigation to be employed, the consultant may specify soil sampling and laboratory analysis to help identify
  whether there is contamination and / or the degree of impact. Soil sample head-space readings may also be necessary.

All records shall be provided to the project geo-environmental consultant to include in a completion report.

Examples of unexpected contamination are provided in Table 2.1.



Table 2.1 Example evidences of unexpected contamination

Evidence	Details
	Fuel or oil-like substances mixed in with or smeared on the soil or
	floating on perched groundwater.
	Waste materials (refuse, barrels, industrial waste, ash or tar) buried on
	site.
Visual	Marked variations in colour (such as red, orange, yellow, green, light orange).
	dark blue) may indicate the presence of a range of contaminants.
	<ul> <li>Soils including large amounts of ash and clinker.</li> </ul>
	<ul> <li>Asbestos containing material (ACM) fragments.</li> </ul>
•	<ul> <li>Fuel, oil and chemical type odours including solvents.</li> </ul>
Odours	<ul> <li>Unusual odours such as sweet odours or fishy odours.</li> </ul>
	Feeling lightheaded or nausea when near excavations, at the working
Wellbeing	face of an excavation, or near soils being handled and stockpiled.
	<ul> <li>Burning of nasal passages, throat, lungs or skin.</li> </ul>
	<ul> <li>Blistering or reddening of skin due to contact with soil.</li> </ul>

#### 2.1.1. In-situ Head Space Testing

If evidence of olfactory contamination such as hydrocarbon odours or staining are detected then soil sample head-space testing needs to be implemented with a photoionisation detector (PID) used to screen the relevant soil sample(s) for the presence of volatile compounds using standard industry techniques. The head-space testing and PID operation must be done by a competent person.

The PID results from the head-space testing must be recorded. The project geo-environmental consultant must be informed if a PID result is >10 ppm.

The PID shall be appropriately calibrated using isobutylene gas before use. The PID shall be installed with a 10.6eV lamp.

#### 2.1.2. Soil Sampling

If it is decided by the projects geo-environmental consultant that soil sampling and laboratory analysis of segregated unexpected contaminated material is to be undertaken for further assessment then the following should be completed.

- Step 1 Soil sampling at a minimum frequency of 1 sample per 200 m<sup>3</sup> of segregated material.
- **Step 2** Photographs of the sample material taken.

**Step 3** –Examples of unexpected contamination provided in Table 2.1, each sample shall be submitted for at least the following laboratory analysis:

- · Soil organic matter
- Total organic carbon
- pH
- Sulphates
- Heavy metals (including antimony, arsenic, barium, beryllium, boron, cadmium, chromium III, chromium VI, copper, lead, mercury, nickel, selenium, vanadium, zinc)
- Speciated Total Petroleum Hydrocarbon (TPH) >C5-40 (CWG methodology) including Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) group and Methyl Tert Butyl Ether (MTBE).
- Speciated Polycyclic Aromatic Hydrocarbons (PAH) EPA16 suite.
- Asbestos ID (followed by quantification if asbestos identified).



- Speciated Volatile Organic Compounds (VOC) suite.
- Full WAC suite (in accordance with the method defined by BS EN 12457-2 at 10:1 liquid / solid ratio).

Dependent upon the unexpected contamination encountered, analysis for additional contaminants may be required.

Step 4 - When the laboratory results are received the Contractor shall compare them to the criteria in Appendix A.

**Step 5** - If there are no exceedances of the criteria then no further segregation of the stockpiled material is needed. If exceedances of the criteria are identified then the Contractor shall inform the projects geo-environmental consultant to agree the action to be taken. Typical action to be agreed would be off-site disposal of the impacted material.

All samples shall be taken, stored and transported in general accordance with the British Standard 10175: 2011 Code of Practice for Investigation of Potentially Contaminated sites.

Each soil sample is to comprise the container(s) required to meet laboratory requirements for chemical analysis without deviation.

Soil samples shall be collected into sampling containers as soon as practically possible. Samples shall be suitably preserved in a cool box or otherwise with ice and / or freezer pack if necessary and samples shall be couriered along with the relevant chain of custody to the chosen laboratory. The Contractor shall ensure that all samples are delivered to the laboratory in such a manner that no deviating laboratory results are achieved.

The Contractor shall schedule the samples for the testing specified herein. The geo-environmental consultant should be consulted and assist with scheduling the testing of unexpected contamination.

The Contractor shall arrange chemical testing to International Standard BS EN ISO/IEC 17025 at a laboratory accredited by UKAS

### 2.2. Completion Reporting

In the event that unexpected contamination is identified, a completion report should be prepared by the geo-environmental consultant once the Contractor has finished the earthworks. The completion report shall summarise the works undertaken if unexpected contamination was encountered and provide a record of the watching brief, photographs, chemical characteristics of the potentially contaminated material and, if required the remedial works undertaken.



## Appendix A: Site Acceptance Criteria

The Site Acceptance Criteria (SAC) for the potentially contaminated material are presented in Table A. To be acceptable, materials must be shown to have chemical concentrations below or equal to the SAC for all determinants listed in Table A at the required sampling / testing frequency. Please see the Notes at the base of Table A as these are important.

All SAC have been selected based on a risk assessments for the proposed site use. As the site is to be used as a BESS a SAC for a 'commercial' land use in accordance with Suitable 4 Use Levels' (S4ULs) human health generic assessment criteria and 1 % soil organic matter has been used. In addition, each SAC has been limited to a maximum of 1,000 mg/kg as a precautionary measure.

All soils must also meet any relevant landscape architect specification and achieve all geotechnical requirements

Table A Verification SAC (for the unexpected contaminated material encountered)

Determinant	Concentration in soil potentially impacted by unexpected contamination (mg/kg)
Asbestos	<0.001% w/w In addition, no ACM fragments shall be visible to the naked eye
Arsenic	640
Barium	1,000
Beryllium	12
Boron	1,000
Cadmium	410
Chromium III	1,000
Copper	1,000
Lead	1,000
Mercury	25.8
Molybdenum	1,000
Nickel	980
Selenium	1,000
Vanadium	1,000
Zinc	1,000
Hexavalent Chromium	49
Acenaphthene	1,000
Acenaphthylene	1,000
Anthracene	1,000
Benzo(a)anthracene	170



Determinant	Concentration in soil potentially impacted by unexpected contamination (mg/kg)
Benzo(a)pyrene	77
Benzo(b)fluoranthene	44
Benzo(g,h,i)perylene	1,000
Benzo(k)fluoranthene	1,000
Chrysene	350
Dibenz(a,h)anthracene	3.5
Fluoranthene	1,000
Fluorene	1,000
Indeno(1,2,3-cd)pyrene	500
Naphthalene	1,000
Phenanthrene	1,000
Pyrene	1,000
Benzene	27
Toluene	1,000
Ethyl benzene	1,000
Total xylenes	1,000
>C5-C6 Aliphatic	1,000
>C6-C8 Aliphatic	1,000
>C8-C10 Aliphatic	1,000
>C10-C12 Aliphatic	1,000
>C12-C16 Aliphatic	1,000
>C16-C35 Aliphatic	1,000
>C35-C44 Aliphatic	1,000
>C5-C7 Aromatic	1,000
>C7-C8 Aromatic	1,000
>C8-C10 Aromatic	1,000
>C10-C12 Aromatic	1,000
>C12-C16 Aromatic	1,000



Determinant	Concentration in soil potentially impacted by unexpected contamination (mg/kg)
>C16-C21 Aromatic	1,000
>C21-C35 Aromatic	1,000
>C35-C40 Aromatic	1,000
Total TPH >C5-C40 (CWG methodology)	1,000
Total PAH (EPA16 suite)	1,000

Note – frequency of sampling is as indicated elsewhere this Discovery Strategy.

Note – all laboratory testing should be undertaken in accordance with ISO17025 and MCERTS by a UKAS accredited laboratory.

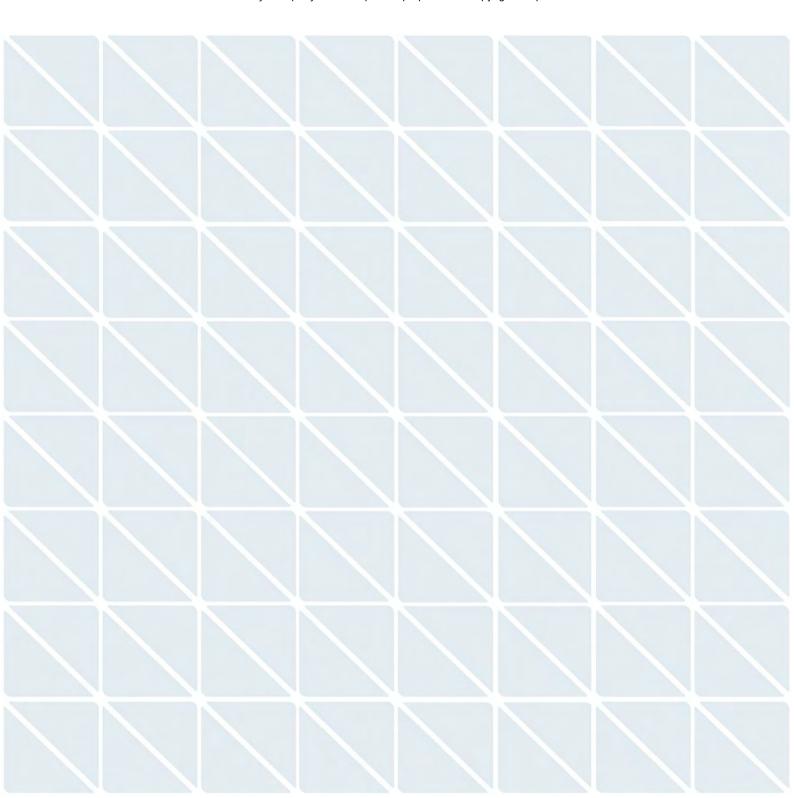


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## Appendix B: Qualitative Risk Assessment Matrix

A-squared Studio Engineers Ltd. qualitative risk assessment for geo-environmental purposes is undertaken in accordance with CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001). The CIRIA C552 risk categories and the assessment methodology are summarised below in Table B.1, Table B.2 and Table B.3. Potential magnitude and potential likelihood are both classified to enable a risk rating to be assessed.

Potential magnitude takes into account the potential consequences should a complete source–pathway–receptor linkage be present. Potential magnitude is classified as per Table B.1.

Table B.1 Definition of potential magnitude of consequence

Category	Definition
Severe	Acute risks to human health, catastrophic damage to buildings / property, major pollution to controlled waters.
Medium	Chronic risk to human health, pollution of sensitive controlled waters, significant effects on sensitive ecosystems or species, significant damage to buildings or structures.
Mild	Pollution of non-sensitive waters, minor damage to buildings or structures.
Minor	Damage to non-sensitive ecosystems or species.

Potential likelihood takes into account the presence of the hazard and receptor as well as the integrity of the pathway for exposure, i.e., whether a source-pathway-receptor linkage is present or not. Potential likelihood is classified as per Table B.2.

Table B.2 Definition of potential likelihood of exposure

Category	Definition
High Likelihood	Pollutant linkage may be present and is almost certain to occur in the long-term. Or there is evidence of harm to the receptor.
Likely	Pollutant linkage may be present, and it is probable that it will occur over the long-term.
Low Likelihood	Pollutant linkage may be present, and there is a possibility that it will occur, although there is no certainty that it will do so.
Unlikely	Pollutant linkage may be present, but it is improbable that it will occur.

The potential magnitude of consequence and the potential likelihood of exposure are assessed in accordance with the risk matrix presented in Table B.3.



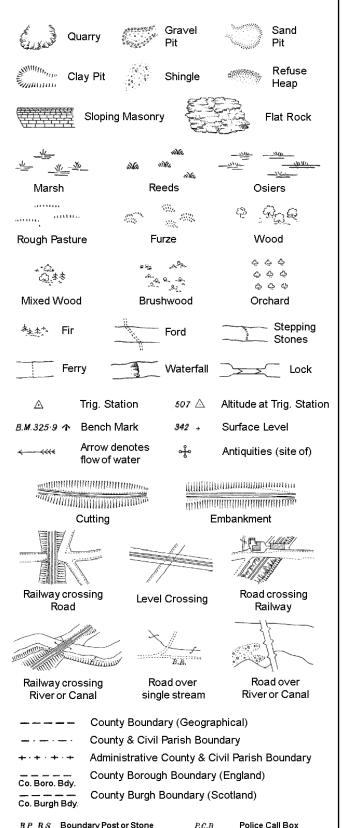
#### Table B.3 Geo-environmental risk assessment matrix

		Potential Magnitude of Consequence				
		Severe	Medium	Mild	Minor	
d of	High Likelihood	Very High	High	Moderate	Low to Moderate	
celihoo sure	Likely	High	Moderate	Low to Moderate	Low	
Potential Likelihood Exposure	Low Likelihood	Moderate	Low to Moderate	Low	Very Low	
Pote	Unlikely	Low to Moderate	Low	Very Low	Very Low	



Appendix C: Envirocheck Report

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



B.R.

E.P

F.B.

Bridle Road

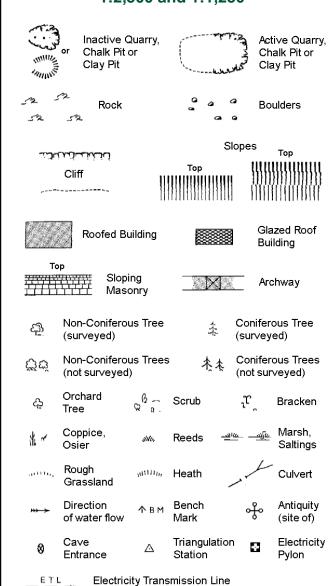
Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



	– — Co	ounty Boundary (	Geographical)
· — ·	· Co	ounty & Ci∨il Pari	sh Boundary
	· · · · · Ci	vil Parish Bounda	ary
• 🛨 •		lmin. County or C	ounty Bor. Boundary
- <del></del>	<del>e</del> Lo	ndon Borough Be	oundary
0 4°	-	mbol marking po ereing changes	int where boundary
вн	Beer House	Р	Pillar, Pole or Post
BP, BS	Boundary Post or	Stone PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountair	ı Pp	Pump
EIP	Electricity Pillar or	Post SB, S E	r Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light

Spr

Tk

тсв

TCP

Wd Pp

Spring

Trough

Wind Pump

Tank or Track

Telephone Call Box

Telephone Call Post

Water Point, Water Tap

FB

LC

MP

MS

NTL

Pump

Spring

Trough

Well

Signal Post

Telephone Call Box

S.P

Sl.

 $T_{T}$ 

Foot Bridge

Guide Post

Manhole

Level Crossing

Normal Tidal Limit

Hydrant or Hydraulic

Mile Post or Mooring Post

# 1:1,250

			Slo	pes	
والملارد	لانتنانان		Oic	pes	Тор
	Cliff	11111	Тор	111111	<u> </u>
		11111		- 111111	
		111111	(11.18.1.111111111111111111111111111111	111111	[[]]]
3	Rock		52	Rock (se	cattered)
$ \Box^{\sigma} $	Boulders		2	Boulder	s (scattered)
	Positioned	l Boulder		Scree	
<u>ක</u> ු	Non-Conit	ferous Tree l)	\$	Conifero	ous Tree ed)
Öö	Non-Conit (not surve	ferous Trees yed)	春春	Conifer (not sur	ous Trees ∨eyed)
දා	Orchard Tree	Q a.	Scrub	'n,	Bracken
* ~	Coppice, Osier	siVe, F	Reeds 🗝	<u>ര —മും</u>	Marsh, Saltings
actitic,	Rough Grassland	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Heath	1	Culvert
» <del>» &gt;</del>	Direction of water fl		Friangulation Station	ઌ૾ૺ	Antiquity (site of)
E_TL	_ Electric	city Transmiss	sion Line	$\boxtimes$	Electricity Pylon
\ <del> </del>	231.6ûm	Bench Mark	7		gs with g Seed
	Roof	ed Building		81	lazed Roof uilding
		Ci∨il parish/o	sommunity h	oundary	
• •		•	-	ouridar y	
		District bour	-		
_ •		County bour	ndary		
¢	,	Boundary po	st/stone		
ž		Boundary me always appe of three)			
Bks	Barracks		Р	Pillar, Po	le or Post
Bty	Battery		PO	Post Off	
Cemy	Cemetery		PC		onvenience
Chy	Chimney		Pp	Pump	<b>-</b>
Cis	Cistern	.4. J.D.9	Ppg Sta		g Station
Dismtd F El Gen S	•	itled Railway	PW Sawaga B		Worship
EIGENS	Station		Sewage P	P	ewage umping Station
	Electricity ta Electricity	Pole, Pillar	SB, S Br	_	Sox or Bridge
FB	Filter Bed	Jun Judioii	SP, SL Spr	Spring	ost or Light
	Ju		- P-1	- P. III 9	

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

Mile Post or Mile Stone

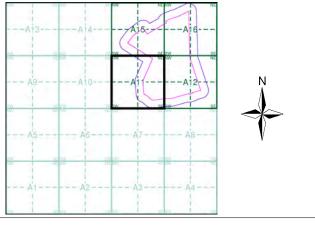
# Envirocheck®

LANDMARK INFORMATION GROUP

#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Buckinghamshire	1:2,500	1878 - 1879	2
Buckinghamshire	1:2,500	1899	3
Buckinghamshire	1:2,500	1923 - 1925	4
Ordnance Survey Plan	1:2,500	1977 - 1978	5
Large-Scale National Grid Data	1:2,500	1993	6
Historical Aerial Photography	1:2,500	1999	7

## **Historical Map - Segment A11**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 474360, 226200 Slice: 61.62 Site Area (Ha):

Search Buffer (m): **Site Details** 

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

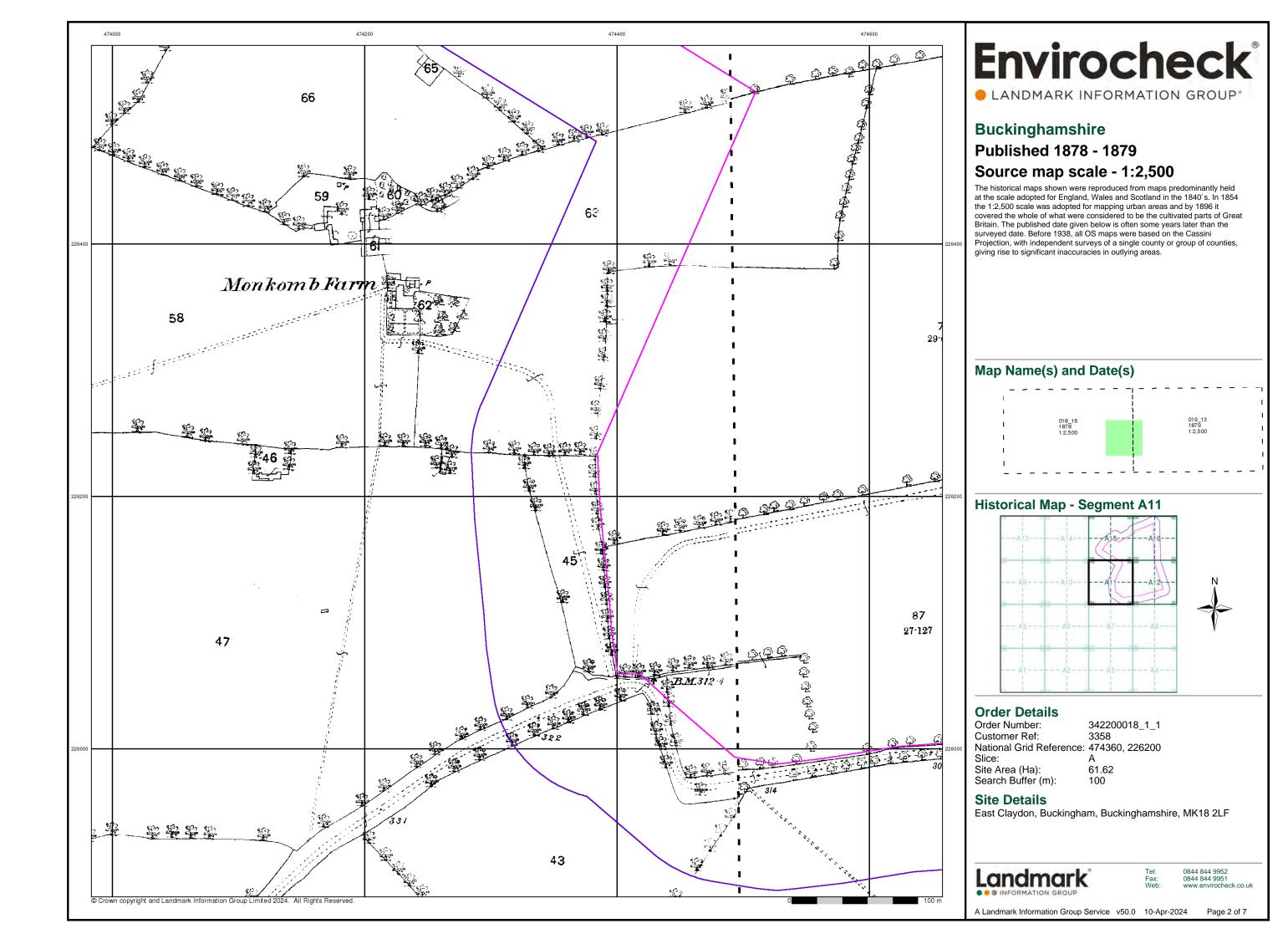
Wd Pp

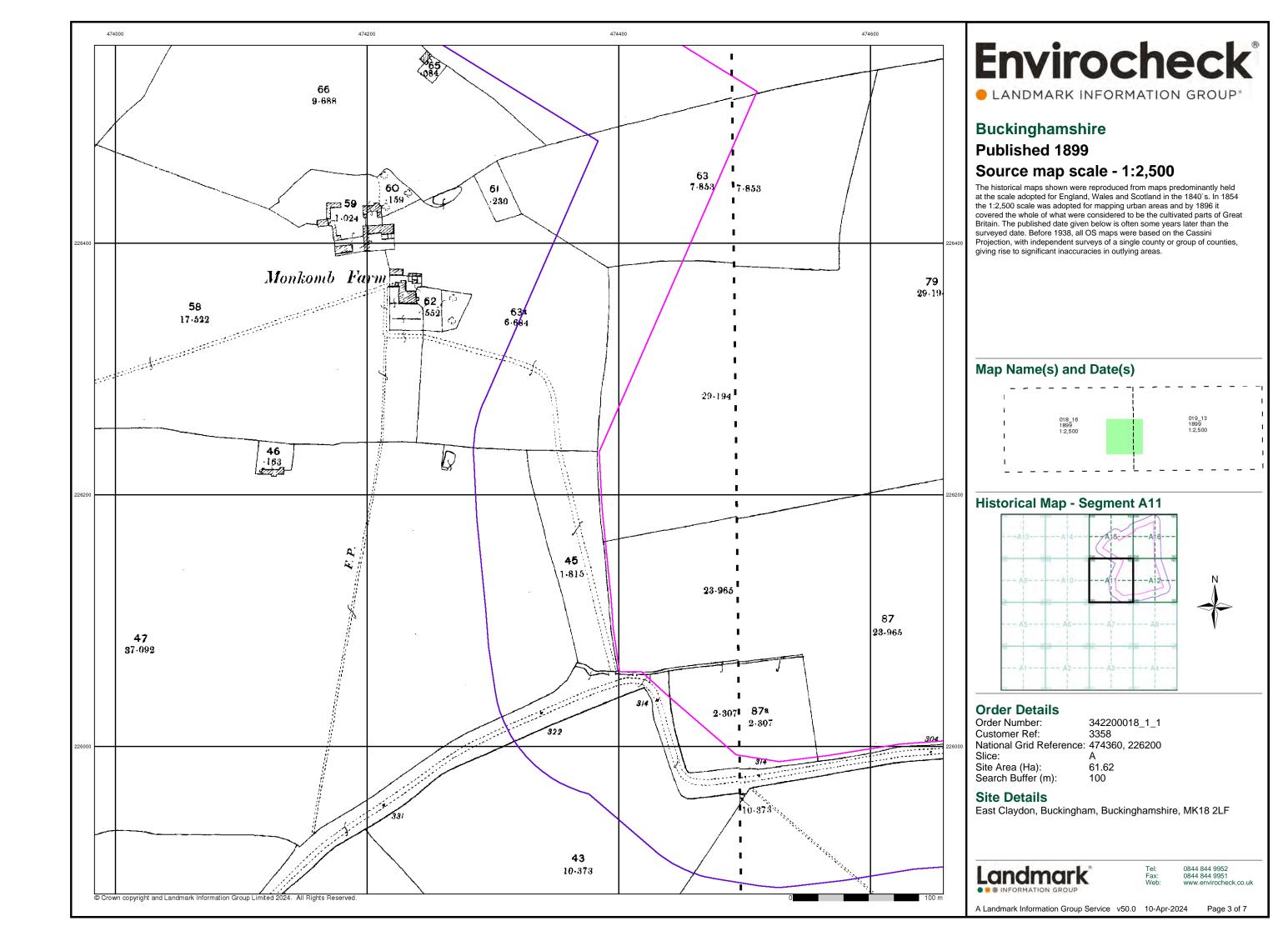
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

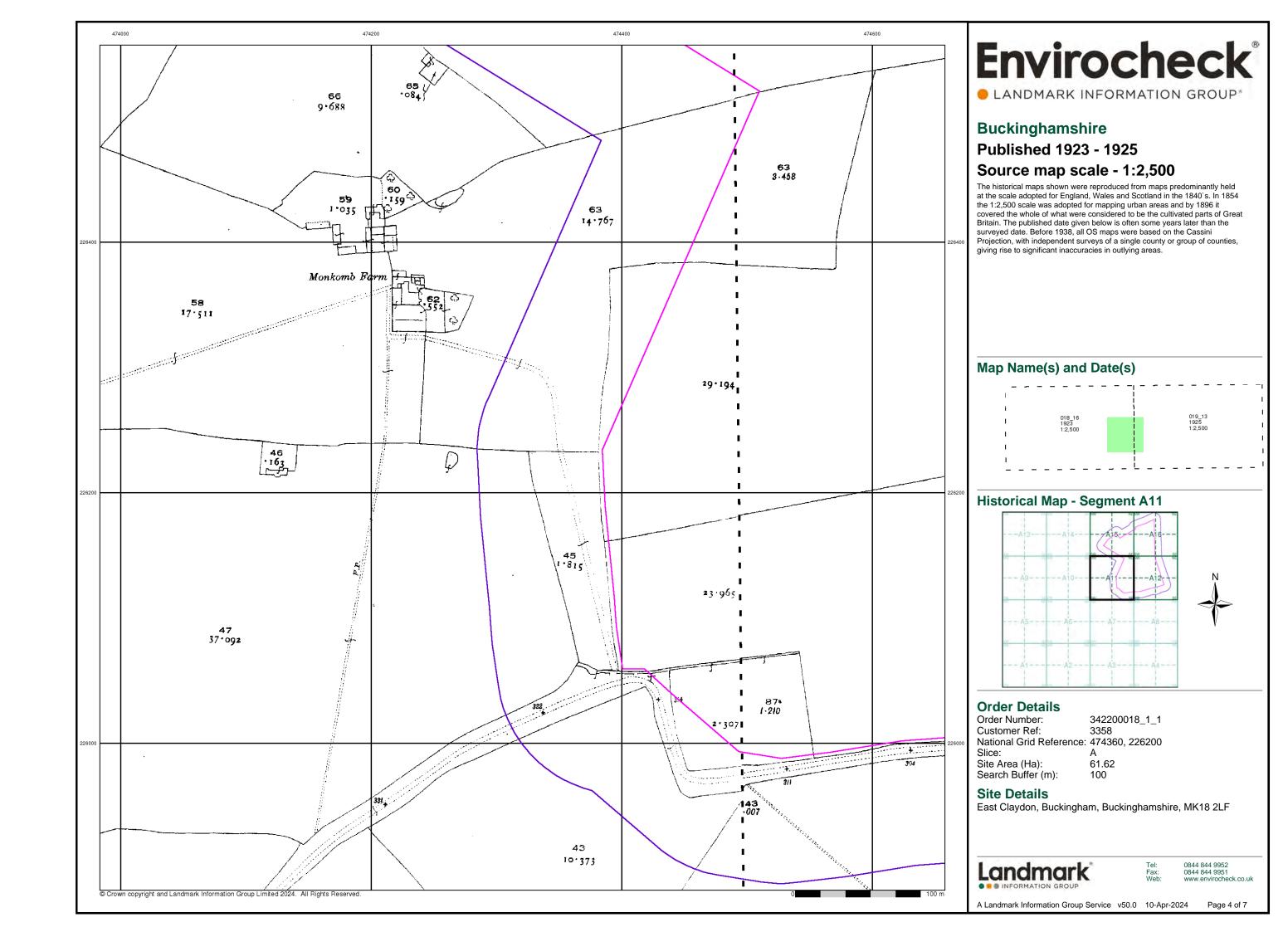
100

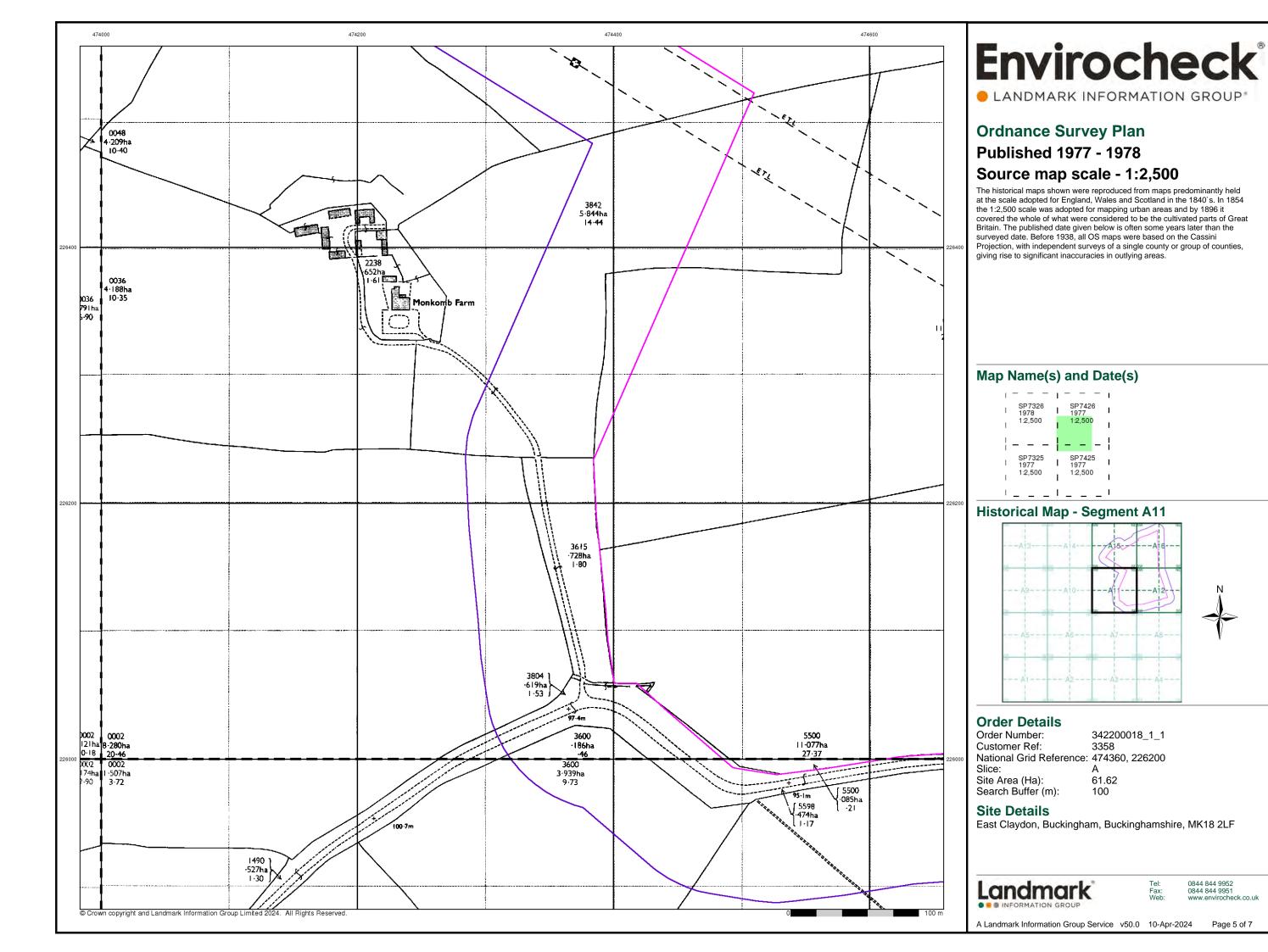


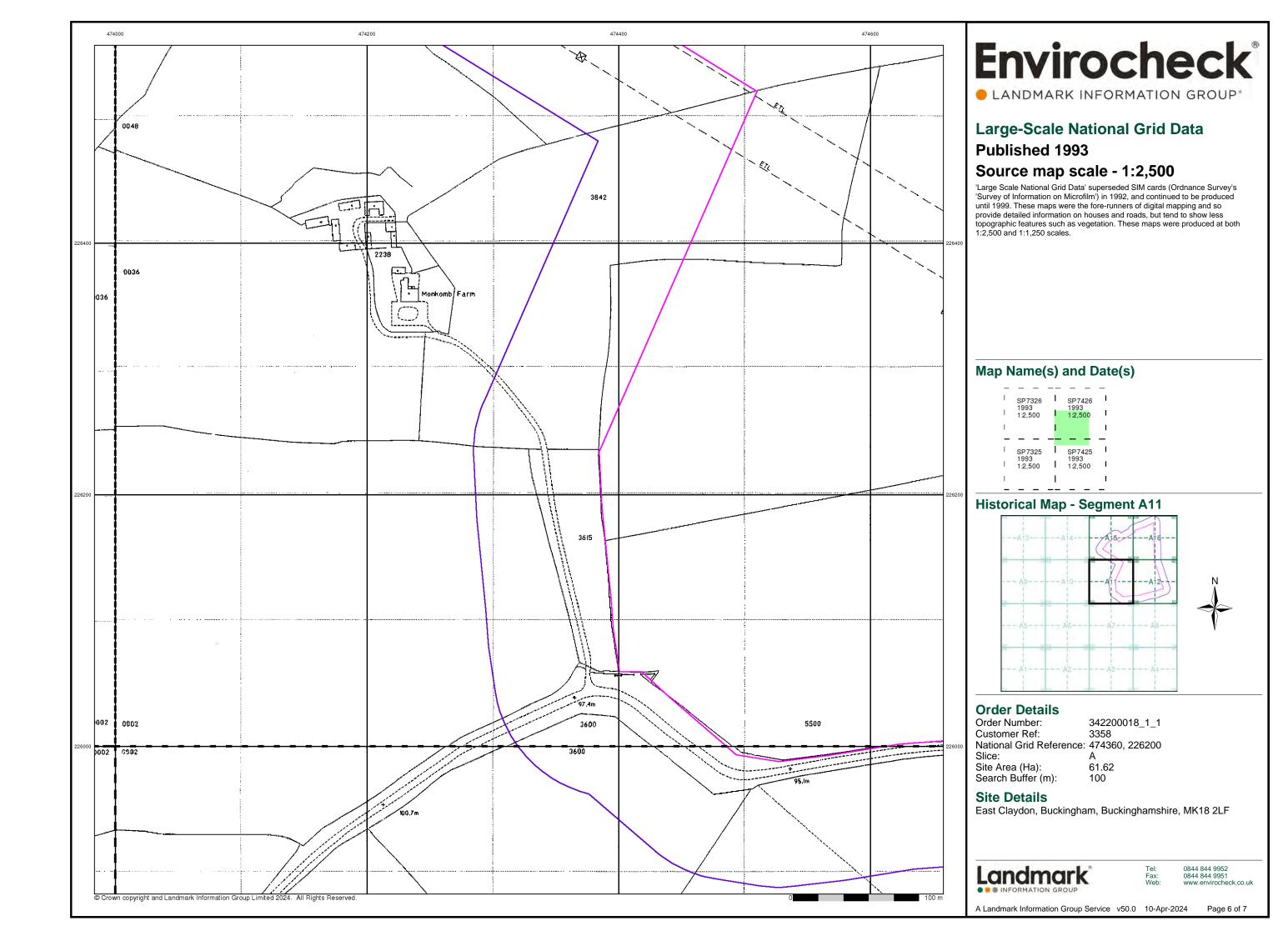
0844 844 9952 0844 844 9951

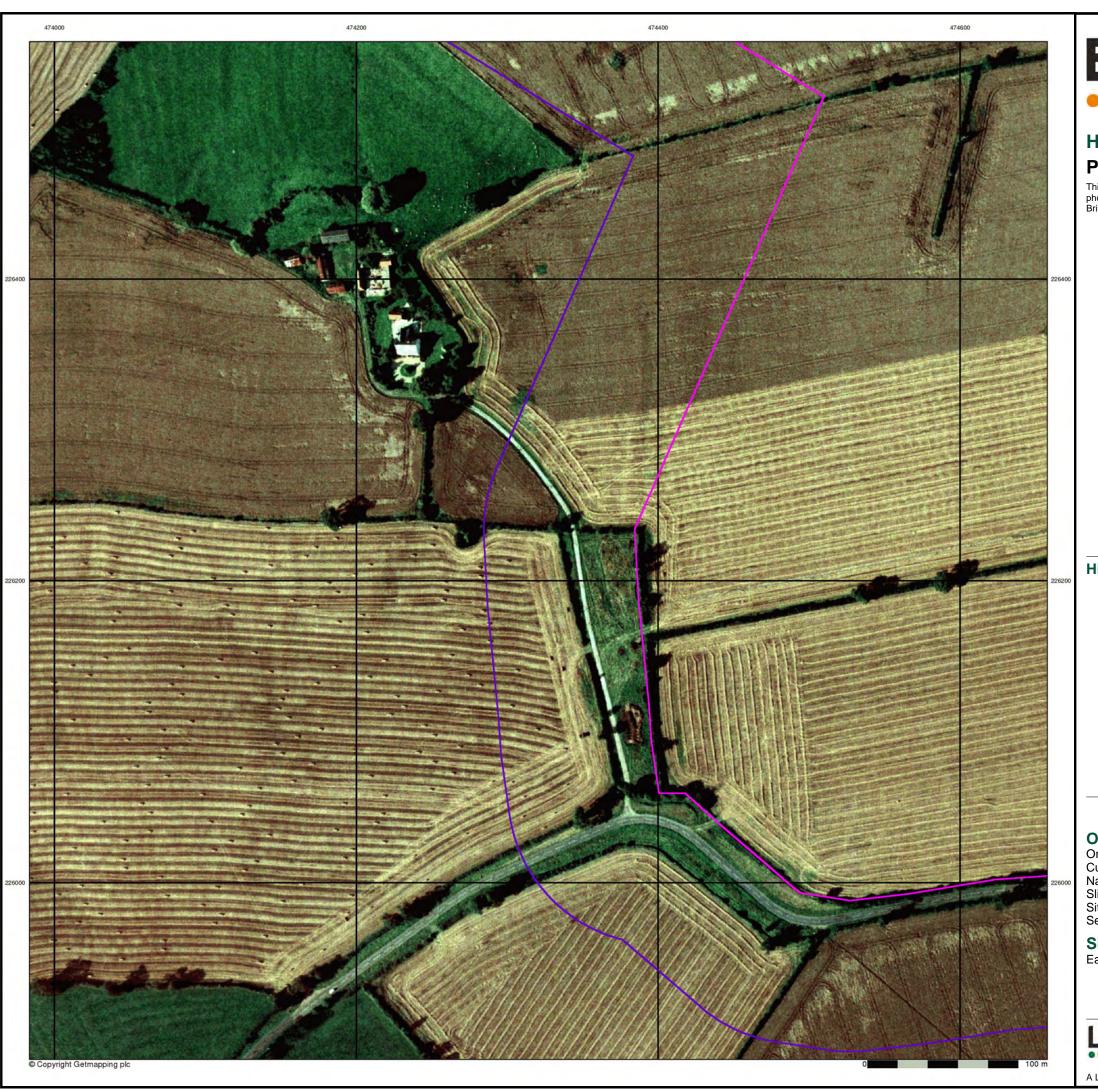










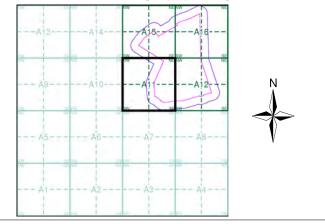


LANDMARK INFORMATION GROUP\*

# **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment A11**



#### **Order Details**

342200018\_1\_1 3358 Order Number:

Customer Ref:

National Grid Reference: 474360, 226200

Slice:

Site Area (Ha): Search Buffer (m): 61.62

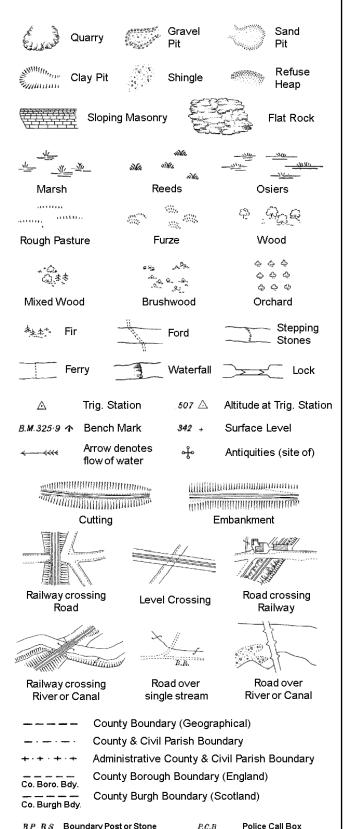
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

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



Pump

Sluice

Spring

Trough Well

Signal Post

Telephone Call Box

S.P

Sl.

 $T_{T}$ 

B.R.

E.P

F.B.

M.S

Bridle Road

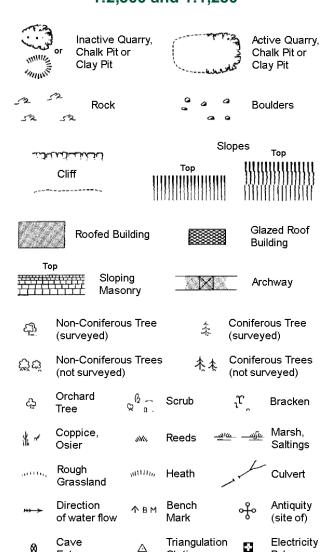
Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



**Electricity Transmission Line** County Boundary (Geographical)

County & Civil Parish Boundary Civil Parish Boundary Admin. County or County Bor. Boundary L B Bdy London Borough Boundary Symbol marking point where boundary mereing changes

вн	Beer House	Р	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
EIP	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
Н	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	WrPt,WrT	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

# 1:1,250

 Cli ئىدكىلانى	 الل الحادث		Slo Top	opes	Top
SZ₂ R	ock		7,5	Rock (s	scattered)
△ <sub>△</sub> B	oulders		Δ	Boulde	rs (scattered)
△ P	ositioned	Boulder		Scree	
A 13	on-Conife surveyed)	erous Tree	*	Conifer (surve)	rous Tree yed)
C 3 Cu.1	lon-Conife not sur∨ey	erous Trees red)	表表		rous Trees rveyed)
45	rchard ree	Q a.	Scrub	'n,	Bracken
	oppice, sier	siNa,	Reeds 🛥	। <u>त्रः —ग्र</u> ीत	Marsh, Saltings
	ough Frassland	$uuuu_{B}$	Heath	1	Culvert
<del>,,, ,</del>	irection f water flo	Δ	Triangulatior Station	ું નુ	Antiquity (site of)
E <u>T</u> L	Electric	ty Transmis	sion Line	$\boxtimes$	Electricity Pylon
\ <b>₩</b> BM 25	31.6úm B	ench Mark			ngs with ng Seed
	Roofe	d Building		231	Blazed Roof Building
	••• 	District bou County bou Boundary p Boundary r always app	ındary	ol (note	: these
Bks Bty Cemy Chy Cis Dismtd Rly El Gen Sta		of three)  led Railway ty Generating	P PO PC Pp Ppg Sta PW Sewage P	Post Of Public Pump Pumpir Place o	ole or Post ffice Convenience  Ig Station fWorship Sewage Pumping Station Box or Bridge
El Sub Sta FB	Electricity: Filter Bed	Sub Station	SP, SL Spr	Signal Spring	Post or Light

Fn / D Fn Fountain / Drinking Ftn.

Gas Governer

**Guide Post** 

Manhole

Gas Valve Compound

Mile Post or Mile Stone

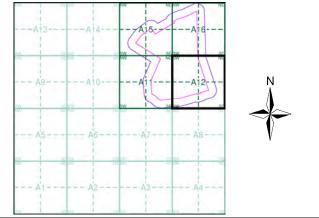
# Envirocheck®

LANDMARK INFORMATION GROUP

#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Buckinghamshire	1:2,500	1879	2
Buckinghamshire	1:2,500	1899	3
Buckinghamshire	1:2,500	1925	4
Ordnance Survey Plan	1:2,500	1977	5
Large-Scale National Grid Data	1:2,500	1993	6
Historical Aerial Photography	1:2,500	1999	7

### **Historical Map - Segment A12**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 474360, 226200 Slice: 61.62 Site Area (Ha):

## Search Buffer (m): **Site Details**

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

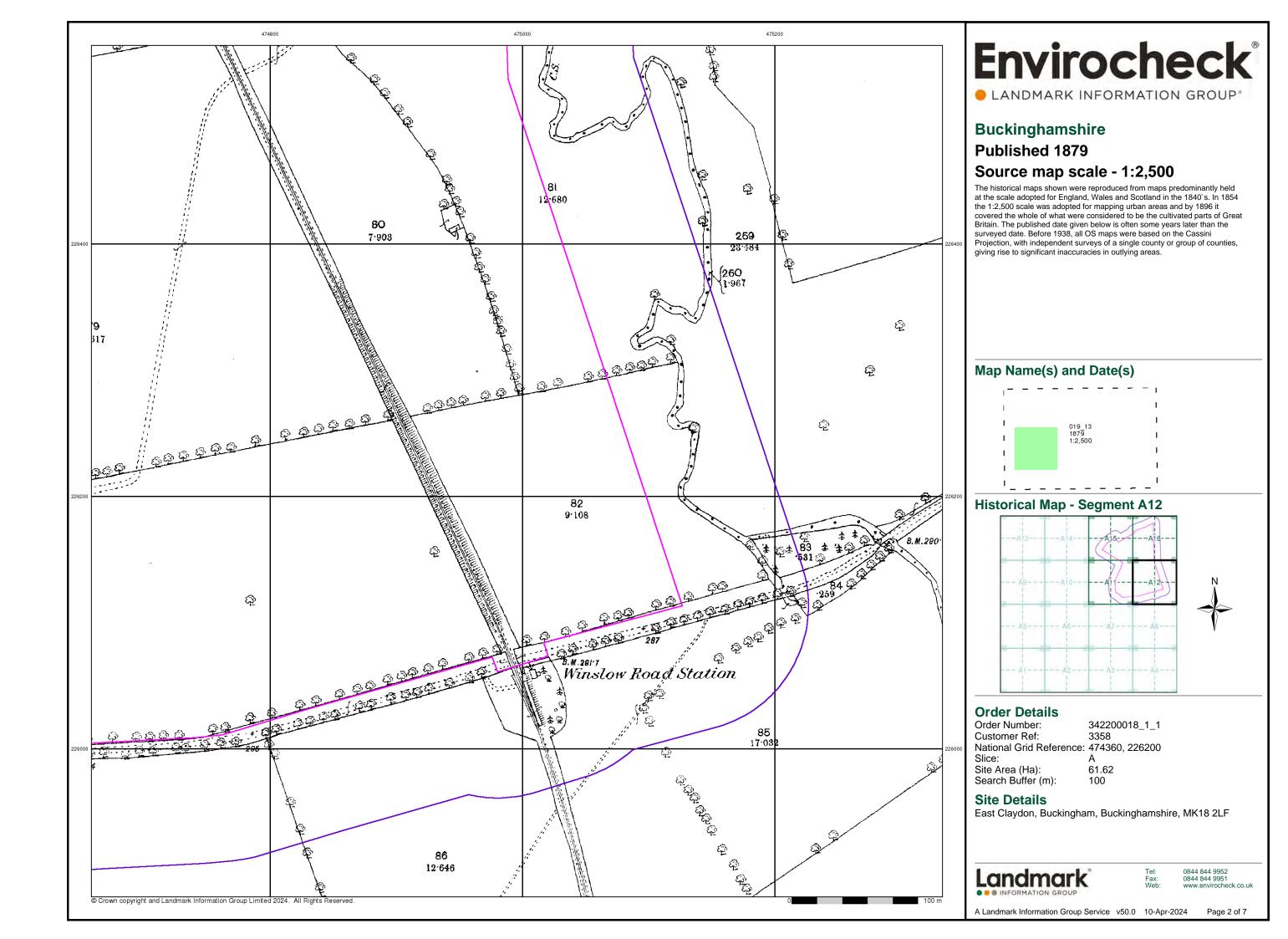
Wks

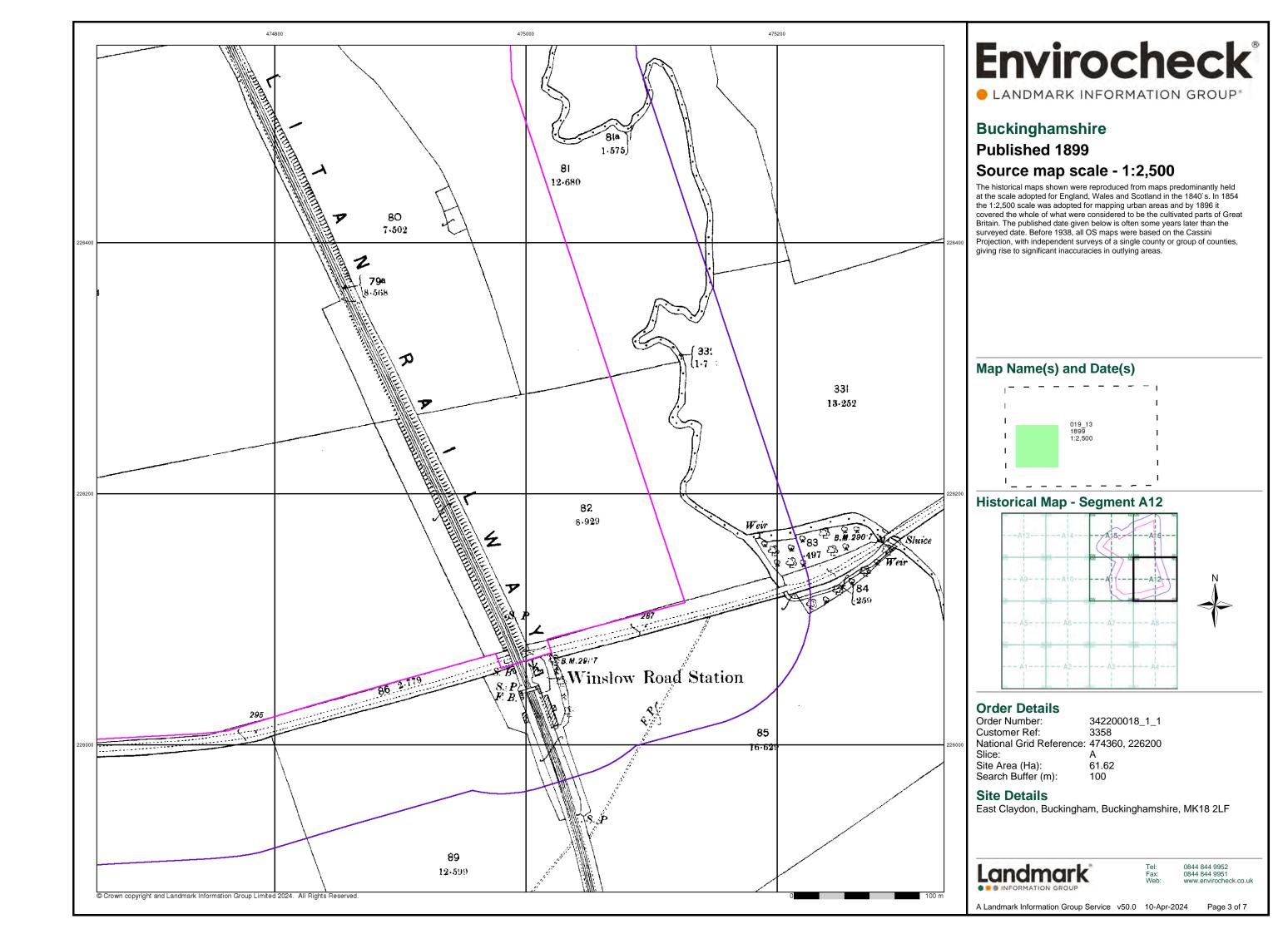
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

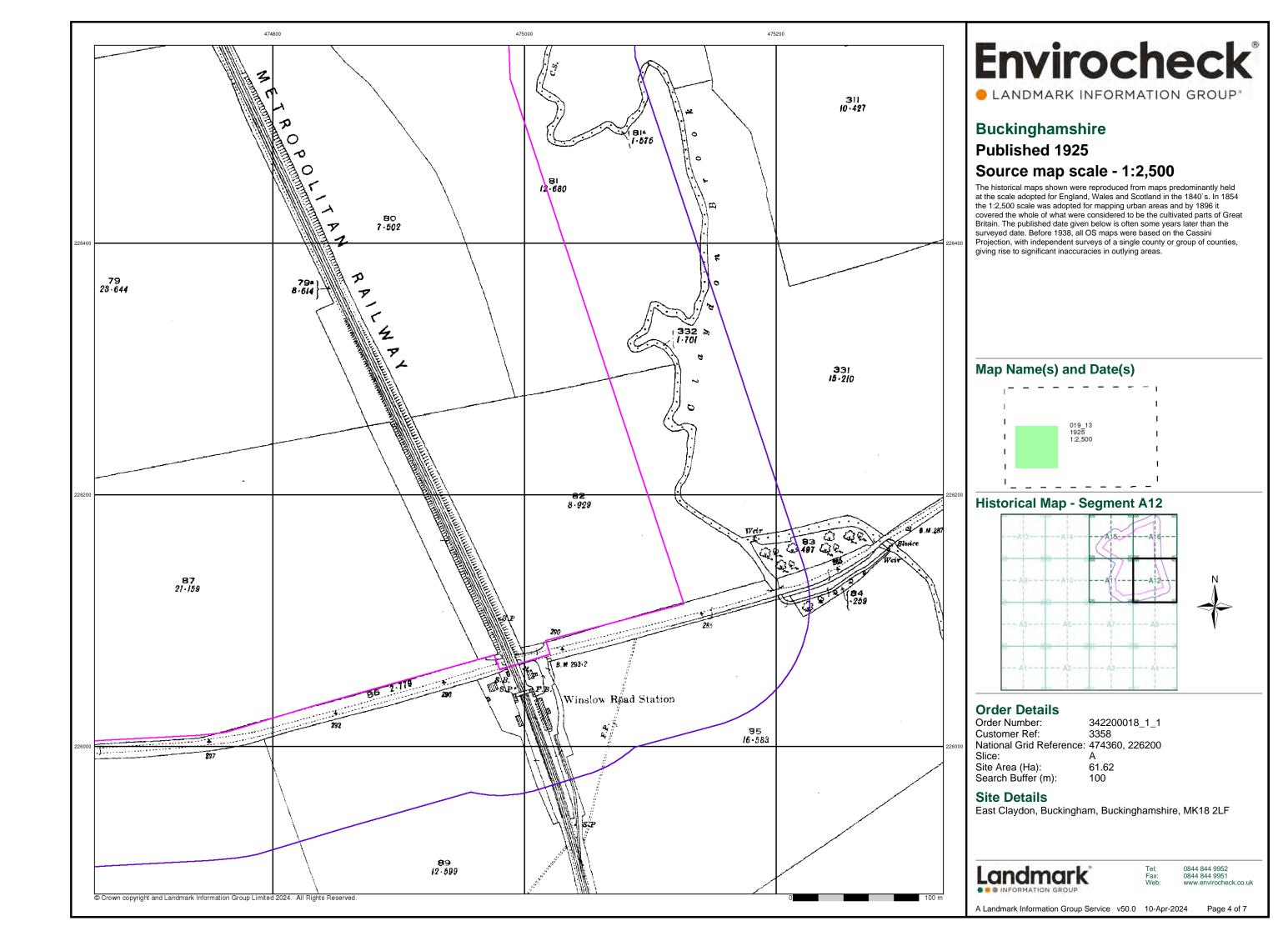
100

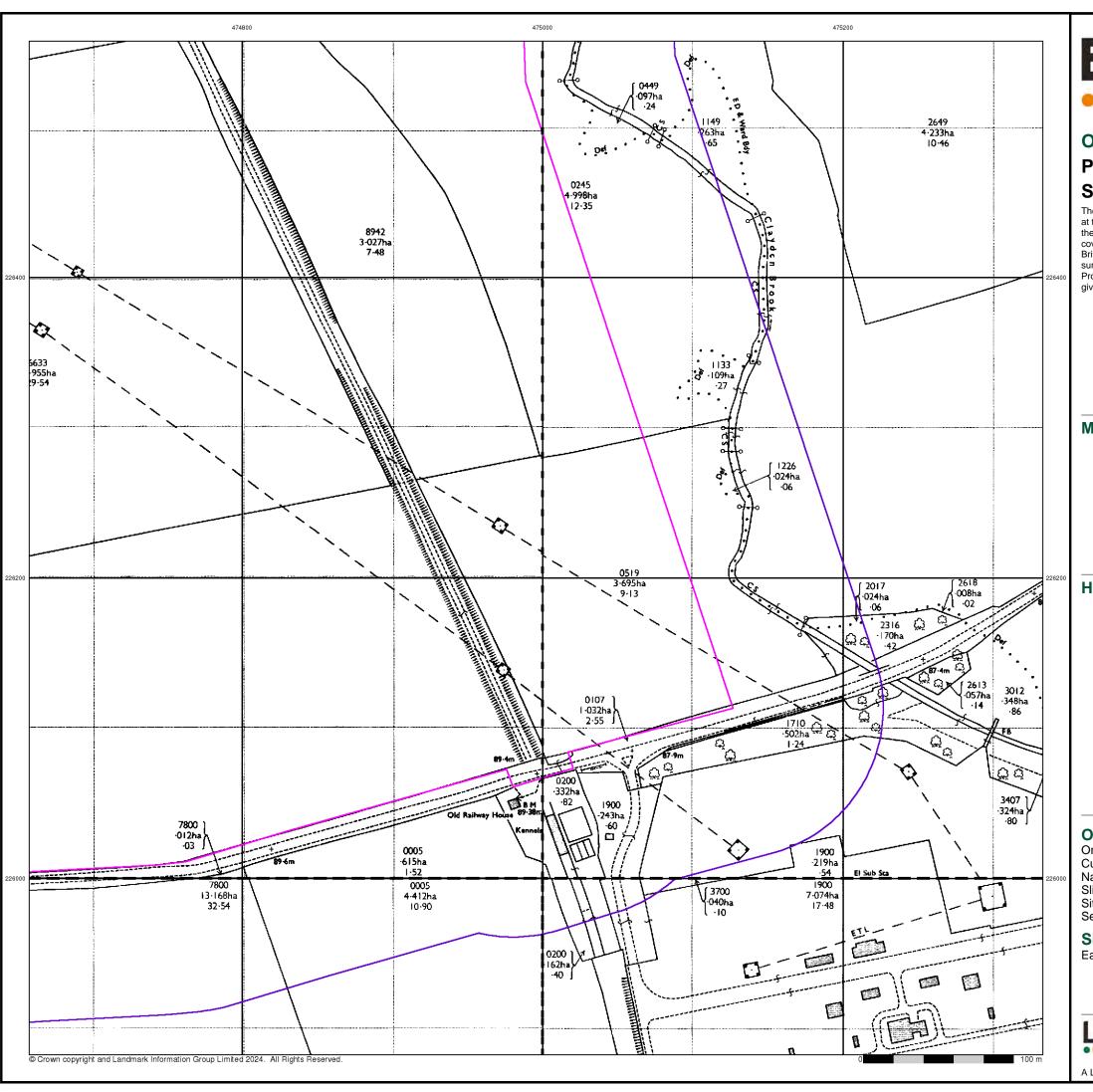


0844 844 9952 0844 844 9951









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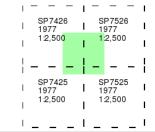
## **Ordnance Survey Plan**

### **Published 1977**

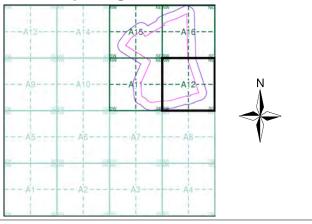
# Source map scale - 1:2,500

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 A12**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 474360, 226200 Slice:

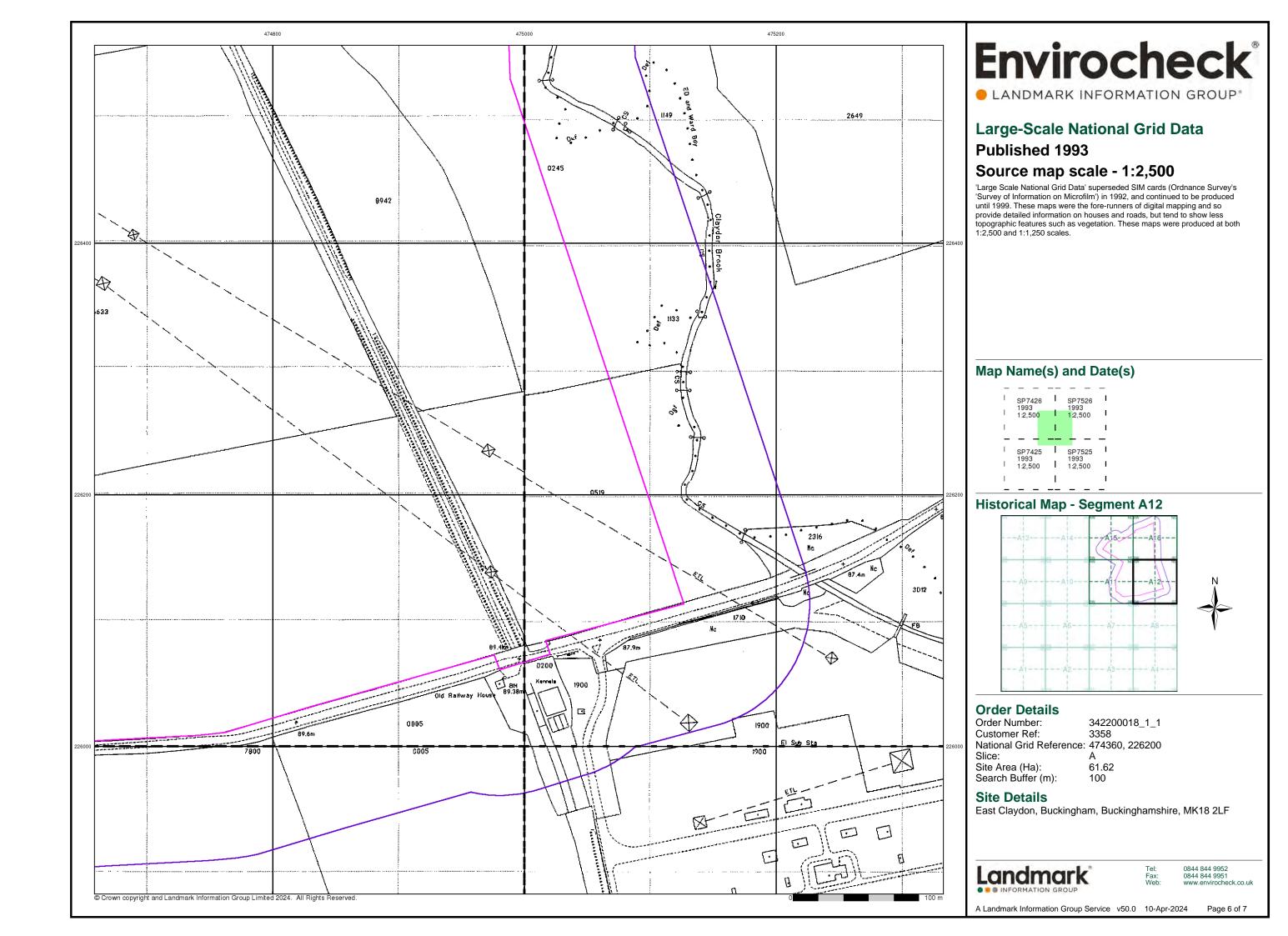
Site Area (Ha): Search Buffer (m): 61.62

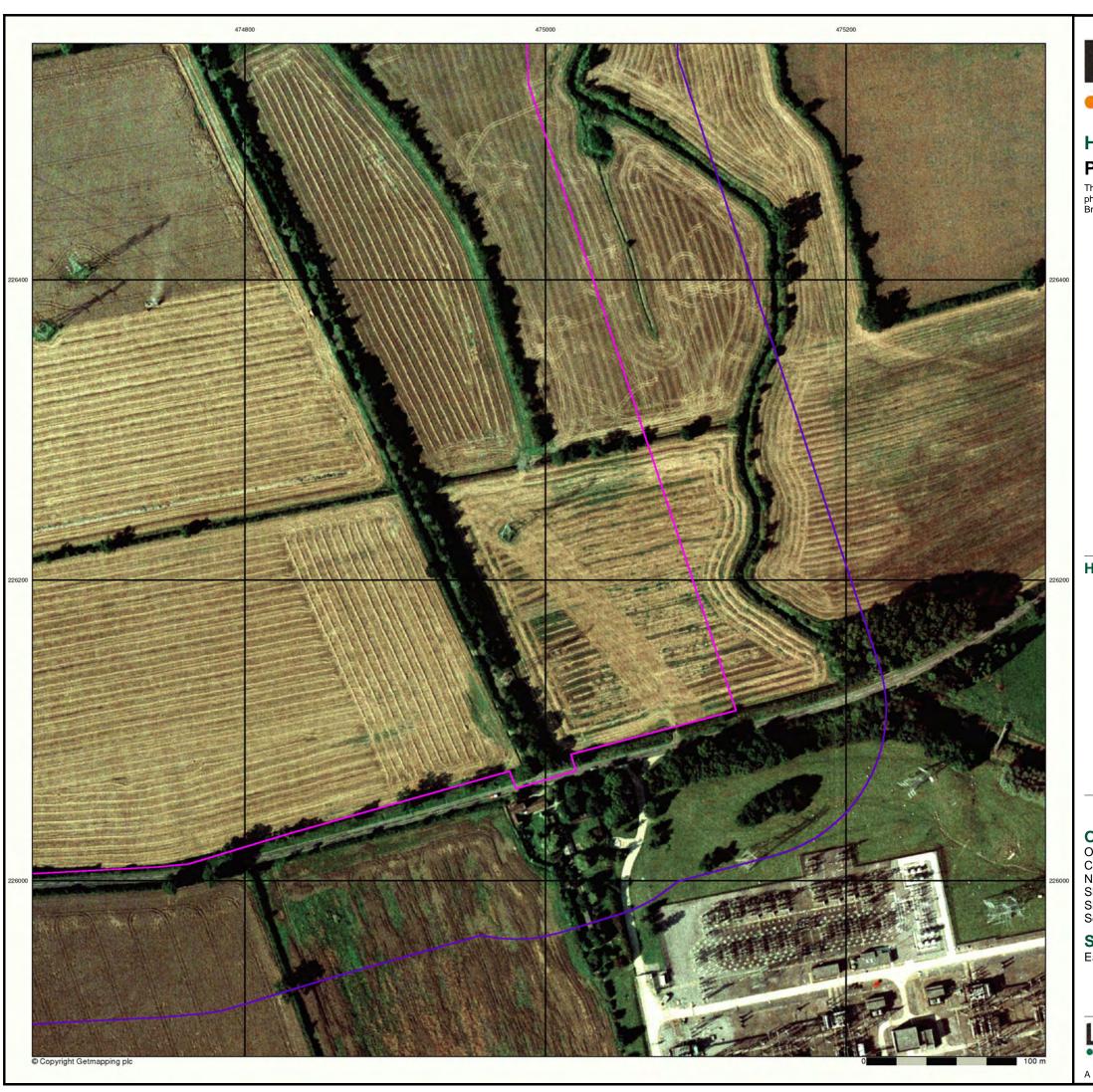
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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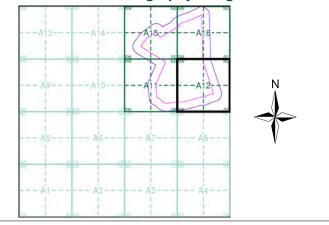


LANDMARK INFORMATION GROUP\*

# **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment A12**



#### **Order Details**

342200018\_1\_1 3358 Order Number:

Customer Ref:

National Grid Reference: 474360, 226200

Slice:

Site Area (Ha): Search Buffer (m): 61.62

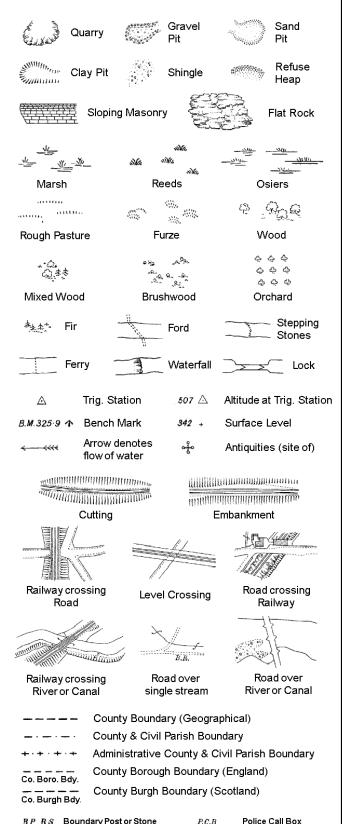
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

Landmark\*

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

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



Pump

Sluice

Spring

Trough

Well

Signal Post

Telephone Call Box

S.P

T.C.B

Sl.

 $T_T$ 

B.R.

E.P

F.B.

M.S

Bridle Road

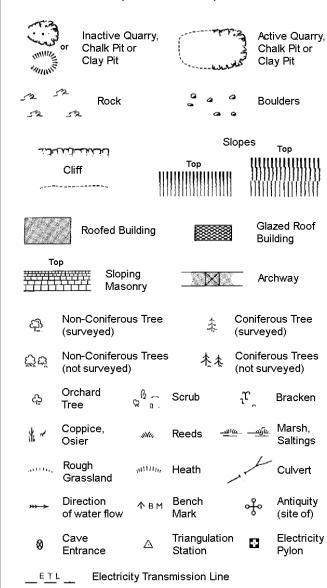
Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



0 27	Symbol mark mereing cha		where boundary
вн	Beer House	Р	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
EIP	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
Н	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	WrPt,WrT	Water Point, Water Tap
MS	Mile Stone	W	Well

Wd Pp

Wind Pump

County Boundary (Geographical)

Admin. County or County Bor. Boundary

Fn/DFn

GVC

Fountain / Drinking Ftn.

Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

Tank or Track

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

Tr

Wd Pp

Wks

County & Civil Parish Boundary

Civil Parish Boundary

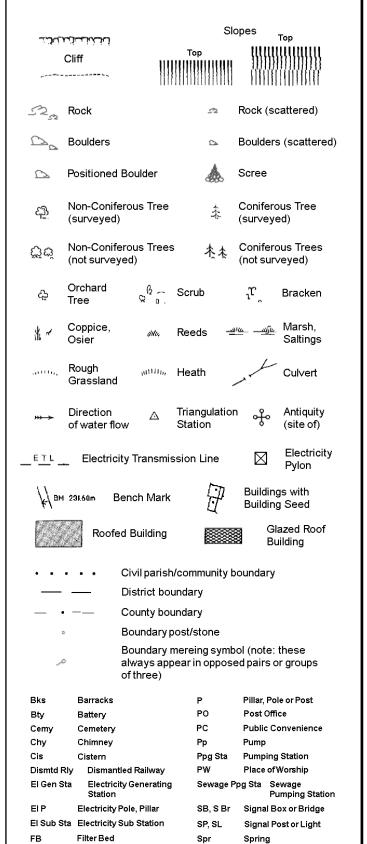
London Borough Boundary

L B Bdy

NTL

Normal Tidal Limit

# 1:1,250



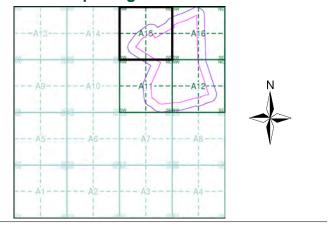
# Envirocheck®

LANDMARK INFORMATION GROUP

#### **Historical Mapping & Photography included:**

Manning Time	Scale	Date	D.
Mapping Type	Scale	Date	Pg
Buckinghamshire	1:2,500	1878 - 1880	2
Buckinghamshire	1:2,500	1899 - 1900	3
Buckinghamshire	1:2,500	1923 - 1925	4
Ordnance Survey Plan	1:2,500	1977 - 1978	5
Large-Scale National Grid Data	1:2,500	1993	6
Historical Aerial Photography	1:2,500	1999	7

# **Historical Map - Segment A15**



#### **Order Details**

342200018\_1\_1 Order Number: Customer Ref: National Grid Reference: 474360, 226200 Slice:

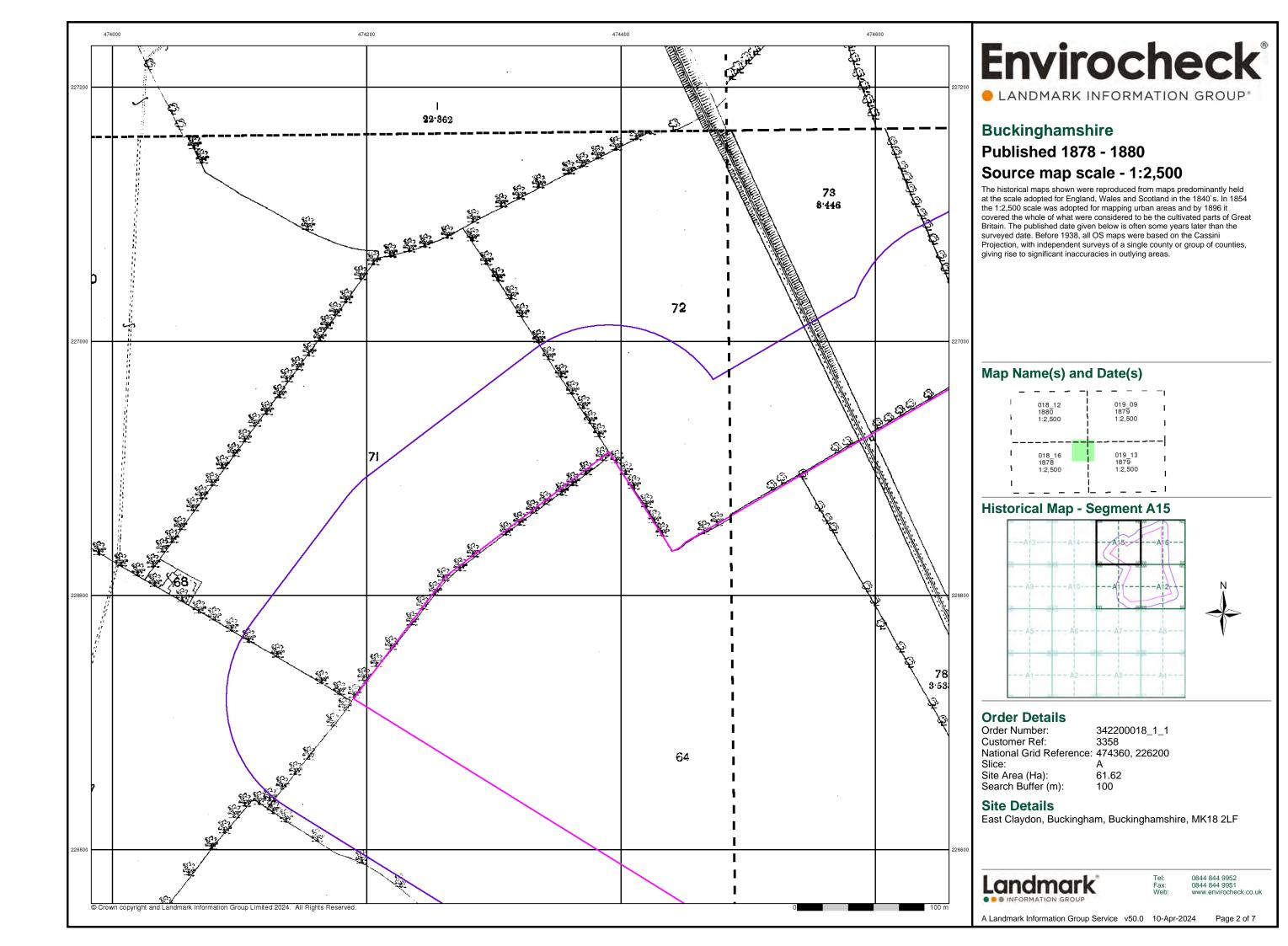
Site Area (Ha): 61.62 Search Buffer (m): 100

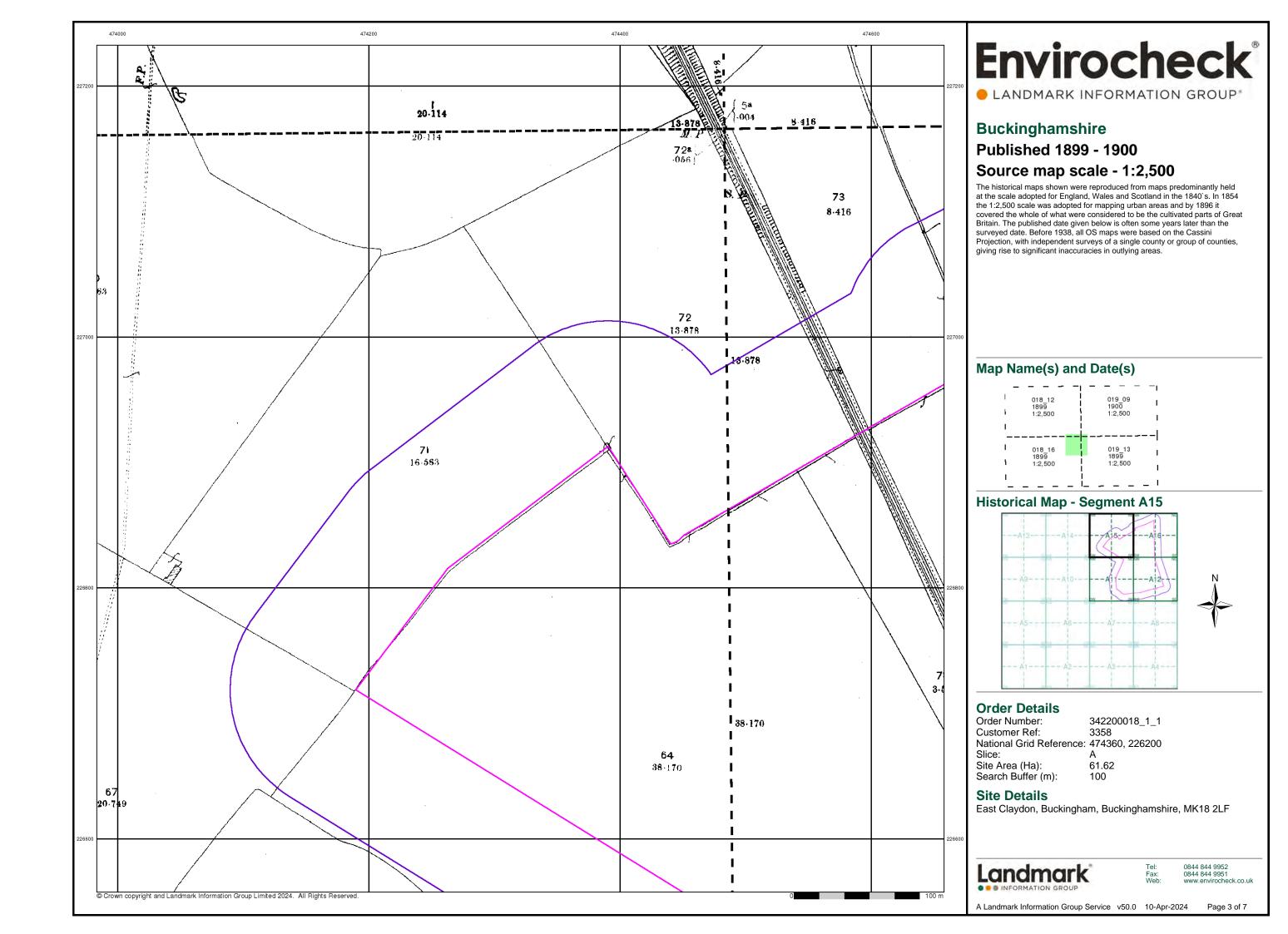
#### **Site Details**

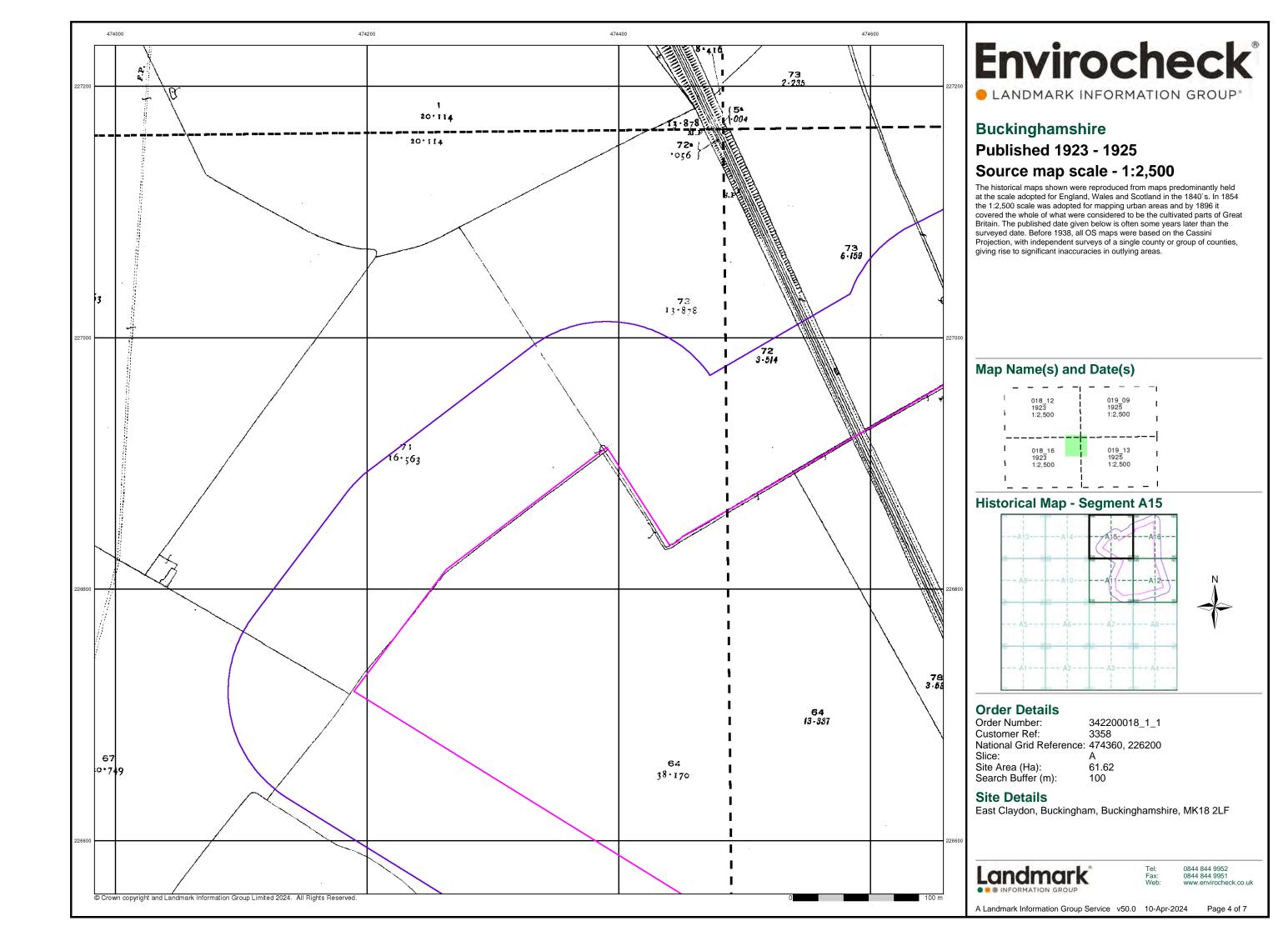
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

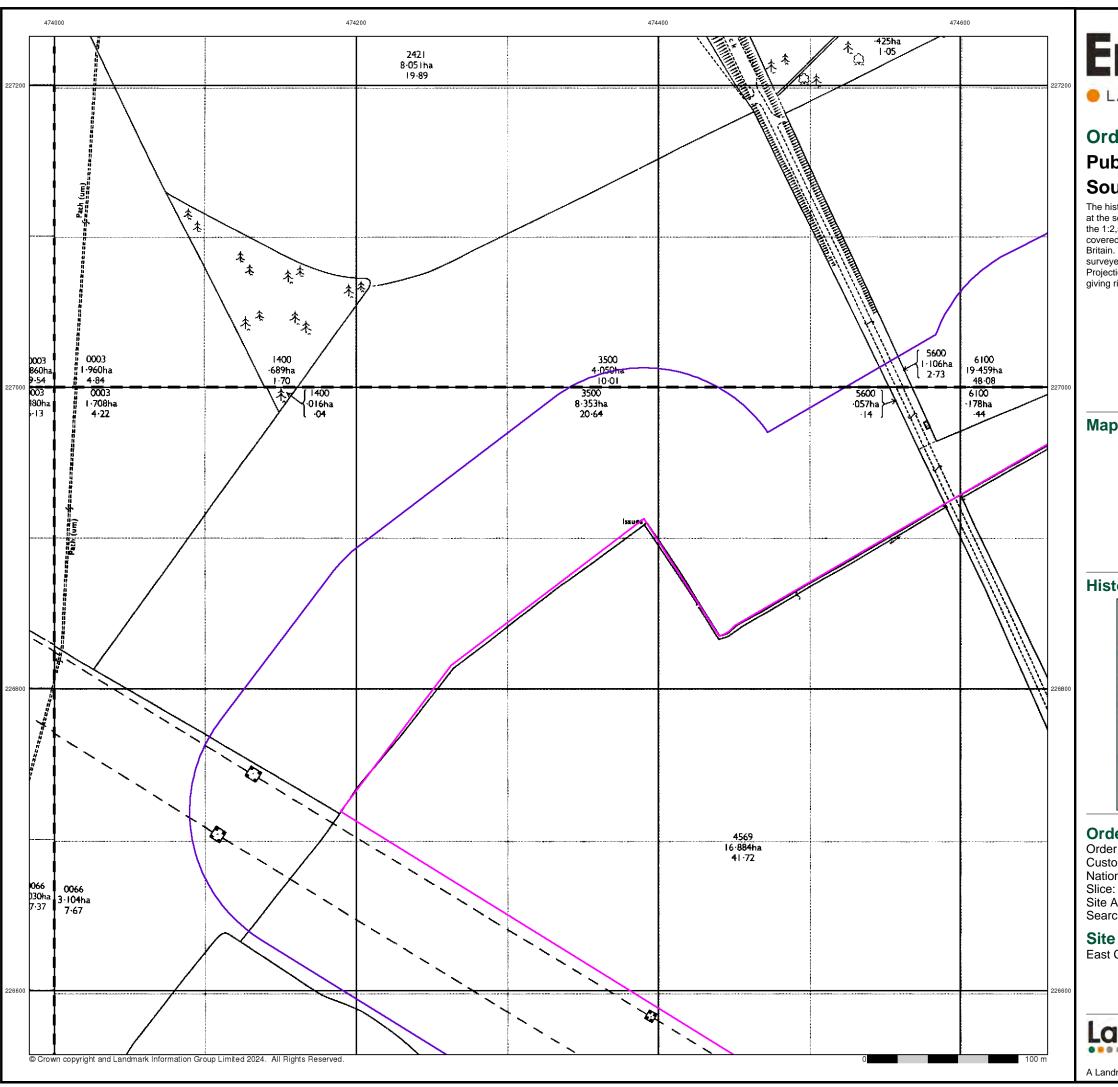


0844 844 9952 0844 844 9951









LANDMARK INFORMATION GROUP\*

## **Ordnance Survey Plan**

# **Published 1977 - 1978**

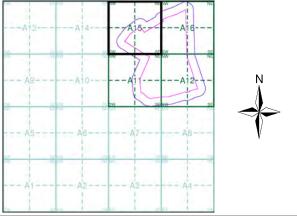
# Source map scale - 1:2,500

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)

 	SP7327 1977 12,500	SP7427 I 1977 1:2,500
     	SP7326 1978 12,500	SP7426 1977 1:2,500
i		I

## **Historical Map - Segment A15**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 474360, 226200

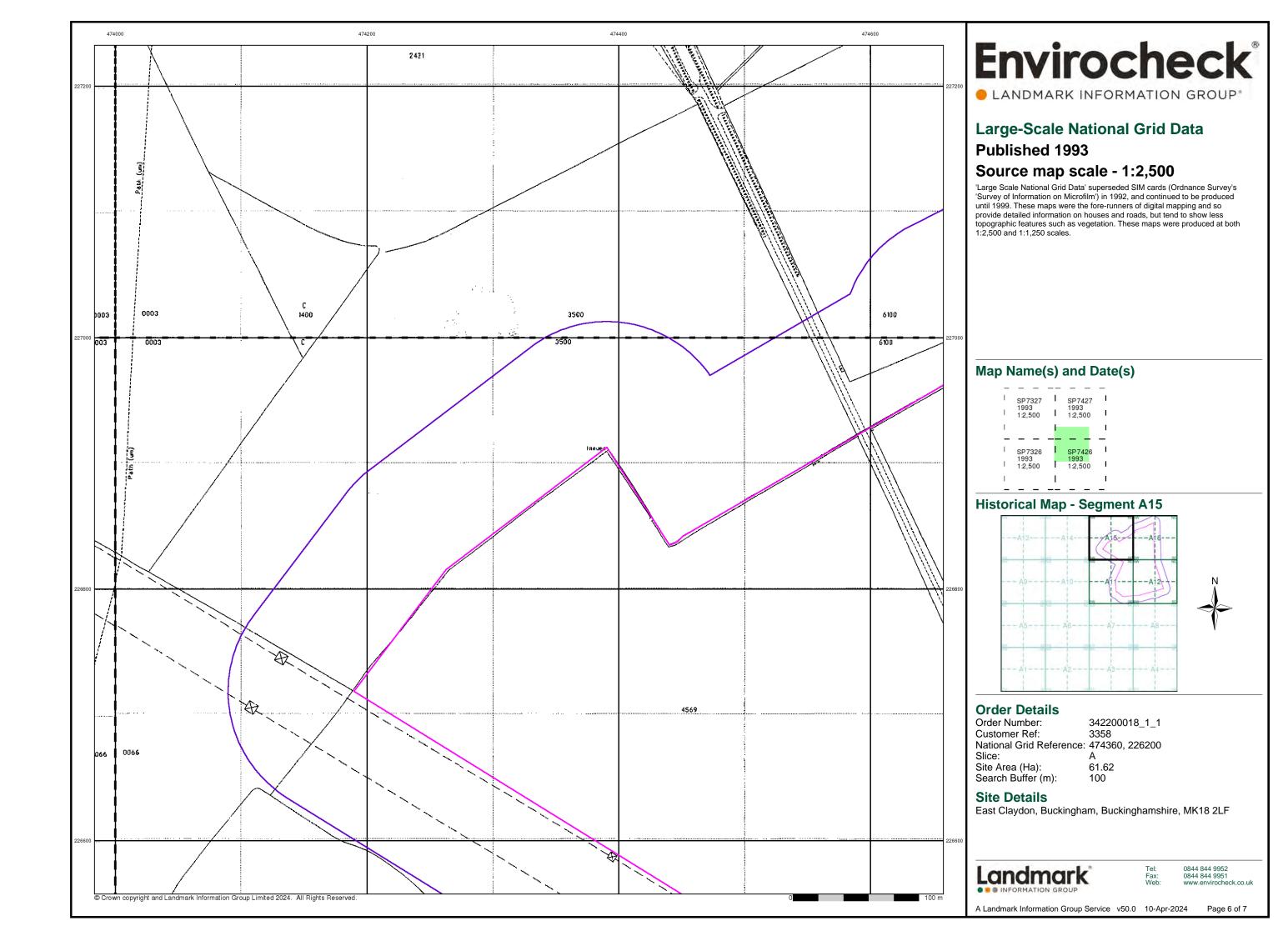
Site Area (Ha): Search Buffer (m): 61.62

#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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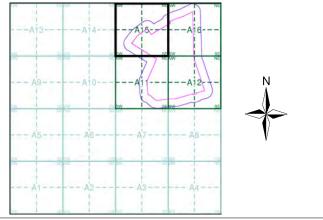


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# **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment A15**



#### **Order Details**

342200018\_1\_1 3358 Order Number:

Customer Ref:

National Grid Reference: 474360, 226200

Site Area (Ha): Search Buffer (m): 61.62

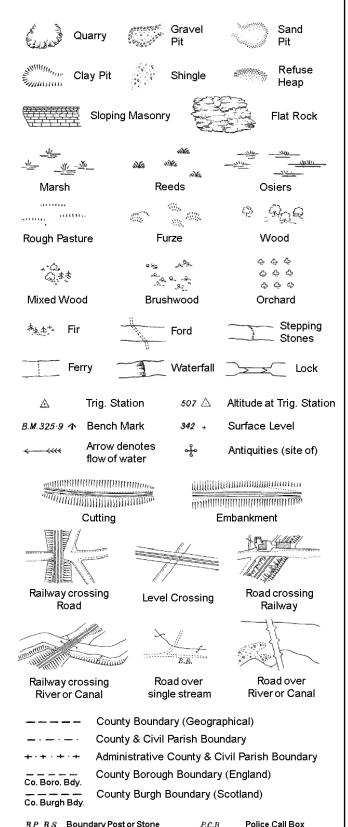
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

Landmark

0844 844 9952 0844 844 9951 www.envirocheck.co.uk

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



Pump

Sluice

Spring

Trough Well

Signal Post

Telephone Call Box

S.P

T.C.B

Sl.

 $T_T$ 

B.R.

E.P

F.B.

M.S

Bridle Road

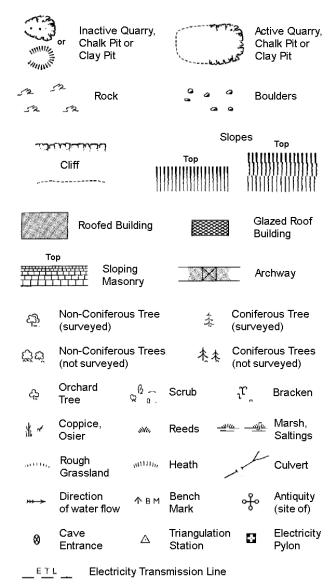
Foot Bridge

Mile Stone

M.P.M.R. Mooring Post or Ring

Electricity Pylor

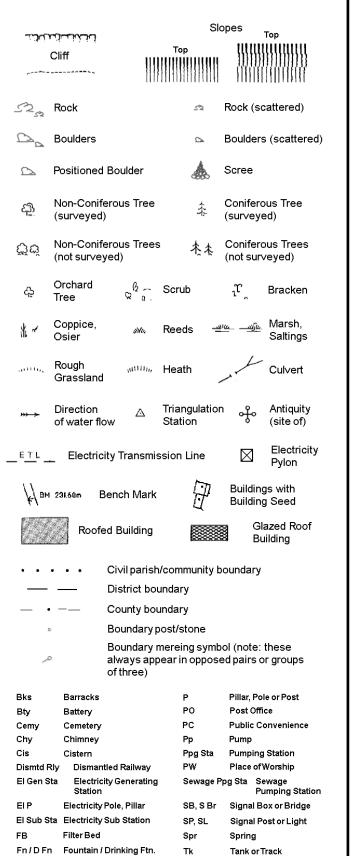
#### Ordnance Survey Plan, Additional SIMs and Large-Scale National Grid Data 1:2,500 and **Supply of Unpublished Survey Information** 1:2,500 and 1:1,250



		County Bo	undary (	Geographical)
· — ·		County & 0	Ci∨il Paris	sh Boundary
		Civil Parisl	n Bounda	ıry
	<del></del> ·	Admin. Co	unty or C	ounty Bor. Boundary
L B Bdy		London Borough Boundary		
27		Symbol ma mereing ch		nt where boundary
вн	Beer House		Р	Pillar, Pole or Post
BP, BS	Boundary P	ost or Stone	PO	Post Office
Cn, C	Capstan, Cra	ane	PC	Public Convenience
				B 1 11 11

вн	Beer House	Р	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
EIP	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
Н	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	WrPt,WrT	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

# 1:1,250



Gas Valve Compound

Mile Post or Mile Stone

Gas Governer

**Guide Post** 

Manhole

GVC

Tr

Wd Pp

Wks

Trough

Wind Pump

Wr Pt. Wr T Water Point, Water Tap

Works (building or area)

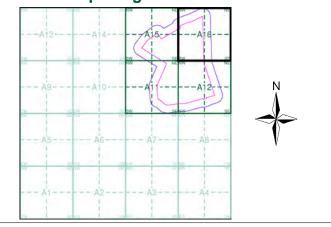
# Envirocheck®

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#### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Buckinghamshire	1:2,500	1879	2
Buckinghamshire	1:2,500	1899 - 1900	3
Buckinghamshire	1:2,500	1925	4
Ordnance Survey Plan	1:2,500	1977	5
Large-Scale National Grid Data	1:2,500	1993	6
Historical Aerial Photography	1:2,500	1999	7

## **Historical Map - Segment A16**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 474360, 226200 Slice: 61.62

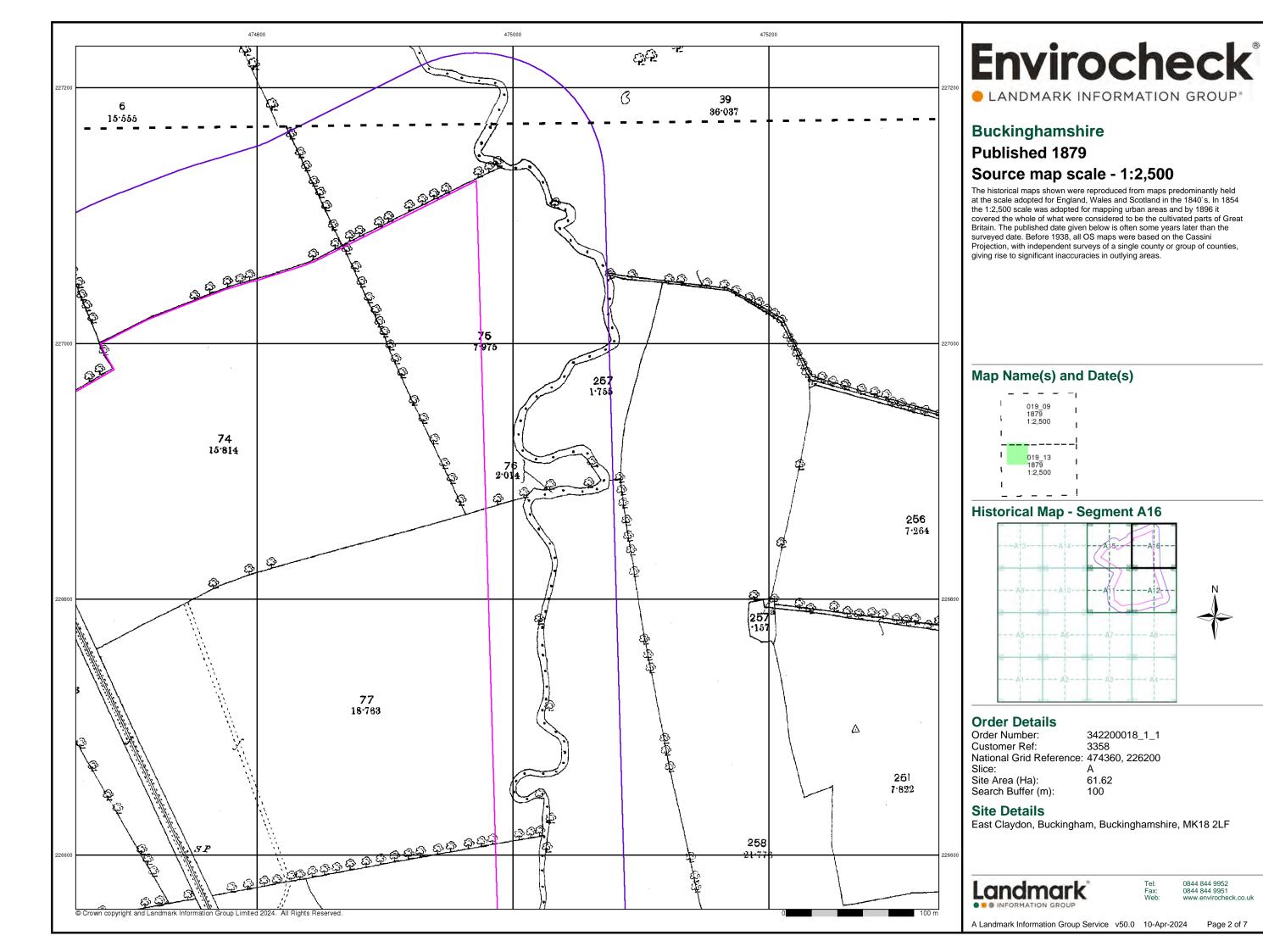
Site Area (Ha): Search Buffer (m): 100

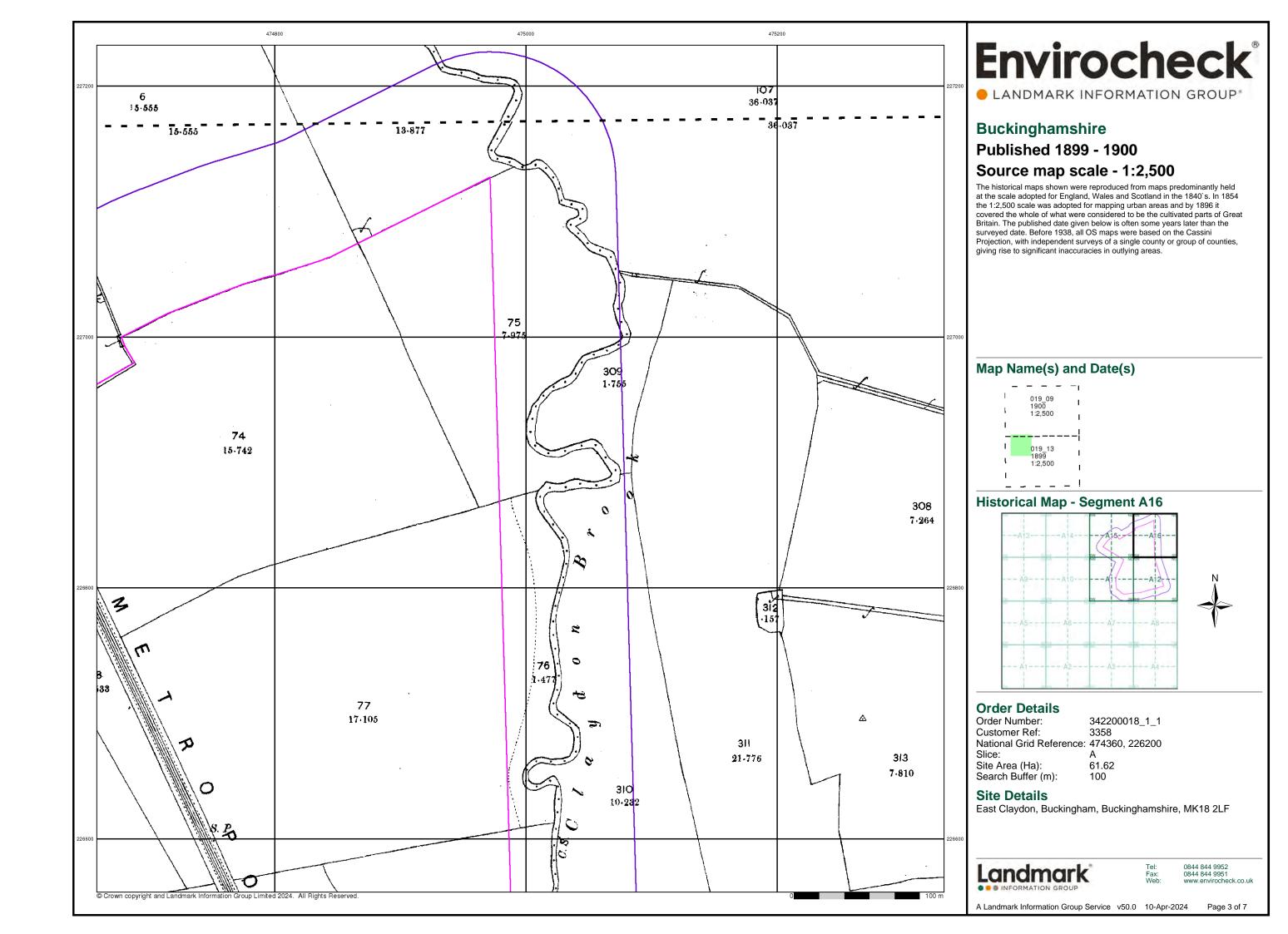
#### **Site Details**

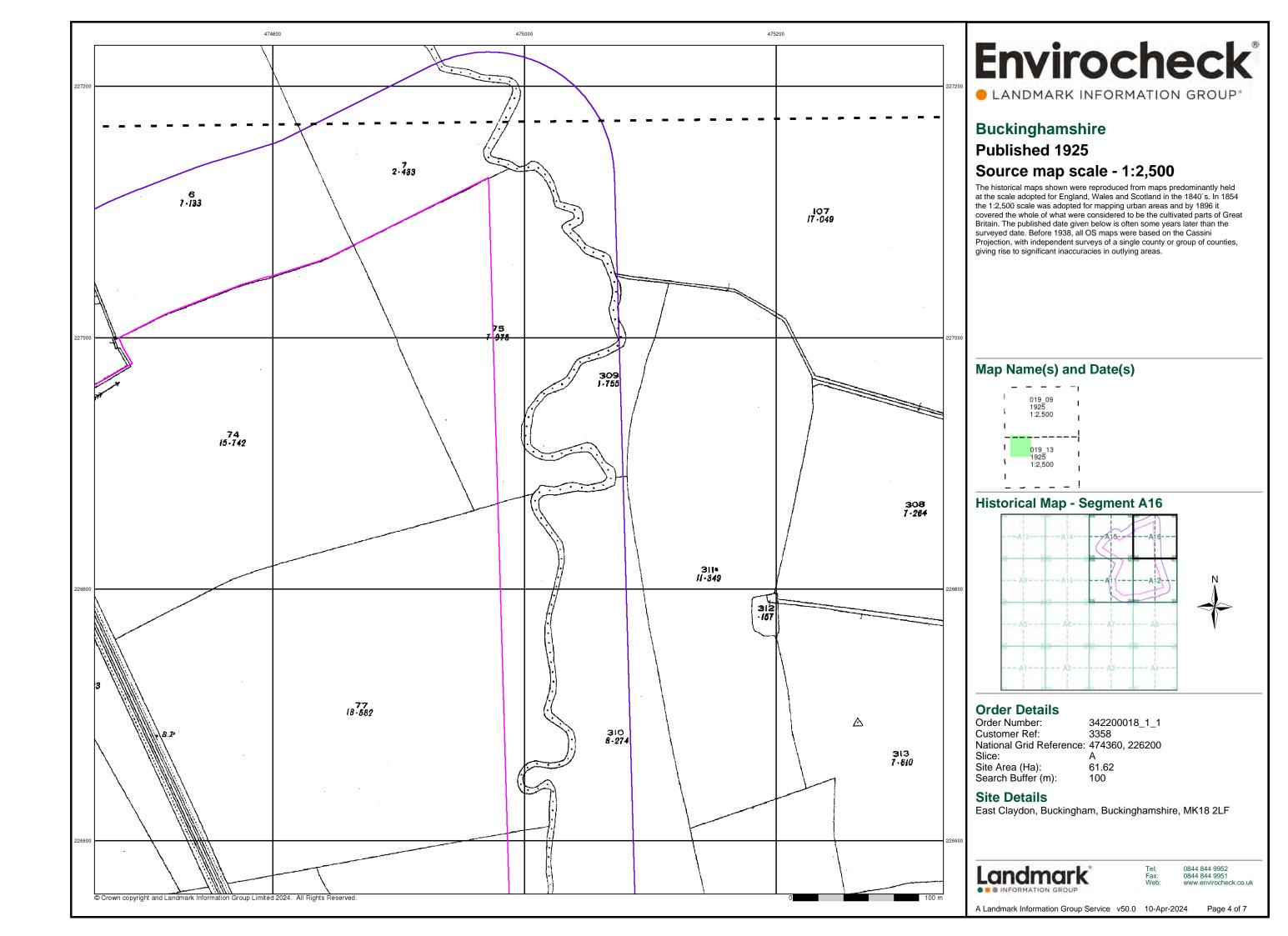
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

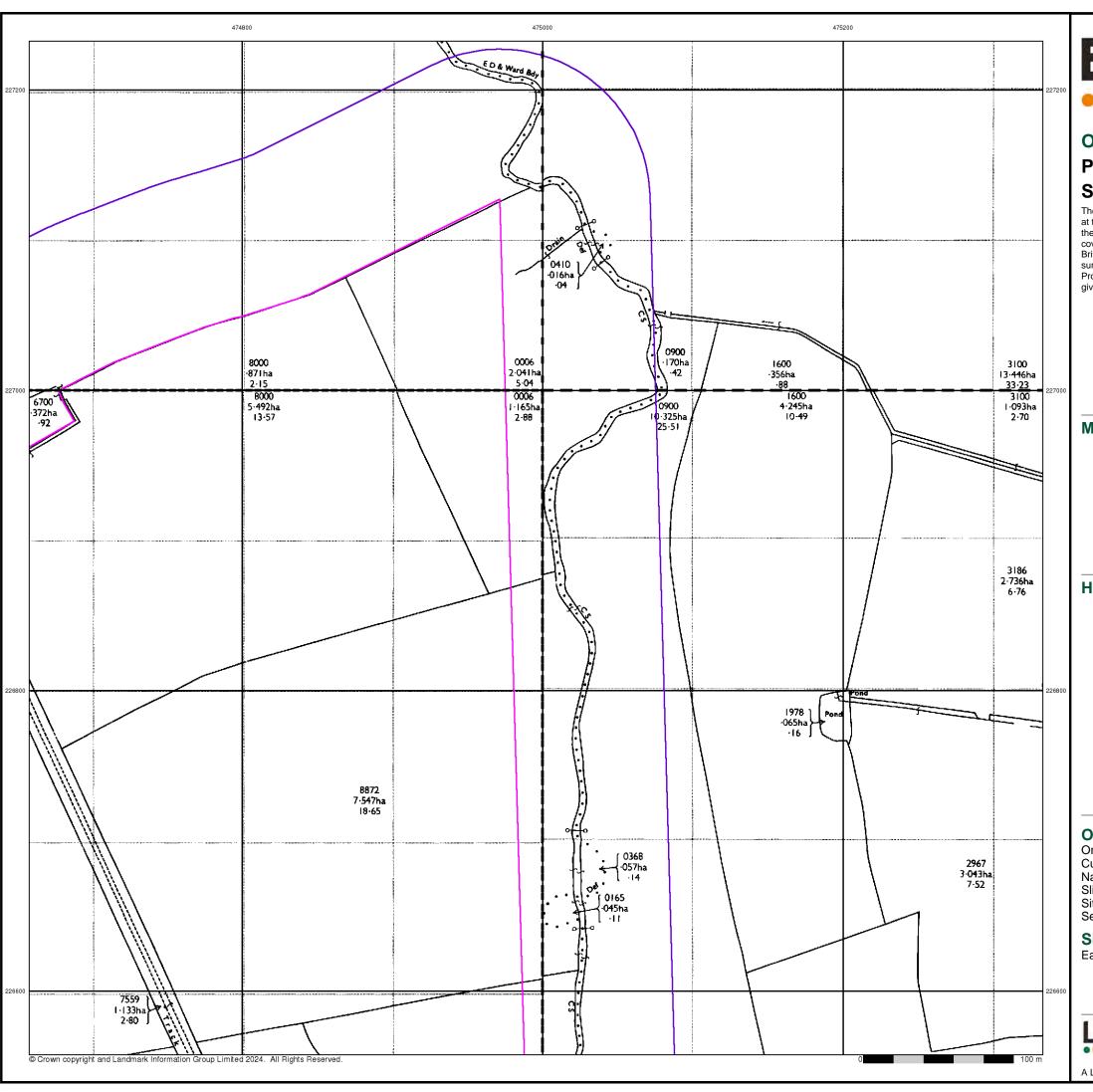


0844 844 9952 0844 844 9951









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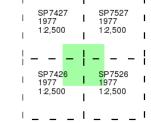
## **Ordnance Survey Plan**

## **Published 1977**

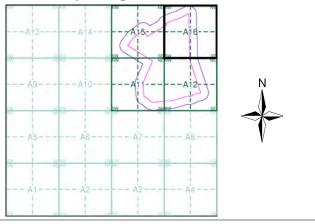
# Source map scale - 1:2,500

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 A16**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 474360, 226200 Slice:

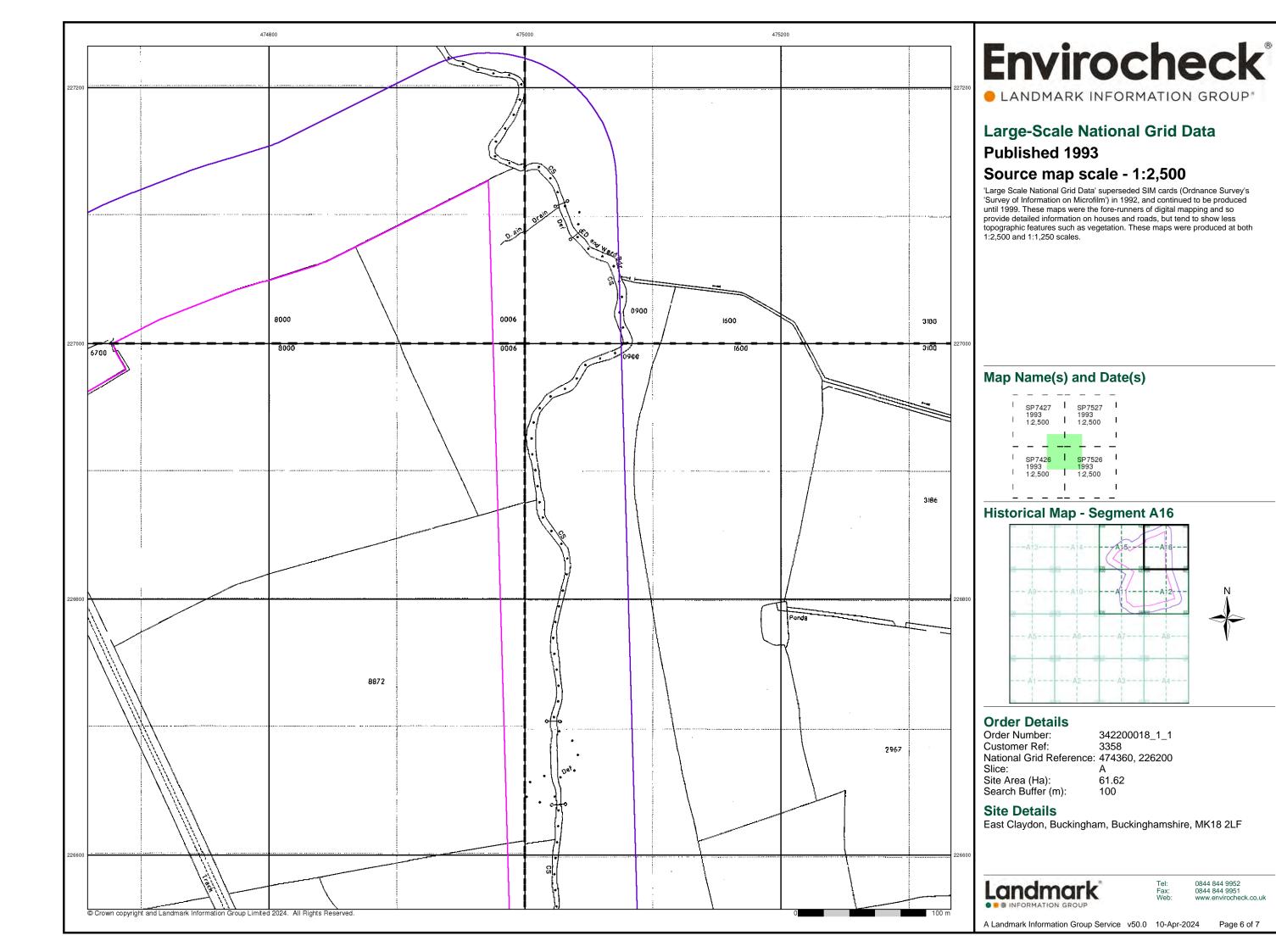
Site Area (Ha): Search Buffer (m): 61.62

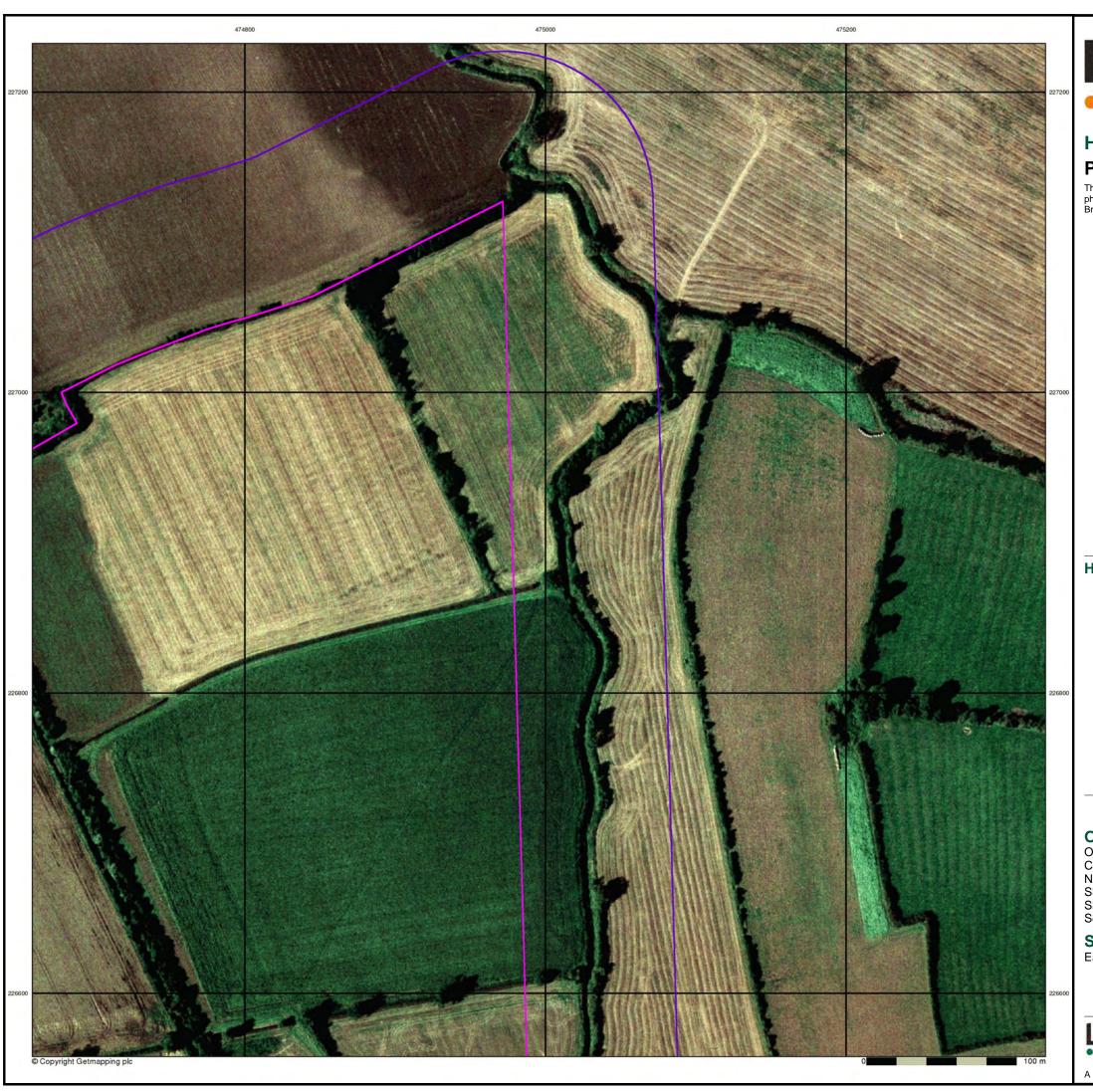
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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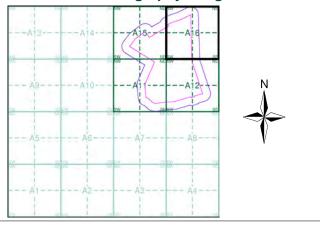


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# **Historical Aerial Photography** Published 1999

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

## **Historical Aerial Photography - Segment A16**



#### **Order Details**

342200018\_1\_1 3358 Order Number:

Customer Ref:

National Grid Reference: 474360, 226200

Slice:

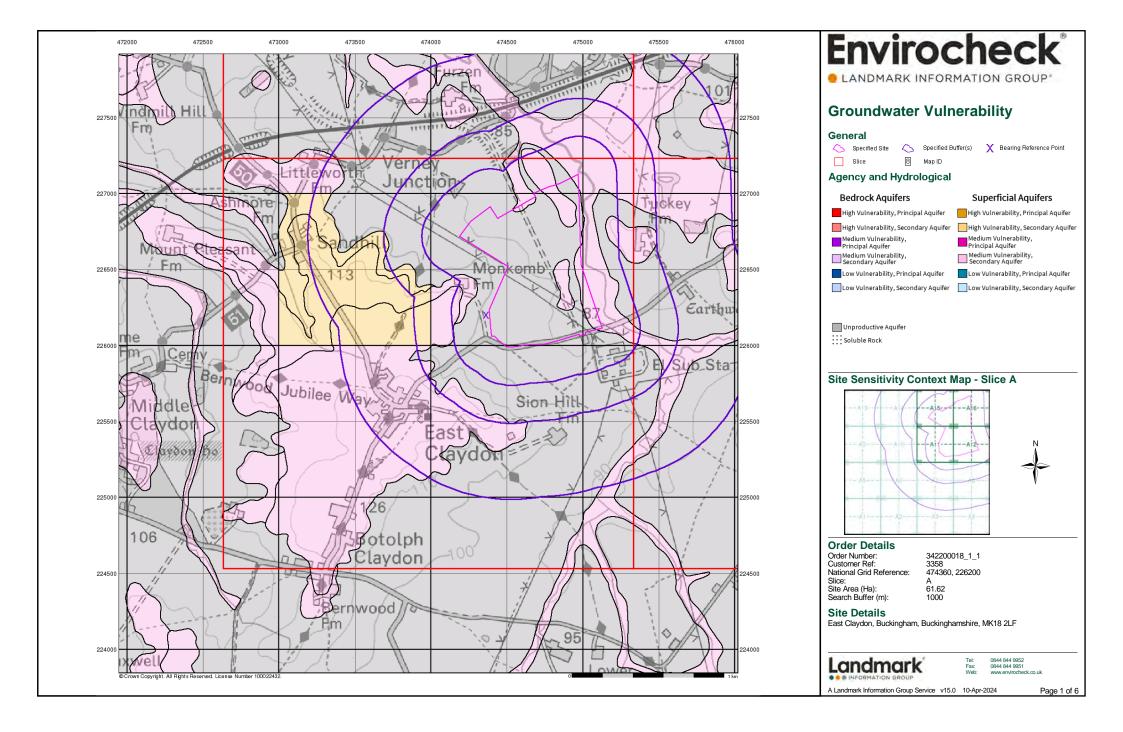
Site Area (Ha): Search Buffer (m): 61.62

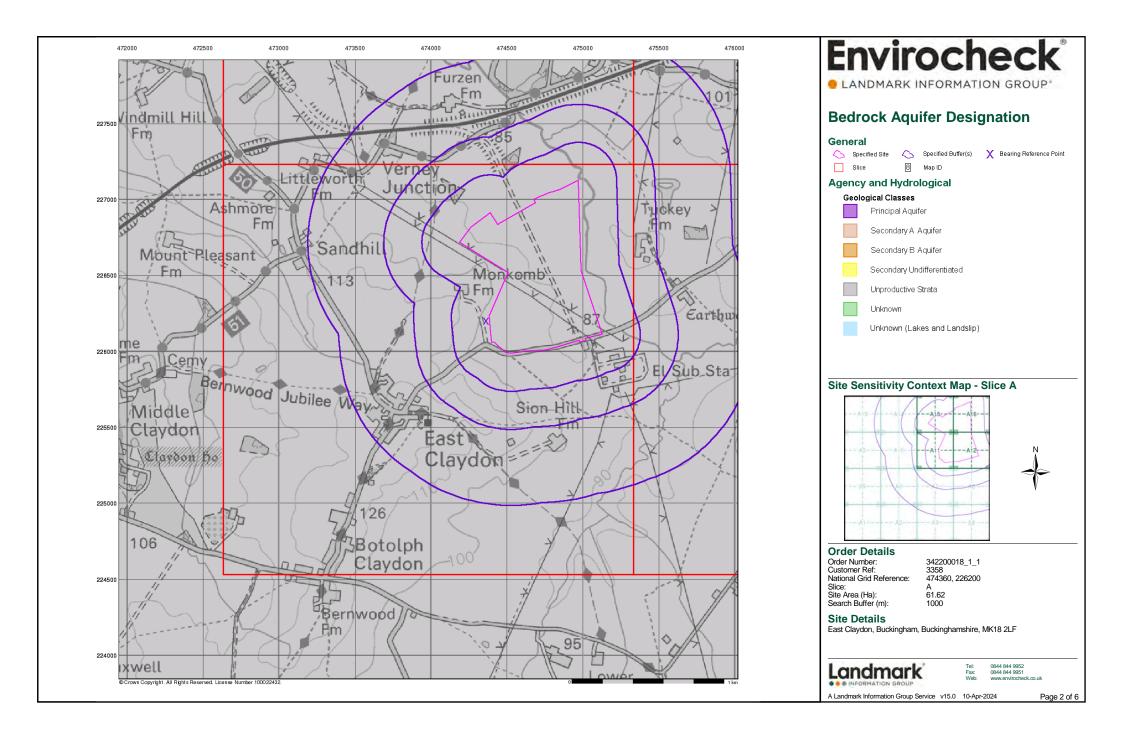
#### **Site Details**

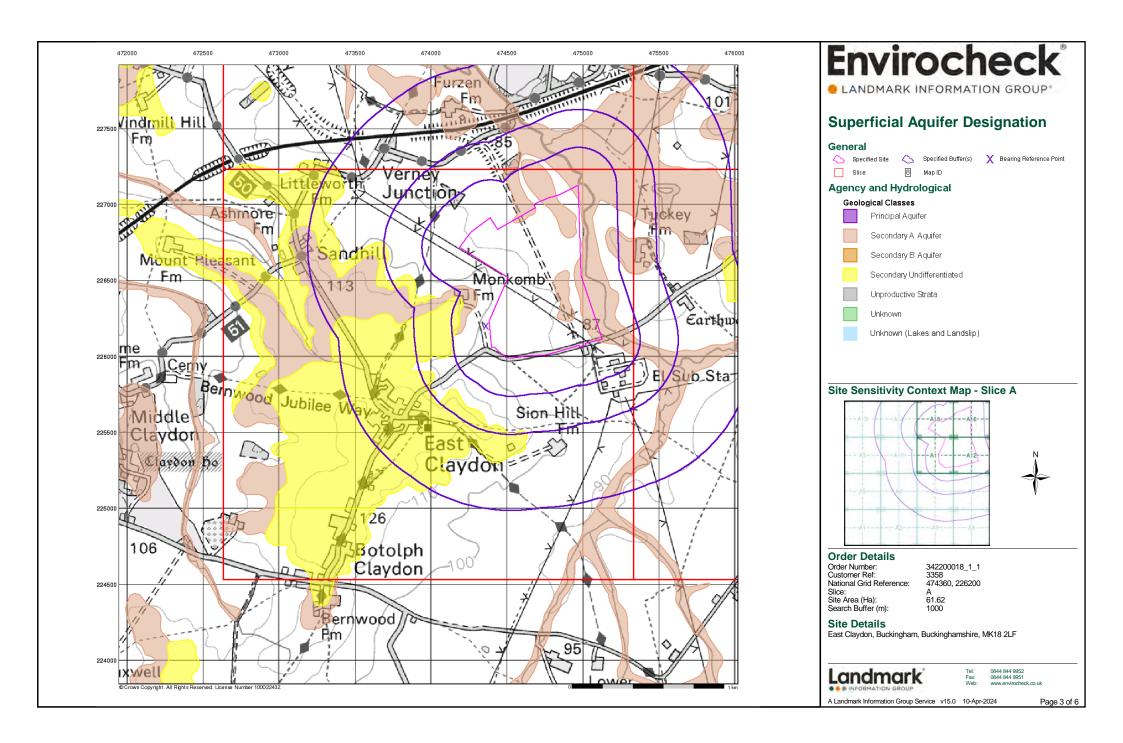
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

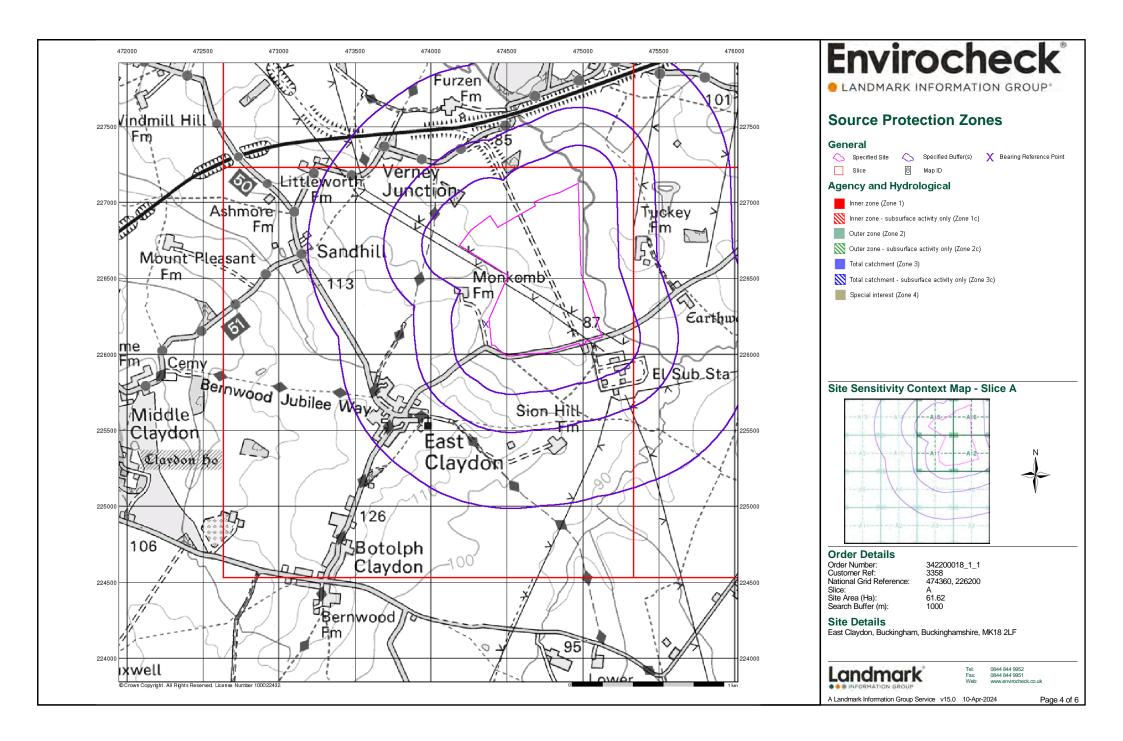
Landmark\*

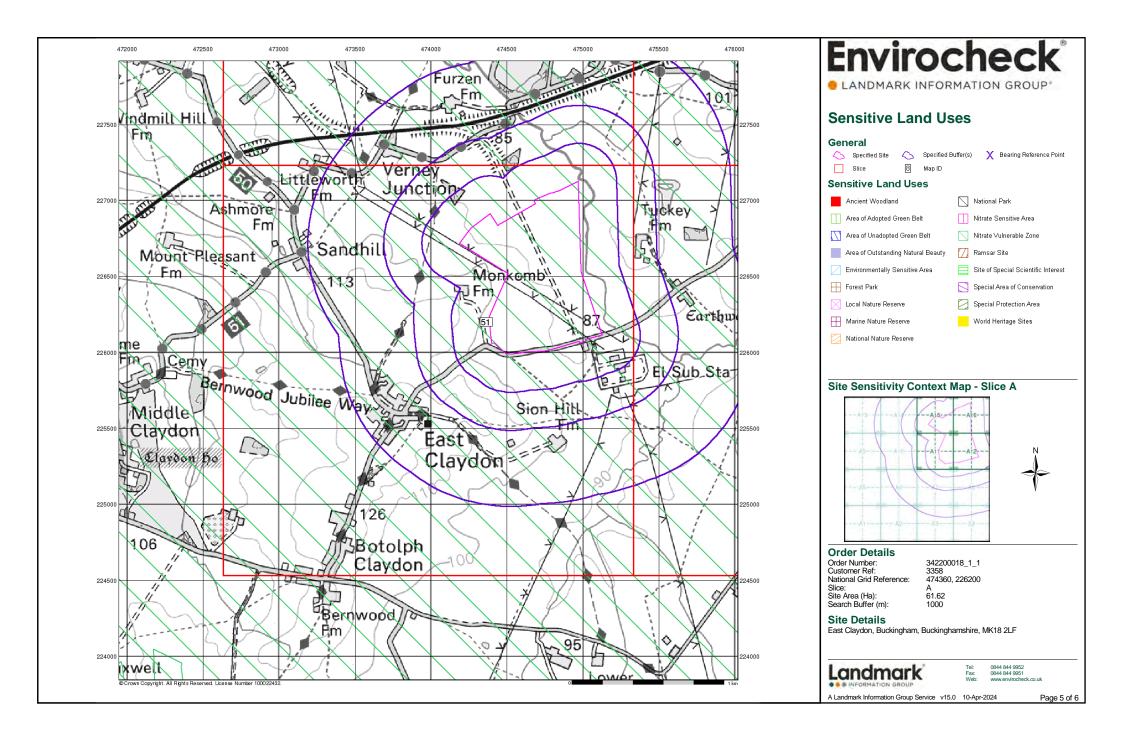
0844 844 9952 0844 844 9951 www.envirocheck.co.uk

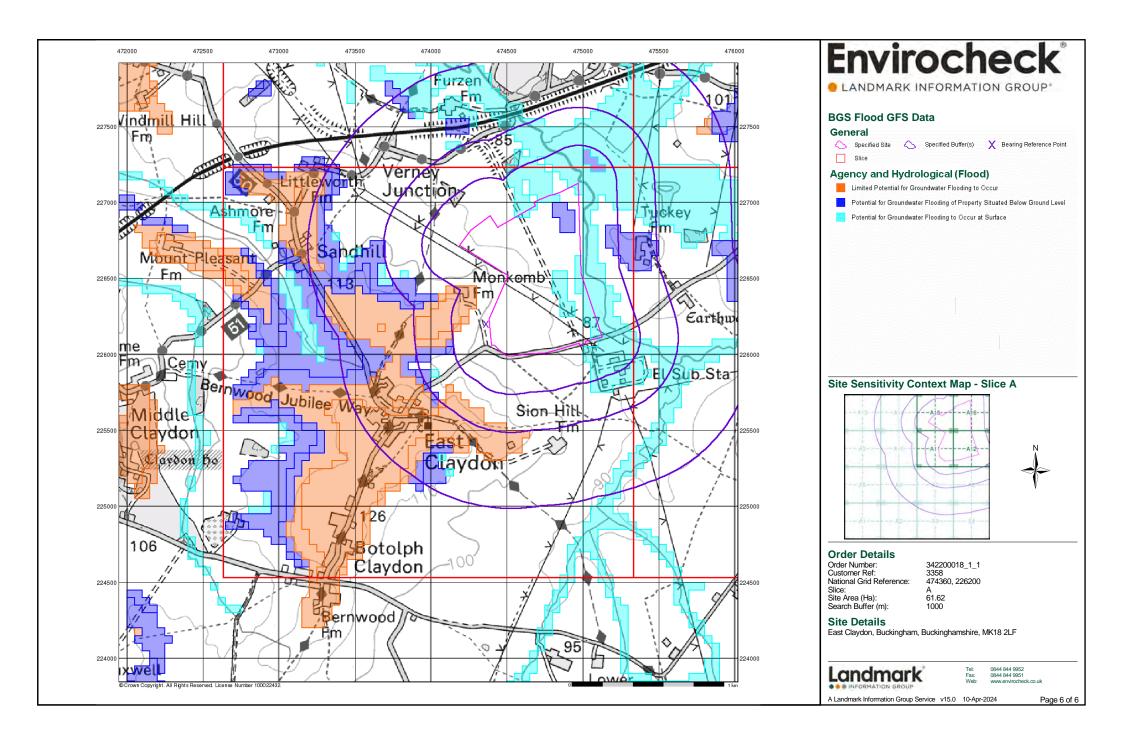














# **Envirocheck® Report:**

#### **Datasheet**

#### **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

474360, 226200

Slice:

Α

Site Area (Ha):

61.62

Search Buffer (m):

1000

#### **Site Details:**

East Claydon Buckingham Buckinghamshire MK18 2LF

#### **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	12
Hazardous Substances	-
Geological	13
Industrial Land Use	18
Sensitive Land Use	19
Data Currency	20
Data Suppliers	26
Useful Contacts	27

#### Introduction

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

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

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Report Version v53.0





Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				6
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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3	Yes			
Pollution Incidents to Controlled Waters	pg 3		1		
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 3	1			
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				1 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 4	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 7	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 7	Yes		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 7	4	12	4	11



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 12	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 12				2
Potentially Infilled Land (Water)	pg 12	1			1
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 13	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 13	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 14				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 16	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	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 18				4
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 18				2
Points of Interest - Public Infrastructure	pg 18				2
Points of Interest - Recreational and Environmental					
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					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 19	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NE (N)	0	1	474550 226900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NW (E)	0	1	474950 226400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (E)	0	1	475000 226202
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	1	474850 226800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NW	0	1	474800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE) A11NW	104	1	474300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW) A16NE (NE)	108	1	226300 475050 227200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (W)	135	1	474250 226202
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	167	1	475150 226700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (W)	187	1	474200 226200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (W)	240	1	474150 226150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SW)	245	1	474150 226100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SW)	250	1	474150 226050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (NW)	250	1	474150 226400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SW)	299	1	474100 226050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (NW)	308	1	474100 226350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NW)	345	1	474050 226350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (SW)	361	1	474150 225800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (W)	363	1	474000 226350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	369	1	474200 225750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A10NE (NW)	380	1	473850 226500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SW (SW)	386	1	474050 225900

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater I Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SW)	405	1	474000 226000
	BGS Groundwater I Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SW)	432	1	474000 225900
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (W)	440	1	473950 226300
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW	468	1	474050
	BGS Groundwater I	Flooding Susceptibility Limited Potential for Groundwater Flooding to Occur	(SW) A7NW	469	1	225750 474100
	BGS Groundwater I	Flooding Susceptibility  Potential for Groundwater Flooding to Occur at Surface	(SW)	477	1	225700 474200
		Flooding Susceptibility  Potential for Groundwater Flooding to Occur at Surface	A10NE	491	1	227350
	BGS Groundwater I	Flooding Susceptibility	(W)			226450
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (SW)	497	1	473950 225850
1	Discharge Consent Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	Palmerston Mercantile Ltd  WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)  Adj Verney Arms Verney Junction, Winslow, Bucks, Mk18 2jz Environment Agency, Anglian Region Padbury Brook (Steeple Clay Prcnf05981  1 6th October 1997 6th October 1997 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River  Tributary Claydon Brook Post National Rivers Authority Legislation where issue date > 31/08/1989 Located by supplier to within 100m	A14NE (NW)	546	2	473840 227160
1	Discharge Consent Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	Cattell Mrs FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB The Verney Arms Verney Junction, Middle Claydon, Bucks, Mk18 2jz Environment Agency, Anglian Region Not Given Prcnf14012 1 26th January 1998 26th January 1998 Not Supplied Sewage And Trade Combined - Unspecified Freshwater Stream/River  Tributary Claydon Brook Post National Rivers Authority Legislation where issue date > 31/08/1989 Located by supplier to within 100m	A14NE (NW)	554	2	473830 227160
2	Discharge Consent Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	The Claydon Estate FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Sion Hill, East Claydon Environment Agency, Anglian Region Not Supplied Pr1nfg0265u 1 29th November 1962 29th November 1962 20th February 1991 Agricultural effluents Not Supplied Not Supplied Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 100m	A8SW (SE)	612	2	474800 225400



Order Number: 342200018\_1\_1

### **Agency & Hydrological**

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Discharge Consents					
3	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	The Claydon Estate FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Granborough Road Farm, East Claydon Environment Agency, Anglian Region Not Supplied Pr1nfg0265h 1 29th November 1962 29th November 1962 20th February 1991 Agricultural effluents Not Supplied Not Supplied Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 100m	A7SW (SW)	688	2	474000 225500
	Discharge Consents	S				
4	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status:	The Claydon Estate FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Phoenix Fruit Farms Ltd., East Claydon Environment Agency, Anglian Region Not Supplied Pr1nfg0265q 1 29th November 1962 29th November 1962 20th February 1991 Agricultural effluents Not Supplied Not Supplied Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 100m	A6NE (SW)	757	2	473800 225600
	Discharge Consent	s				
5	,	The Claydon Estate FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Verney Farm, East Claydon Environment Agency, Anglian Region Not Supplied Pr1nfg0265w 1 29th November 1962 29th November 1962 20th February 1991 Agricultural effluents Not Supplied Not Supplied Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 100m	A6NW (SW)	923	2	473600 225600
	Nearest Surface Wa	iter reature	A15SE (N)	0		474440 226833
	Pollution Incidents	to Controlled Waters				
6	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity: Positional Accuracy:	Not Applicable Bedford District Environment Agency, Anglian Region Miscellaneous - Natural Tributary Padbury Brook 9th April 1996 3172 Not Given Freshwater Stream/River Algal Bloom Category 3 - Minor Incident Located by supplier to within 100m	A12SE (E)	64	2	475001 226001
	River Quality Name: GQA Grade: Reach: Estimated Distance (km): Flow Rate: Flow Type: Year:	Claydon Bk. River Quality B Winslow Stw Horwood Trib 5.2  Flow less than 0.62 cumecs River 2000	A12NE (E)	0	2	475090 226247



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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction:	J P Hinton 6/33/02/*G/0078 100 Well At East Claydon Environment Agency, Anglian Region General Farming And Domestic	A6NE (SW)	757	2	473800 225600
	Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Great Oolite; Status: Perpetuity 01 January 31 December 1st May 1967 Not Supplied Located by supplier to within 10m				
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	A R Capel 6/33/02/*G/0069 100 Well At Sandhill. Environment Agency, Anglian Region General Farming And Domestic Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Great Oolite; Status: Perpetuity 01 January 31 December 1st September 1966 Not Supplied Located by supplier to within 10m	A9NW (W)	1329	2	472900 226400
	Groundwater Vulne Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	rability Map Unproductive Aquifer (may have productive aquifer beneath) Unproductive Unproductive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90% 3-10m High	A11SE (E)	0	3	474361 226202
	Groundwater Vulne Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	rability Map Unproductive Aquifer (may have productive aquifer beneath) Unproductive Unproductive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90% <3m High	A12SE (E)	0	3	475000 226202



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	A16NW	0	3	474748
	Classification: Combined	Medium	(NE)			227000
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	<3m				
	Thickness:	· ·				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	A15NE (N)	0	3	474552 227000
	Combined	Medium	(N)			227000
	Vulnerability:	Hanna durativa Da dan ale Amelica. Dan durativa Compatibili Amelica				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:	<90%				
	Superficial	<3m				
	Thickness:					
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	A12NW	0	3	474830
	Classification:		(E)			226258
	Combined	Medium				
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial Thickness:	3-10m				
	Superficial	High				
	Recharge:	· ···g·				
	Groundwater Vulne	• •			_	
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	A16SW (NE)	0	3	474880 226792
	Combined	Medium	(142)			220132
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:					
	Superficial	3-10m				
	Thickness:	Lligh				
	Superficial	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aguifer - Medium Vulnerability	A15SE	0	3	474548
	Classification: Combined	Medium	(N)			226882
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	3-10m				
	Thickness:					
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	A12NW (E)	0	3	474988 226291
	Combined Vulnerability:	Medium	(-)			
	Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:	2.40-				
	Superficial Thickness:	3-10m				
	Superficial	High				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	A12NE (E)	0	3	475000 226248
	Combined	Medium				
	Vulnerability:					
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70% <90%				
	Superficial Patchiness:	30 /0				
	Superficial	<3m				
	Thickness:	TR. I				
	Superficial Recharge:	High				
	Groundwater Vulne	, ,				
	Combined Classification:	Unproductive Aquifer (may have productive aquifer beneath)	A11SE (S)	0	3	474361 226000
	Combined	Unproductive	(3)			220000
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low Well Connected Fractures				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness: Superficial	3-10m				
	Thickness:	J-10III				
	Superficial	No Data				
	Recharge:					



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map  Combined Unproductive Aquifer (may have productive aquifer beneath)  Classification: Combined Unproductive Vulnerability: Combined Aquifer: Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low	A16NW (N)	0	3	474677 227000
	Bedrock Flow: Well Connected Fractures  Dilution: <300 mm/year  Baseflow Index: 40-70%  Superficial <90%  Patchiness: Superficial <3m  Thickness: Superficial High  Recharge:				
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A11SE (E)	0	3	474361 226202
	Bedrock Aquifer Designations  Aquifer Designation: Unproductive Strata	A12SE (E)	0	3	475000 226202
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A	A12NW (E)	0	3	474830 226258
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A	A16SW (NE)	0	3	474880 226792
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A	A12NW (E)	0	3	474988 226291
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A15SE (N)	0	3	474548 226882
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A	A12NE (E)	0	3	475000 226248
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A12NW (E)	0	2	474948 226342
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A12NW (E)	0	2	474978 226352
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
8	Water Network Lines  Watercourse Form: Inland river Watercourse Level: 57.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11SE (S)	0	4	474378 226059
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 265.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15SE (N)	0	4	474440 226833



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15NE (N)	0	4	474589 226921
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 141.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15NE (N)	0	4	474597 226925
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NW (N)	4	4	474678 227004
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (E)	6	4	475025 226072
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 131.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (E)	15	4	475121 226097
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 83.0  Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (E)	15	4	475041 226076
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 536.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	18	4	475073 227052
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 166.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NE (NE)	21	4	475026 226485
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11SE (S)	23	4	474375 226061



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 580.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NE (NE)	25	4	475015 226530
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11SE (S)	26	4	474367 226063
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 536.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NE (NE)	28	4	475020 226525
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 431.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	99	4	475073 227052
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 447.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (E)	117	4	475242 226126
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 119.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15NE (N)	281	4	474478 227196
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 210.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (NW)	301	4	473831 226678
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (NW)	362	4	473828 226671
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 170.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (NW)	365	4	473823 226661



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14NE (NW)	633	4	473666 227075
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14NE (NW)	636	4	473660 227070
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (NW)	638	4	473534 226893
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: 499.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	(SE)	748	4	475383 225363
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 171.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (W)	809	4	473389 226602
33	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 26.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A10SW (W)	834	4	473584 225896
34	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 239.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A10SW (W)	851	4	473563 225911
35	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 189.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8SE (SE)	891	4	475274 225220
36	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 137.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8SE (SE)	910	4	475329 225218



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 280.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A4NE (SE)	987	4	475152 225064
38	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 473.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A4NE (SE)	987	4	475215 225102

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority La	ndfill Coverage				
	Name:	Aylesbury Vale District Council - Has supplied landfill data		0	6	474361 226202
	Local Authority La	ndfill Coverage				
	Name:	Buckinghamshire County Council - Has supplied landfill data		0	5	474361 226202
	Potentially Infilled	Land (Non-Water)				
39	Bearing Ref: Use: Date of Mapping:	W Unknown Filled Ground (Pit, quarry etc) 1984	A9NE (W)	961	-	473275 226412
	Potentially Infilled	Land (Non-Water)				
40	Bearing Ref: Use: Date of Mapping:	W Unknown Filled Ground (Pit, quarry etc) 1984	A13SE (W)	975	-	473218 226637
	Potentially Infilled	Land (Water)				
41	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	A16NW (N)	0	-	474686 226997
	Potentially Infilled	Land (Water)				
42	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	A6NE (SW)	613	-	473880 225738

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology				
	Description:	Kellaways Formation And Oxford Clay Formation (Undifferentiated)	A11SE (E)	0	1	474361 226202
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 90 - 120 mg/kg	A11SE (S)	0	1	474361 226000
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A12NW (E)	0	1	474830 226258
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A16SW (NE)	0	1	474880 226792
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A11SE (E)	0	1	474361 226202
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A16NE (NE)	75	1	475083 227108
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A12NE (E)	85	1	475213 226266





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A11SW (W)	118	1	474229 226219
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A16SE (NE)	170	1	475179 226691
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A11SW (SW)	363	1	474043 226000
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	A11SW (SW)	407	1	474000 225992
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	(SE)	628	1	475600 225621
43	BGS Recorded Mine Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:  BGS Measured Urba	Greenacres Sand Pit Sandhill, East Claydon, Buckingham, Buckinghamshire British Geological Survey, National Geoscience Information Service 74591 Opencast Ceased Unknown Operator Not Supplied Quaternary Glaciofluvial Deposits, Mid Pleistocene Sand Located by supplier to within 10m	A13SE (W)	989	1	473204 226644





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chem	nistry Averages				
	No data available					
	Coal Mining Affected					
	-	ot be affected by coal mining				
	Non Coal Mining Area No Hazard	is of Great Britain				
	Hazard Potential: N	ole Ground Stability Hazards lo Hazard ritish Geological Survey, National Geoscience Information Service	A15SE (N)	0	1	474548 226882
	Hazard Potential: N	ole Ground Stability Hazards lo Hazard Iritish Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	474988 226291
	Hazard Potential: N	ole Ground Stability Hazards lo Hazard vitish Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 226248
	Hazard Potential: V	ole Ground Stability Hazards Yery Low Juritish Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	474361 226202
	Hazard Potential: V	ole Ground Stability Hazards 'ery Low Iritish Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202
	Hazard Potential: V	ole Ground Stability Hazards 'ery Low Iritish Geological Survey, National Geoscience Information Service	A16SE (NE)	19	1	475000 226763
	Hazard Potential: V	ole Ground Stability Hazards fery Low ritish Geological Survey, National Geoscience Information Service	A16NE (NE)	75	1	475083 227108
	Hazard Potential: V	ole Ground Stability Hazards fery Low rritish Geological Survey, National Geoscience Information Service	A12NE (E)	85	1	475213 226266
	Hazard Potential: V	ole Ground Stability Hazards  Yery Low  British Geological Survey, National Geoscience Information Service	A16NW (NE)	94	1	474966 227226
	Hazard Potential: M	ssible Ground Stability Hazards  foderate  british Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	474988 226291
	Hazard Potential: N	ssible Ground Stability Hazards  Moderate  Irritish Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 226248
	Hazard Potential: N	ssible Ground Stability Hazards lo Hazard stritish Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202
	Hazard Potential: N	ssible Ground Stability Hazards  Moderate  Iritish Geological Survey, National Geoscience Information Service	A15SE (N)	0	1	474548 226882
	Hazard Potential: N	ssible Ground Stability Hazards lo Hazard iritish Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	474361 226202
	Hazard Potential: N	ssible Ground Stability Hazards lo Hazard ritish Geological Survey, National Geoscience Information Service	A16SE (NE)	19	1	475000 226763
	Hazard Potential: N	ssible Ground Stability Hazards lo Hazard ritish Geological Survey, National Geoscience Information Service	A16NE (NE)	75	1	475083 227108
	Hazard Potential: N	ssible Ground Stability Hazards lo Hazard ritish Geological Survey, National Geoscience Information Service	A12NE (E)	85	1	475213 226266
	Hazard Potential: N	ssible Ground Stability Hazards lo Hazard ritish Geological Survey, National Geoscience Information Service	A16NW (NE)	94	1	474966 227226





lap ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard Survey, National Geoscience Information Servi	A11SE (E)	0	1	474361 226202
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Servi	A12SE ce (E)	0	1	475000 226202
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low	A11SE	0	1	474361
	Source: British Geological Survey, National Geoscience Information Servi	ce (E)			226202
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Servi	A12SE (E)	0	1	475000 226202
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Low Source: Low British Geological Survey, National Geoscience Information Servi	A12NW ce (E)	0	1	474988 226291
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Servi	A12NE ce (E)	0	1	475000 226248
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Servi	A15SE (N)	0	1	474548 226882
	Potential for Running Sand Ground Stability Hazards	, ,			
	Hazard Potential: No Hazard Source: No Hazard Survey, National Geoscience Information Servi	A11SE (E)	0	1	474361 226202
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Servi	A12SE ce (E)	0	1	475000 226202
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Servi	A16SW (NE)	0	1	474880 226792
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Very Low Source: Very Low British Geological Survey, National Geoscience Information Servi	A12NW ce (E)	0	1	474830 226258
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard Survey, National Geoscience Information Servi	A16SE (NE)	19	1	475000 226763
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Very Low Source: Very Low British Geological Survey, National Geoscience Information Servi	A16NE (NE)	75	1	475083 227108
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard Survey, National Geoscience Information Servi	A12NE ce (E)	85	1	475213 226266
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Servi	A16NW (NE)	94	1	474966 227226
	Potential for Running Sand Ground Stability Hazards	()			
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Servi	A11SW (W)	118	1	474229 226219
	Potential for Running Sand Ground Stability Hazards	()			
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Servi	A16SE (NE)	170	1	475179 22669
	Potential for Shrinking or Swelling Clay Ground Stability Hazards	, ,			
	Hazard Potential: Moderate Source: Moderate Sritish Geological Survey, National Geoscience Information Servi	A11SE ce (E)	0	1	474361 226202
	Potential for Shrinking or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Moderate Source: Moderate British Geological Survey, National Geoscience Information Servi	A12SE (E)	0	1	475000 226202
	Potential for Shrinking or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Servi	A11NW ce (W)	239	1	474143 226244



# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - R	adon Affected Areas				
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	474361 226202
	Radon Potential - Radon Affected Areas					
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202
	Radon Potential - R	adon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	474361 226202
	Radon Potential - R	don Potential - Radon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 17 of 27



#### **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries  A J Spittles Ltd 6, Lacemakers Close, East Claydon, Buckingham, MK18 2FA Electrical Engineers Active Automatically positioned to the address	A6NE (SW)	713	-	473736 225802
45	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Stephen Brown Antiques New Farm, 2, St. Marys Road, East Claydon, Buckingham, MK18 2NA Joinery Manufacturers Inactive Automatically positioned to the address	A6NE (SW)	736	-	473797 225639
46	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries  Aylesbury Truck Engineering Services Ltd Sandhill Road, East Claydon, Buckingham, MK18 2LY Commercial Vehicle Servicing, Repairs, Parts & Accessories Inactive Automatically positioned to the address	A6NE (SW)	777	-	473663 225817
47	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	A & M Cleaning Jasmine Cottage,St. Marys Rd, East Claydon, Buckingham, Buckinghamshire, MK18 2LX Carpet, Curtain & Upholstery Cleaners Inactive Manually positioned to the road within the address or location	A6SE (SW)	901	-	473722 225467
48	Name: Location: Category: Class Code:	Manufacturing and Production  Pit MK18 Extractive Industries Unspecified Quarries Or Mines Positioned to an adjacent address or location	A8SW (SE)	576	7	474886 225449
49	Name: Location: Category: Class Code:	Manufacturing and Production R H Dickins Verney Farmhouse 1, Sandhill Road, East Claydon, Buckingham, MK18 2FY Farming Livestock Farming Positioned to address or location	A6NW (SW)	872	7	473643 225628
50	Name: Location: Category: Class Code:	Public Infrastructure Slurry MK18 Infrastructure and Facilities Waste Storage, Processing and Disposal Positioned to an adjacent address or location	A8SW (SE)	572	7	474886 225453
50	Name: Location: Category: Class Code:	Public Infrastructure Slurry Pit MK18 Infrastructure and Facilities Waste Storage, Processing and Disposal Positioned to address or location	A8SW (SE)	581	7	474904 225448

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#### **Sensitive Land Use**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR	
	Nitrate Vulnerab	le Zones				
51			A11SE (E)	0	3	474361 226202

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Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices	Describer 2010	Annual Delli
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health Buckinghamshire Council	December 2019 December 2019	Annual Rolling Update Annual Rolling Update
Environment Agency - Head Office	November 2023	Annually
Discharge Consents	November 2020	rundany
Environment Agency - Anglian Region	January 2024	Quarterly
Environment Agency - Thames Region	January 2024	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Thames Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Thames Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - South East Region - West Thames Area	October 2023	Quarterly
Environment Agency - Thames Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control	F.1	
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Variable
Buckinghamshire Council	February 2015	Variable
Local Authority Pollution Prevention and Controls	Fab	Annual Dall
Buckinghamshire Council  Avlashury Vala District Council (now part of Buckinghamshire Council) Fovironmental Health	February 2015	Annual Rolling Updat
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Not Applicable
Local Authority Pollution Prevention and Control Enforcements	Fabruary 2045	Variable
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health Buckinghamshire Council	February 2015 February 2015	Variable Variable
	r ebituary 2015	Variable
Nearest Surface Water Feature Ordnance Survey	February 2024	
Pollution Incidents to Controlled Waters	. 65.44.7 262.	
Environment Agency - Anglian Region	September 1999	
Environment Agency - Thames Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Thames Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Thames Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Thames Region	June 2016	As notified
Environment Agency - Head Office	May 2023	Quarterly
River Quality	Navarahar 2004	Not Applicable
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
	Αριίί 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register	71011 2012	
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - Thames Region - West Area	January 2024	Quarterly
Water Abstractions	, -	, , , ,
Environment Agency - Anglian Region	October 2023	Quarterly
Environment Agency - Thames Region	October 2023	Quarterly
Water Industry Act Referrals		
Environment Agency - Thames Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified

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Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	January 2024	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines		
Ordnance Survey	January 2024	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	As notified

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 21 of 27



Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Thames Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - Thames Region - West Area	January 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - West Thames Area	January 2023	Quarterly
Environment Agency - Thames Region - West Area	January 2023	Quarterly
Local Authority Landfill Coverage		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2003	Not Applicable
Buckinghamshire Council	February 2003	Not Applicable
Buckinghamshire County Council	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	October 2018	
Buckinghamshire Council	October 2018	
Buckinghamshire County Council	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Thames Region - West Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Thames Region - West Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Thames Region - West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2024	Bi-Annually
,	Juliary 2027	Di Ailiualiy
Explosive Sites	March 2017	
Health and Safety Executive	IVICITIE ZUII	
,		
Notification of Installations Handling Hazardous Substances (NIHHS)	August 2004	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Notification of Installations Handling Hazardous Substances (NIHHS)  Health and Safety Executive  Planning Hazardous Substance Enforcements	<u>-</u>	Warrania.
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive  Planning Hazardous Substance Enforcements  Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2016	Variable
Notification of Installations Handling Hazardous Substances (NIHHS)  Health and Safety Executive  Planning Hazardous Substance Enforcements  Aylesbury Vale District Council (now part of Buckinghamshire Council)  Buckinghamshire Council	February 2016 February 2016	Variable
Health and Safety Executive  Notification of Installations Handling Hazardous Substances (NIHHS)  Health and Safety Executive  Planning Hazardous Substance Enforcements  Aylesbury Vale District Council (now part of Buckinghamshire Council)  Buckinghamshire Council  Buckinghamshire County Council	February 2016	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive  Planning Hazardous Substance Enforcements Aylesbury Vale District Council (now part of Buckinghamshire Council) Buckinghamshire Council Buckinghamshire County Council  Planning Hazardous Substance Consents	February 2016 February 2016 February 2023	Variable Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive  Planning Hazardous Substance Enforcements Aylesbury Vale District Council (now part of Buckinghamshire Council) Buckinghamshire Council	February 2016 February 2016	Variable

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Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	October 2023	Annually

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Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	October 2023	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines		
National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services		
PointX	March 2024	Quarterly
Points of Interest - Education and Health		
PointX	March 2024	Quarterly
Points of Interest - Manufacturing and Production		
PointX	March 2024	Quarterly
Points of Interest - Public Infrastructure		
PointX	March 2024	Quarterly
Points of Interest - Recreational and Environmental		
PointX	March 2024	Quarterly
Underground Electrical Cables		
National Grid	February 2023	Bi-Annually

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Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Unadopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	February 2024	Bi-Annually
Marine Nature Reserves		
Natural England	February 2024	Bi-Annually
National Nature Reserves		
Natural England	February 2024	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	March 2023	Bi-Annually
Ramsar Sites		
Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest		
Natural England	November 2023	Bi-Annually
Special Areas of Conservation		
Natural England	October 2023	Bi-Annually
Special Protection Areas		
Natural England	October 2023	Bi-Annually

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A selection of organisations who provide data within this report

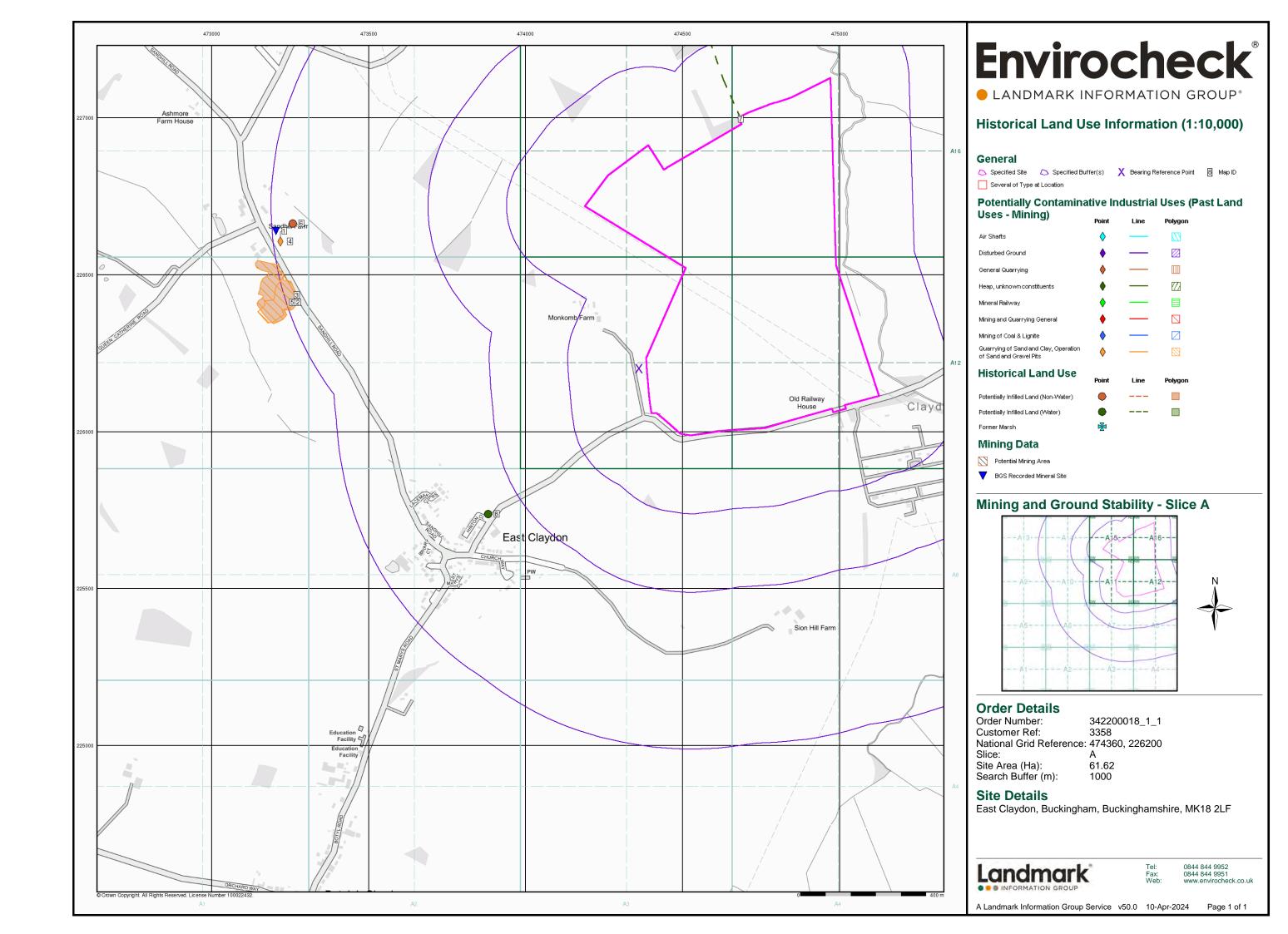
Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
Environment Agency	Environment
Scottish Environment Protection Agency	S E PA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymro Matural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE じぶん
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

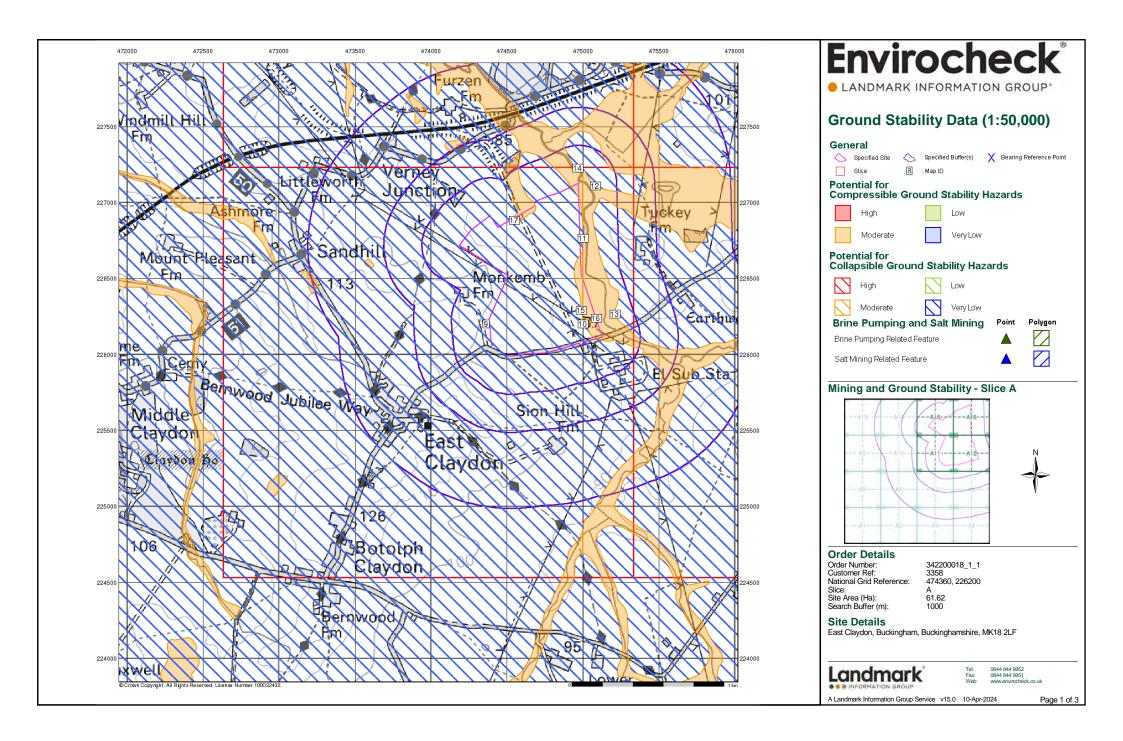


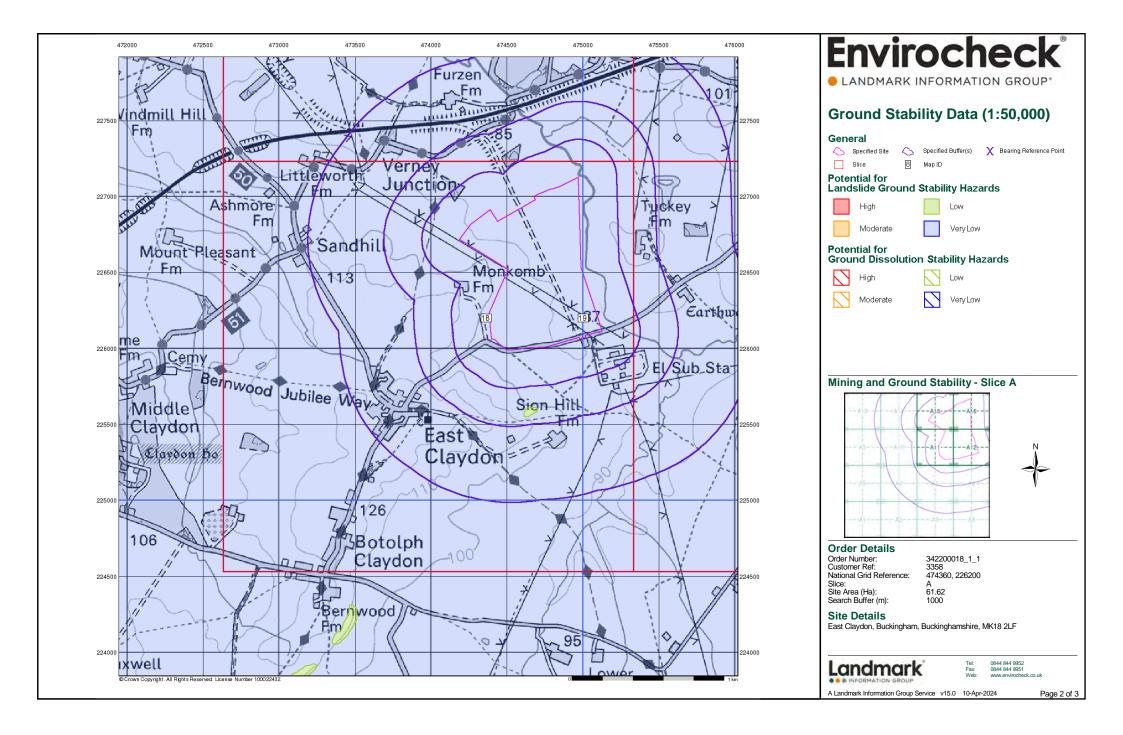
#### **Useful Contacts**

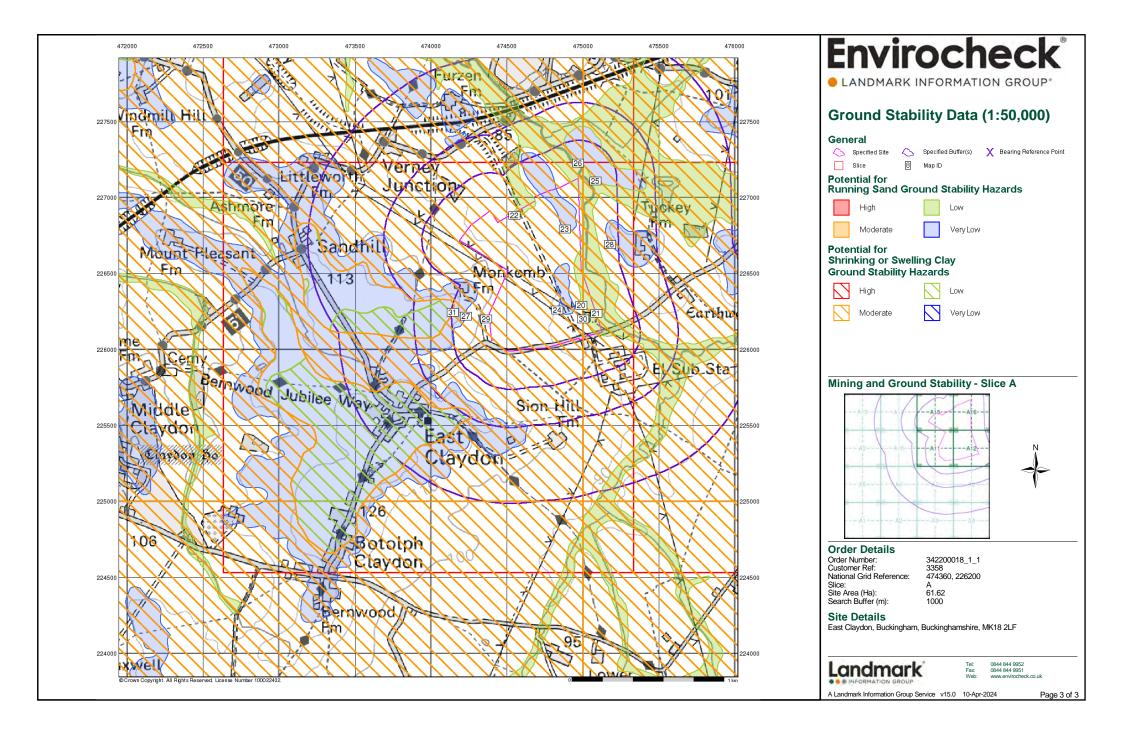
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
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	Buckinghamshire County Council County Hall, Aylesbury, Buckinghamshire, HP20 1UA	Telephone: 01296 395900 Fax: 01296 88887 Website: www.buckscc.gov.uk
6	Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health Customer Service Centre, 66 High Street, Aylesbury, Buckinghamshire, HP20 1SD	Telephone: 01296 585858 Fax: 01296 398804 Website: www.aylesburyvaledc.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	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.











## **Envirocheck® Report:**

## Mining and Ground Stability Datasheet

## **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

474360, 226200

Slice:

Α

Site Area (Ha):

61.62

Search Buffer (m):

1000

## Site Details:

East Claydon Buckingham Buckinghamshire MK18 2LF

## **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN



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Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

## Mining and Natural Cavities Data

1

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

## Historical Land Use Information (1:2,500)

\_

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

## **Historical Land Use Information (1:10,000)**

2

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

### **Ground Stability Data (1:50,000)**

3

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

## Historical Map List 5

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	7
Data Suppliers	8
Useful Contacts	9

#### Copyright Notice

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1				1
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 2				3
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 2				2
Potentially Infilled Land (Water)	pg 2	1			1
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Salt Mining Related Features					





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## **Mining and Natural Cavities Data**

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Recorded Mine	eral Sites				
1	Site Name: Location: Source: Reference: Type: Status: Operator: Operator Location: Periodic Type: Geology: Commodity: Positional Accuracy:	Greenacres Sand Pit Sandhill, East Claydon, Buckingham, Buckinghamshire British Geological Survey, National Geoscience Information Service 74591 Opencast Ceased Unknown Operator Not Supplied Quaternary Glaciofluvial Deposits, Mid Pleistocene Sand Located by supplier to within 10m	A13SE (W)	989	1	473204 226644
	Coal Mining Affecte	d Areas				
	In an area which may	y not be affected by coal mining				
	Non Coal Mining Ar No Hazard	eas of Great Britain				

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 1 of 9



## **Historical Land Use Information (1:10,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Quarrying of sand	& clay, operation of sand & gravel pits				
2	Use: Date of Mapping:	Not Supplied 1952	A9NE (W)	961	-	473275 226412
	Quarrying of sand	& clay, operation of sand & gravel pits				
3	Use: Date of Mapping:	Not Supplied 1885	A9NE (W)	963	-	473271 226432
	Quarrying of sand	& clay, operation of sand & gravel pits				
4	Use: Date of Mapping:	Not Supplied 1923	A13SE (W)	975	-	473218 226637
	Potentially Infilled	Land (Non-Water)				
5	Use: Date of Mapping:	Unknown Filled Ground (Pit, quarry etc) 1984	A9NE (W)	961	-	473275 226412
	Potentially Infilled	Land (Non-Water)				
6	Use: Date of Mapping:	Unknown Filled Ground (Pit, quarry etc) 1984	A13SE (W)	975	-	473218 226637
	Potentially Infilled	Land (Water)				
7	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	A16NW (N)	0	-	474686 226997
	Potentially Infilled	Land (Water)				
8	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	A6NE (SW)	613	-	473880 225738

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 2 of 9



## **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards				
9	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Ser	vice A11SE	0	1	474361 226202
	Potential for Collapsible Ground Stability Hazards	(2)			
10	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Ser	A12SE (E)	0	1	475000 226202
	Potential for Collapsible Ground Stability Hazards				
11	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Ser	A16SE (NE)	19	1	475000 226763
12	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low	A16NE	75	1	475083
	Source: British Geological Survey, National Geoscience Information Ser	vice (NE)			227108
	Potential for Collapsible Ground Stability Hazards				
13	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Ser	vice A12NE (E)	85	1	475213 226266
	Potential for Collapsible Ground Stability Hazards				
14	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Ser	vice A16NW (NE)	94	1	474966 227226
	Potential for Collapsible Ground Stability Hazards	(**=)			
	Hazard Potential: No Hazard	A15SE	0	1	474548
	Source: British Geological Survey, National Geoscience Information Ser	vice (N)			226882
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard	A12NW	0	1	474988
	Source: British Geological Survey, National Geoscience Information Ser	vice (E)			226291
	Potential for Collapsible Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Ser	A12NE	0	1	475000 226248
	Potential for Compressible Ground Stability Hazards				
15	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Ser	vice A12NW (E)	0	1	474988 226291
	Potential for Compressible Ground Stability Hazards	4.015			4====
16	Hazard Potential:   Moderate   Source:   British Geological Survey, National Geoscience Information Ser	vice A12NE	0	1	475000 226248
	Potential for Compressible Ground Stability Hazards	, ,			
17	Hazard Potential: Moderate	A15SE	0	1	474548
	Source: British Geological Survey, National Geoscience Information Ser	vice (N)			226882
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	A400E		4	475000
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Ser	vice A12SE (E)	0	1	475000 226202
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	A11SE	0	1	474361
	Source: British Geological Survey, National Geoscience Information Ser	vice (E)			226202
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard  Source: Pritish Coolegical Survey, National Cooperance Information Services	A16SE	19	1	475000
	Source: British Geological Survey, National Geoscience Information Ser	vice (NE)			226763
	Potential for Compressible Ground Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Ser	A16NE (NE)	75	1	475083 227108
	Potential for Compressible Ground Stability Hazards	(IVL)			221100
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Ser	A12NE (E)	85	1	475213 226266
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: Source: No Hazard British Geological Survey, National Geoscience Information Ser	A16NW (NE)	94	1	474966 227226
	Potential for Ground Dissolution Stability Hazards				

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



## **Ground Stability Data (1:50,000)**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards		_		
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202
18	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	474361 226202
19	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202
20	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	474988 226291
21	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 226248
22	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	0	1	474548 226882
23	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	474880 226792
24	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	474830 226258
25	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	75	1	475083 227108
26	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	94	1	474966 227226
27	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (W)	118	1	474229 226219
28	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	170	1	475179 226691
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	474361 226202
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A16SE (NE)	19	1	475000 226763
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	A12NE (E)	85	1	475213 226266
29	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	474361 226202
30	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	475000 226202
31	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	239	1	474143 226244

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



## **Historical Map List**

## The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SP7325	1977
Ordnance Survey Plan	SP7327	1977
Ordnance Survey Plan	SP7425	1977
Ordnance Survey Plan	SP7425	1977
Ordnance Survey Plan	SP7426	1977
Ordnance Survey Plan	SP7426	1977
Ordnance Survey Plan	SP7426	1977
Ordnance Survey Plan	SP7426	1977
Ordnance Survey Plan	SP7427	1977
Ordnance Survey Plan	SP7427	1977
Ordnance Survey Plan	SP7525	1977
Ordnance Survey Plan	SP7526	1977
Ordnance Survey Plan	SP7526	1977
Ordnance Survey Plan	SP7527	1977
Ordnance Survey Plan	SP7326	1978
Ordnance Survey Plan	SP7326	1978



## **Historical Map List**

## The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Buckinghamshire	023_00	1883
Oxfordshire	018_00	1885
Buckinghamshire	019_00	1885
Buckinghamshire	022_00	1885
Buckinghamshire	018_SE	1900
Buckinghamshire	019_SW	1900
Buckinghamshire	022_NE	1900
Buckinghamshire	023_NW	1900
Buckinghamshire	018_00	1923
Oxfordshire	018_00	1923
Buckinghamshire	019_SW	1926
Buckinghamshire	018_00	1952
Buckinghamshire	019_SW	1952
Buckinghamshire	022_NE	1952
Buckinghamshire	023_NW	1952
Ordnance Survey Plan	SP72NE	1958
Ordnance Survey Plan	SP72SE	1958
Ordnance Survey Plan	SP72SW	1958
Ordnance Survey Plan	SP72NW	1959
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SP72NW	1984
Ordnance Survey Plan	SP72SE	1984
Ordnance Survey Plan	SP72SW	1984
Ordnance Survey Plan	SP72NE	1985



## **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	As notified
,	April 2020	As notified
British Geological Survey - National Geoscience Information Service  Potential for Compressible Ground Stability Hazards  British Geological Survey - National Geoscience Information Service	April 2020 January 2019	As notified  As notified
Potential for Compressible Ground Stability Hazards	·	
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·	
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Ground Dissolution Stability Hazards	January 2019	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Landslide Ground Stability Hazards	January 2019	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019 January 2019	As notified  As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019 January 2019	As notified  As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019  January 2019  January 2019	As notified  As notified  As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019  January 2019  January 2019	As notified  As notified  As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Running Sand Ground Stability Hazards	January 2019  January 2019  January 2019  January 2019	As notified  As notified  As notified  As notified

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 7 of 9





A selection of organisations who provide data within this report

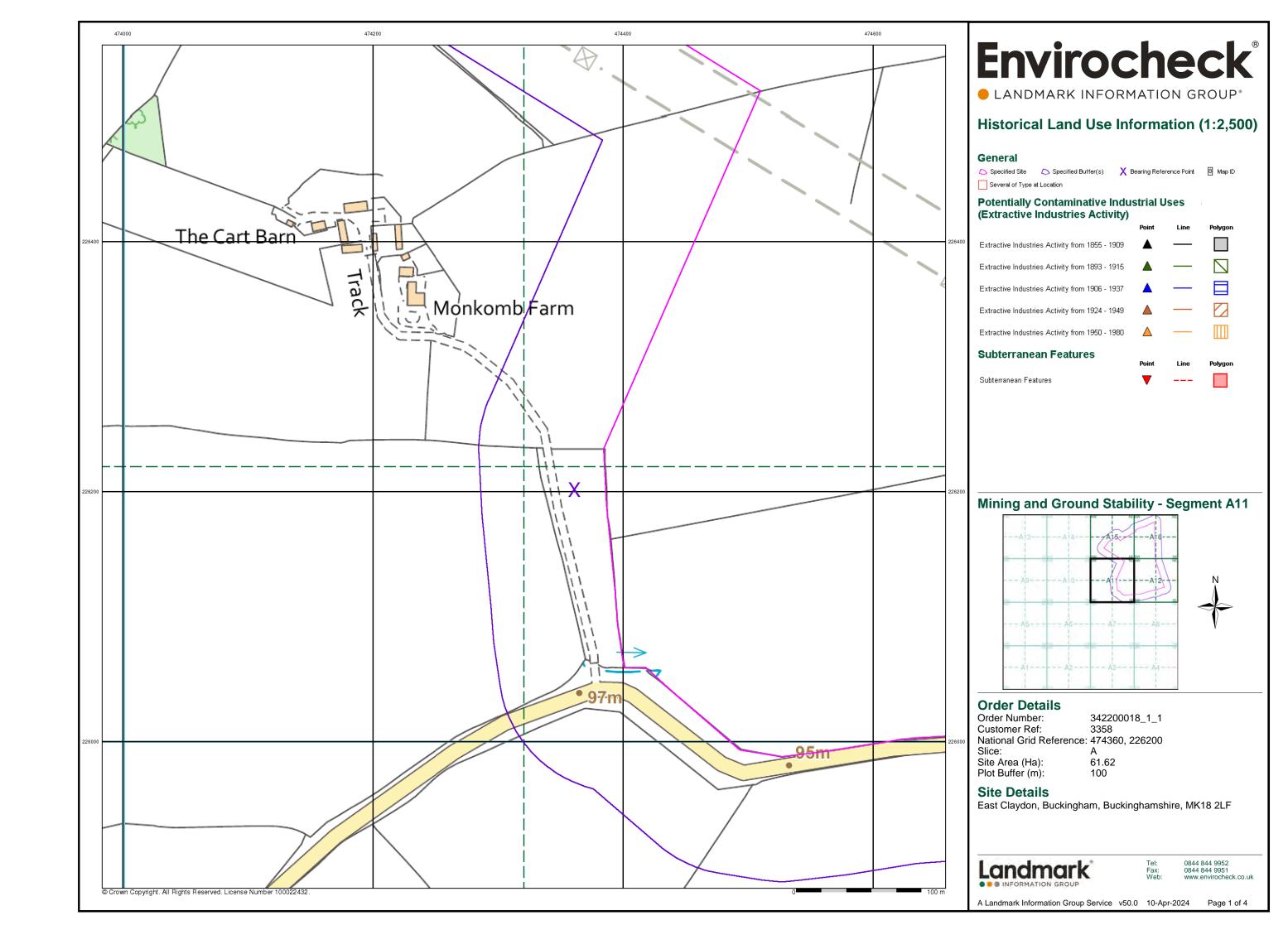
Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

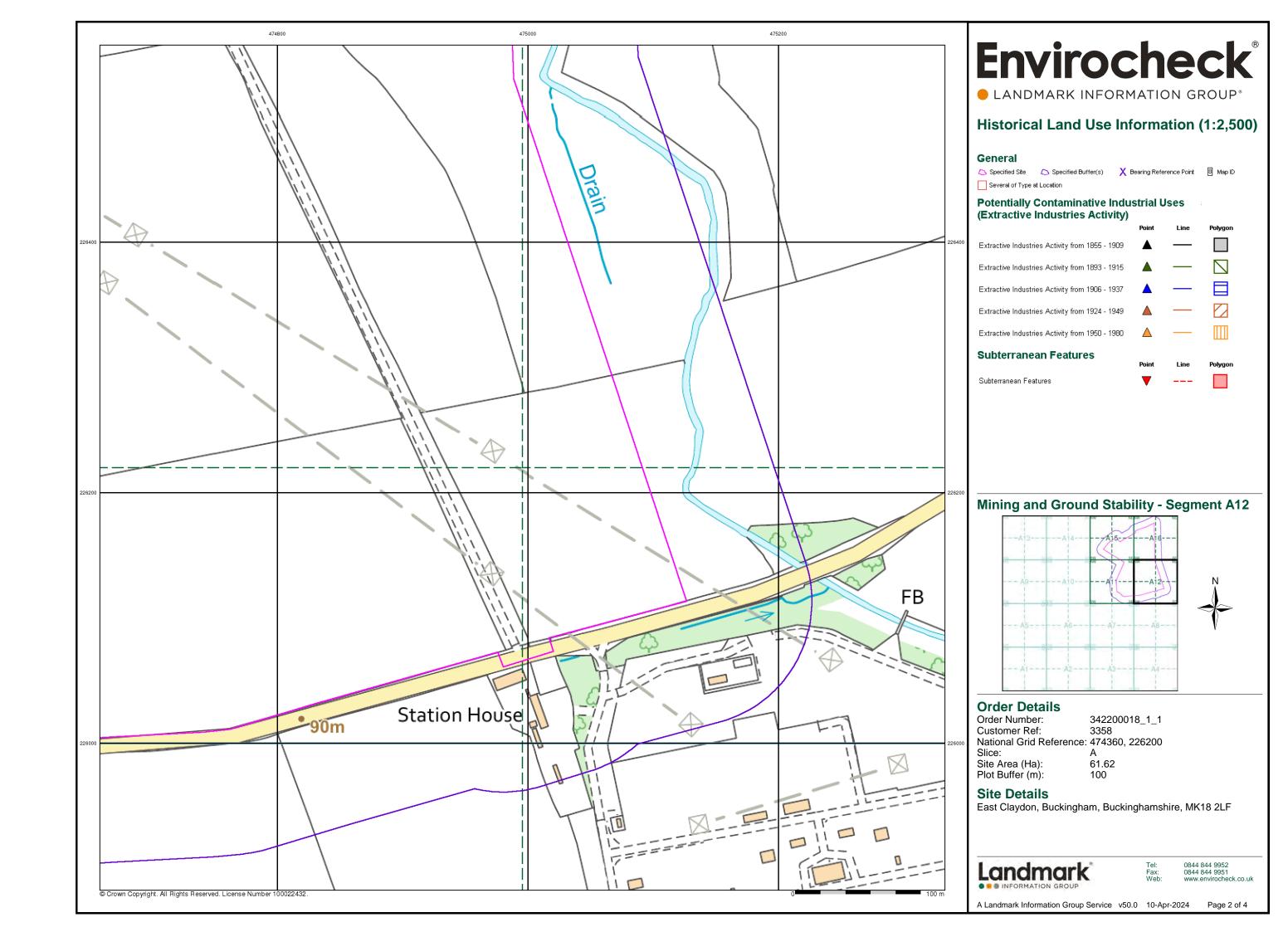


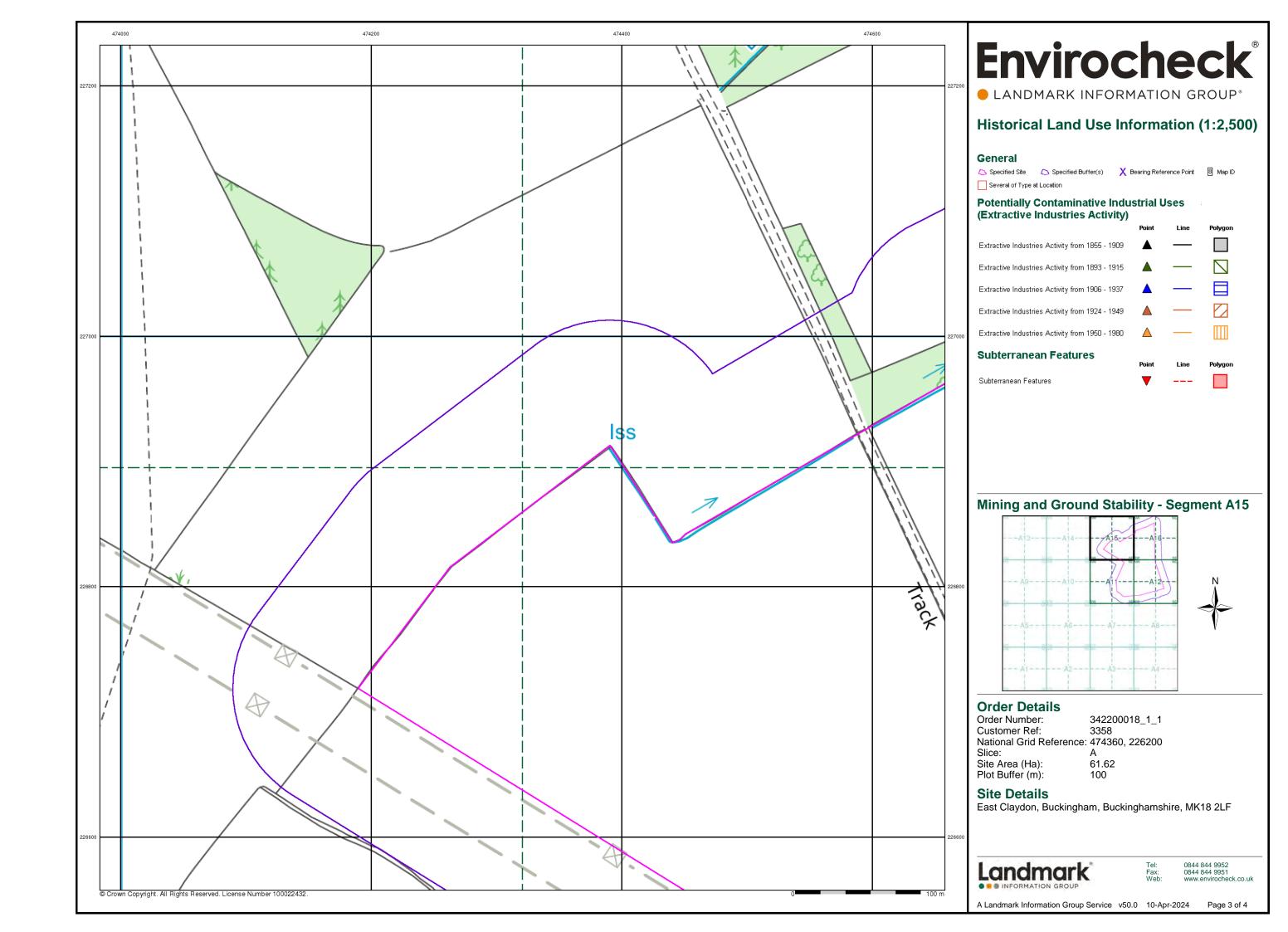
## **Useful Contacts**

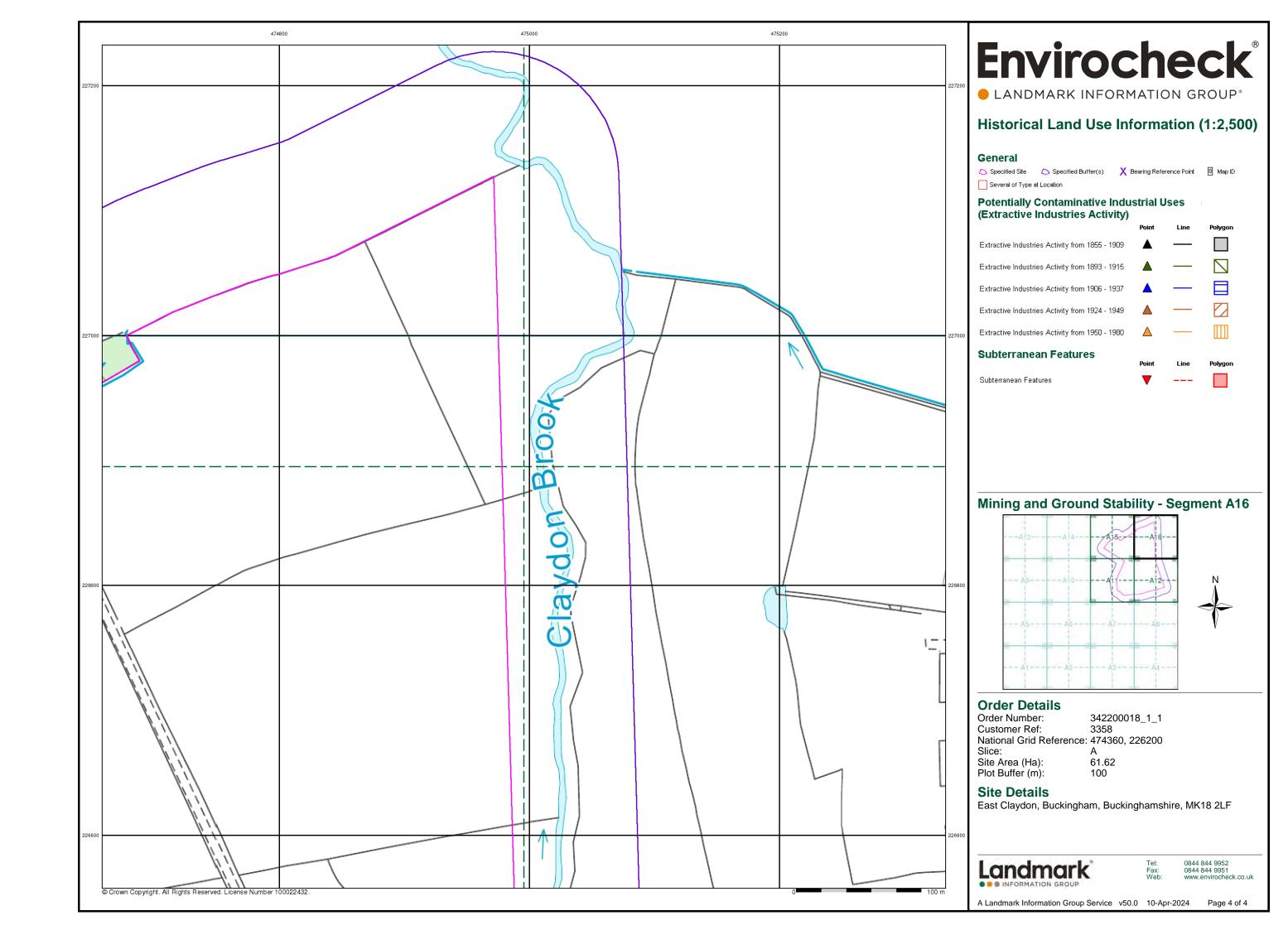
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	Landmark Information 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

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 9 of 9









## **Geology 1:50,000 Maps Legends**

#### **Artificial Ground and Landslip**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GDU	Glacial Deposits	Clay, Silt and Sand	Not Supplied - Pleistocene
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WEY	Weymouth Member	Mudstone	Not Supplied - Oxfordian
	WWB	West Walton Formation	Mudstone	Not Supplied - Oxfordian
	SBY	Stewartby Member	Mudstone	Not Supplied - Callovian
	PET	Peterborough Member	Mudstone	Not Supplied - Callovian

## **Envirocheck**®

LANDMARK INFORMATION GROUP\*

#### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

 Map ID:
 1

 Map Sheet No:
 219

 Map Name:
 Buckingham

 Map Date:
 2002

 Bedrock Geology:
 Available

 Superficial Geology:
 Available

Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

### Geology 1:50,000 Maps - Slice A





#### **Order Details:**

Order Number: 342200018\_1\_1
Customer Reference: 3358
National Grid Reference: 474360, 226200
Slice: A
Site Area (Ha): 61.62
Search Buffer (m): 1000

Site Details:

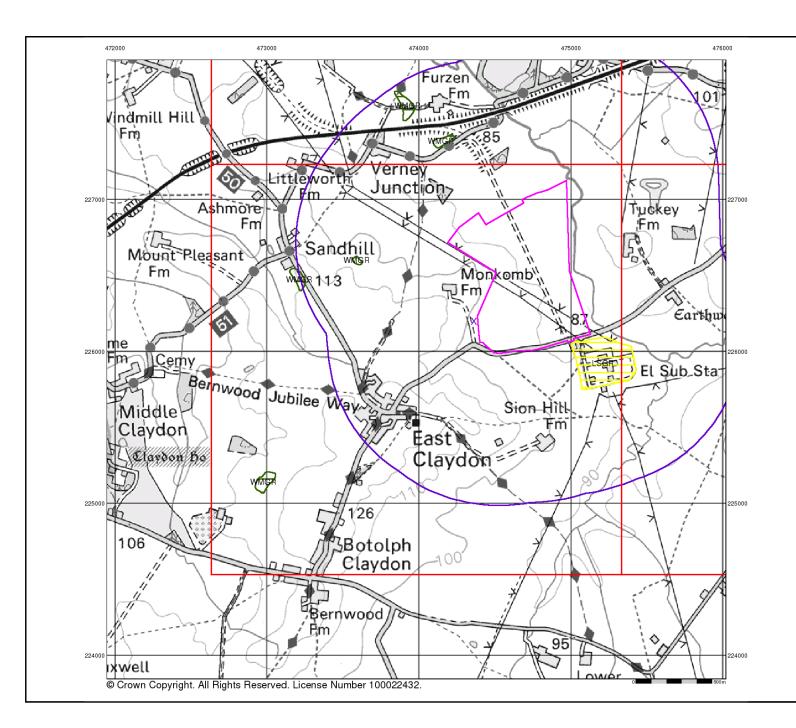
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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

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#### **Artificial Ground and Landslip**

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

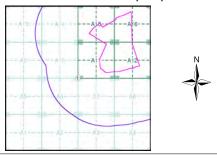
Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

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

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

#### Artificial Ground and Landslip Map - Slice A



#### **Order Details:**

Order Number: 342200018 1 1 Customer Reference: 3358 474360 226200 National Grid Reference: A 61.62

Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

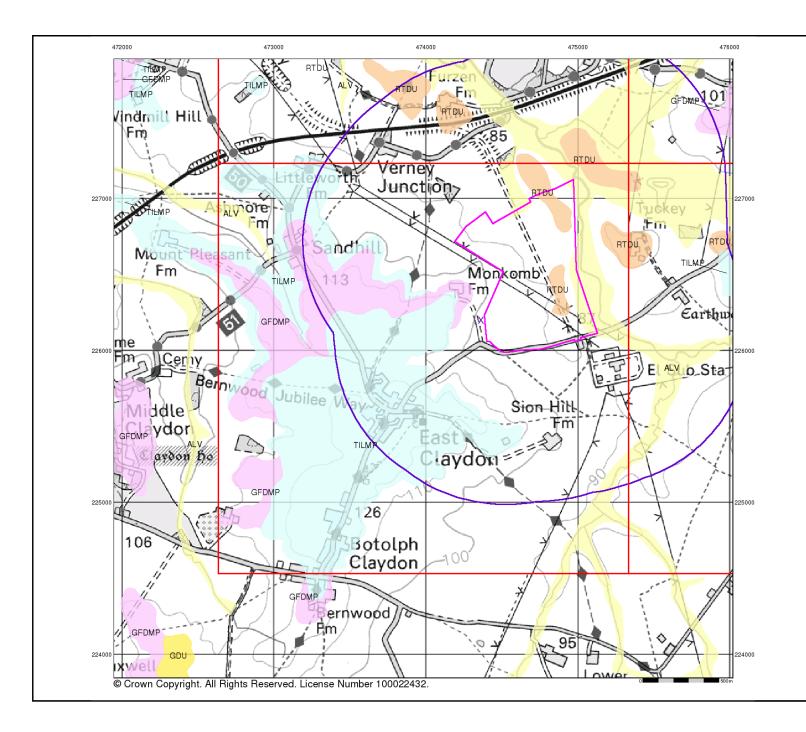
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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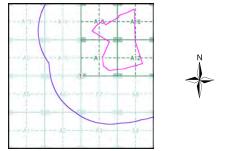
#### **Superficial Geology**

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

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

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

### Superficial Geology Map - Slice A



#### **Order Details:**

Order Number: Customer Reference: 342200018 1 1 3358 474360, 226200 National Grid Reference: A 61.62

Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

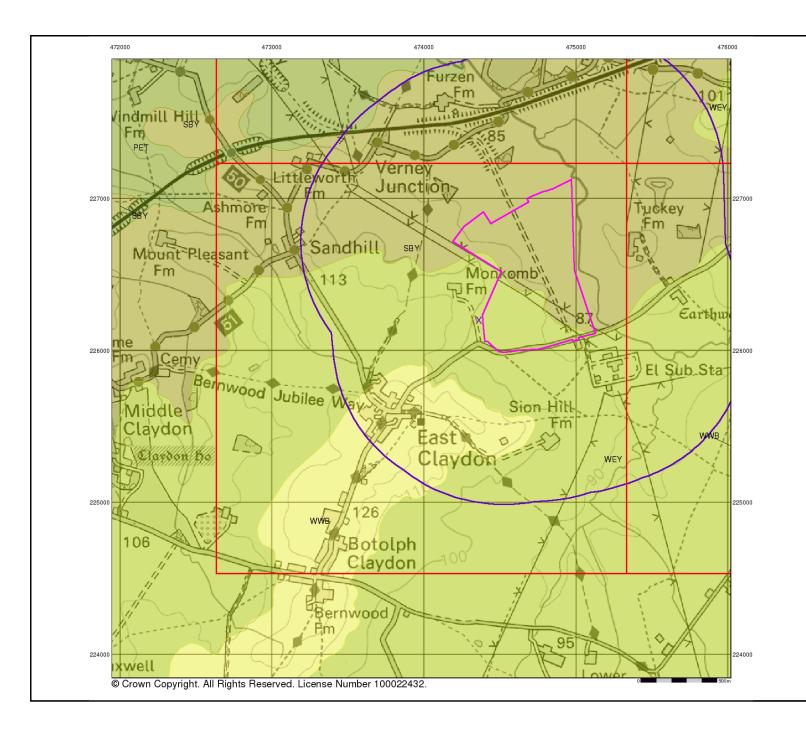
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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#### **Bedrock and Faults**

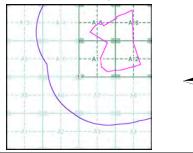
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice A



## **Order Details:**

Order Number: Customer Reference: 342200018 1 1 3358 474360, 226200 National Grid Reference: A 61.62 Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

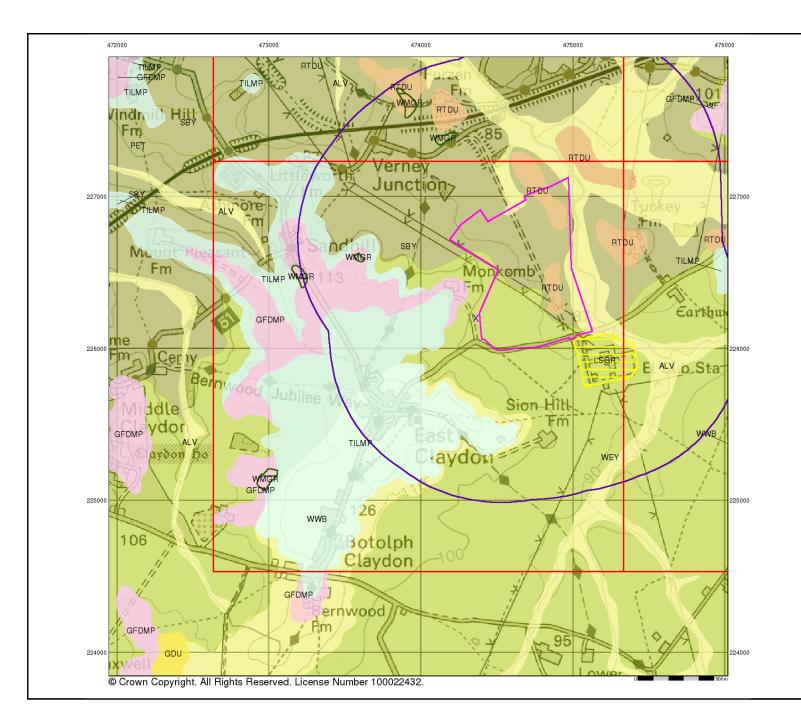
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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#### **Combined Surface Geology**

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

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

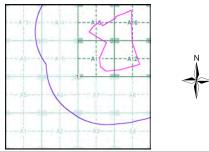
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

### Combined Geology Map - Slice A



## **Order Details:**

Order Number: Customer Reference: 342200018 1 1 3358 474360, 226200 National Grid Reference: A 61.62 Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



0844 844 9952 0844 844 9951

v15.0 10-Apr-2024

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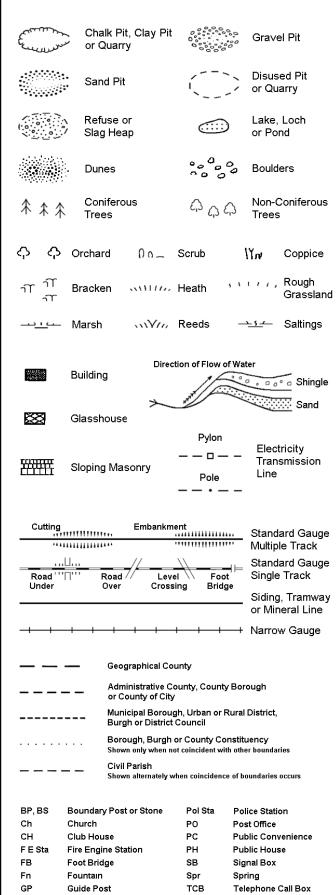
## **Historical Mapping Legends**

## Other Gravel Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Sunken Road Raised Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

Civil Parish Boundary

**Ordnance Survey County Series 1:10,560** 

## Ordnance Survey Plan 1:10,000



Mile Post

TCP

Telephone Call Post

## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
*********	Slopes		Top of cliff
	General detail		Underground detail
	· Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
_•-•	County boundary (England only)	• • • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>۵</sup> **	Area of wooded vegetation	۵ <sup>۵</sup> ۵	Non-coniferous trees
<u>۵</u>	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	Ÿ	Positioned tree
ф ф ф ф	Orchard	* *	Coppice or Osiers
wīti,	Rough Grassland	www.	Heath
On_	Scrub	7 <u>√</u> /۲	Marsh, Salt Marsh or Reeds
6	Water feature	<b>← ←</b>	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
-••-	Telephone line (where shown)	<b></b>	Electricity transmission line (with poles)
← BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)	$\boxtimes$	Pylon, flare stac or lighting tower
•‡•	Site of (antiquity)		Glasshouse
	General Building		Important

General Building

Building

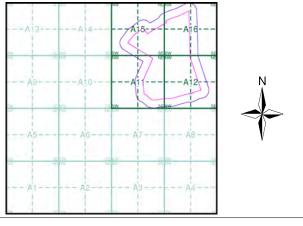
## Envirocheck®

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## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Buckinghamshire	1:10,560	1883 - 1885	2
Oxfordshire	1:10,560	1885	3
Buckinghamshire	1:10,560	1900	4
Buckinghamshire	1:10,560	1900	5
Buckinghamshire	1:10,560	1923 - 1926	6
Historical Aerial Photography	1:10,560	1947	7
Buckinghamshire	1:10,560	1952	8
Ordnance Survey Plan	1:10,000	1958 - 1959	9
Ordnance Survey Plan	1:10,000	1966	10
Ordnance Survey Plan	1:10,000	1984 - 1985	11
10K Raster Mapping	1:10,000	1999	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2024	14

## **Historical Map - Slice A**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 474360, 226200 Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

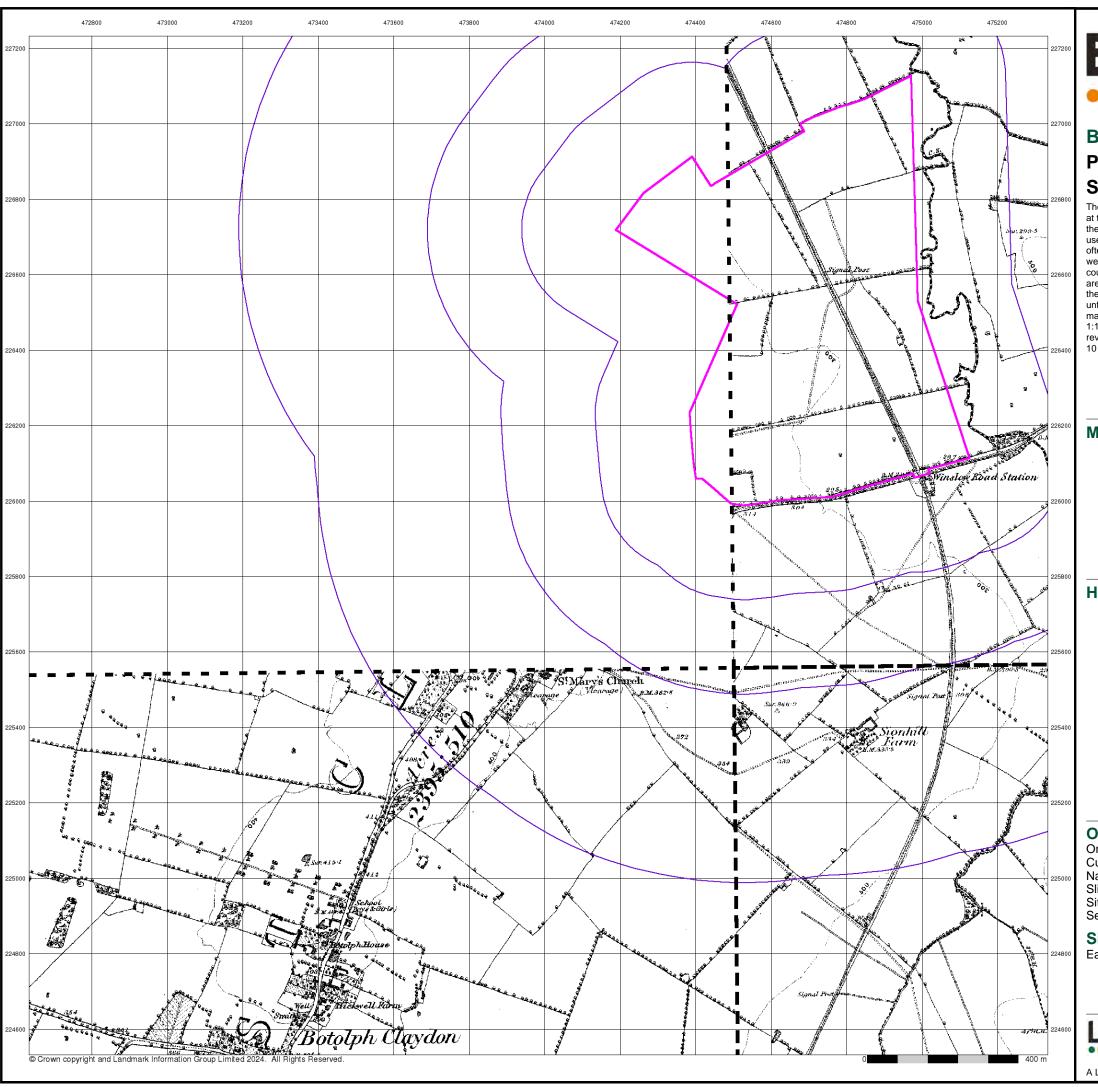
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 1 of 14



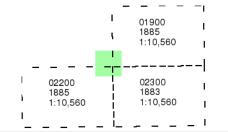
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## Buckinghamshire

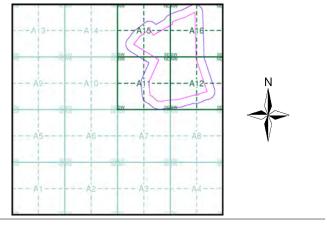
## Published 1883 - 1885 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358

National Grid Reference: 474360, 226200

Slice: A

Site Area (Ha): 61.62 Search Buffer (m): 1000

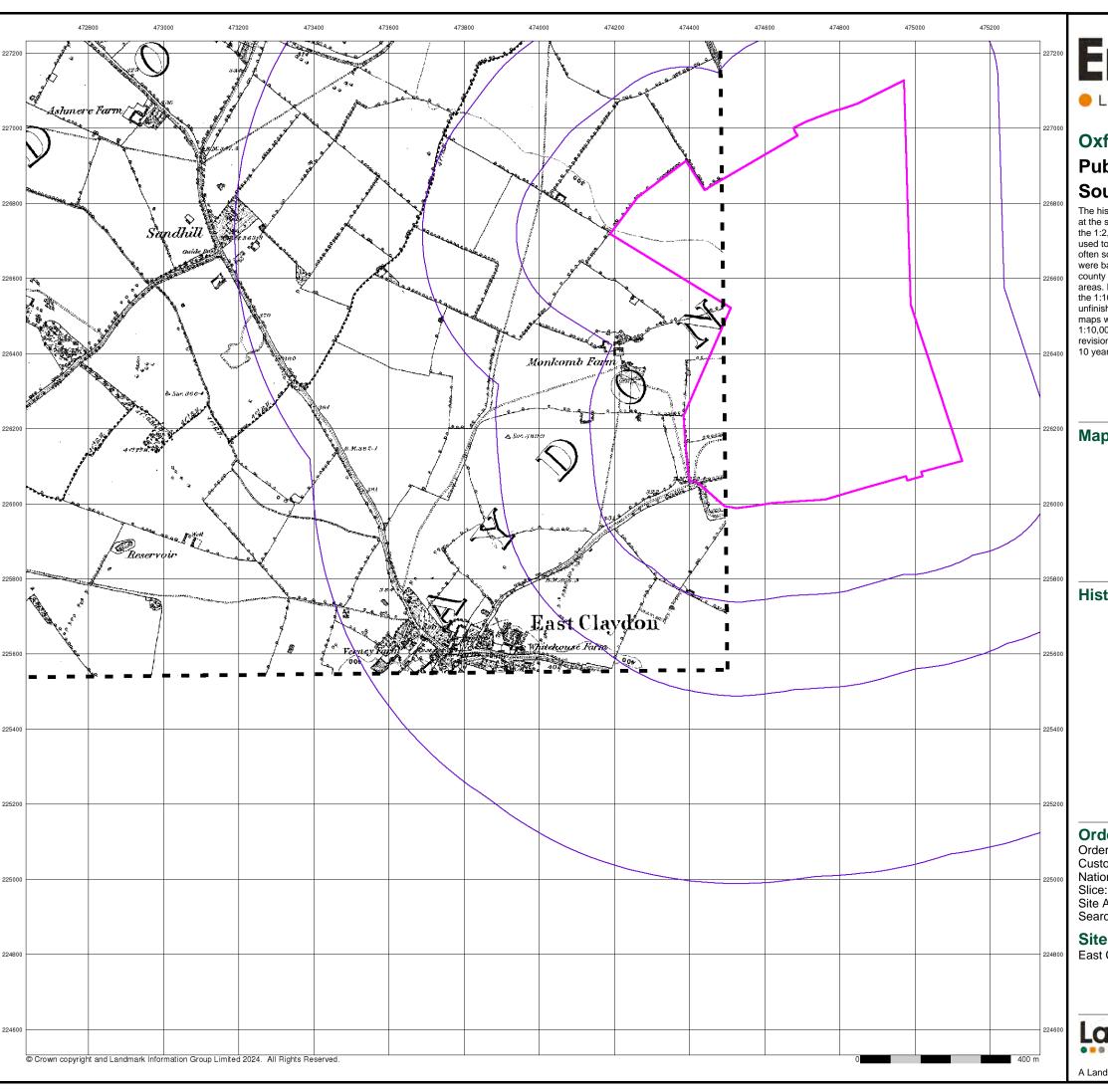
## **Site Details**

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 2 of 14



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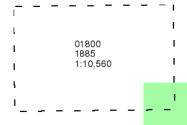
## **Oxfordshire**

## Published 1885

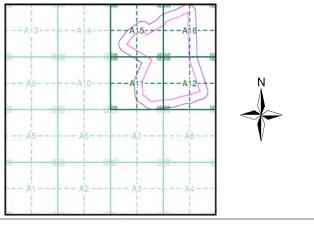
## Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358

National Grid Reference: 474360, 226200 Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

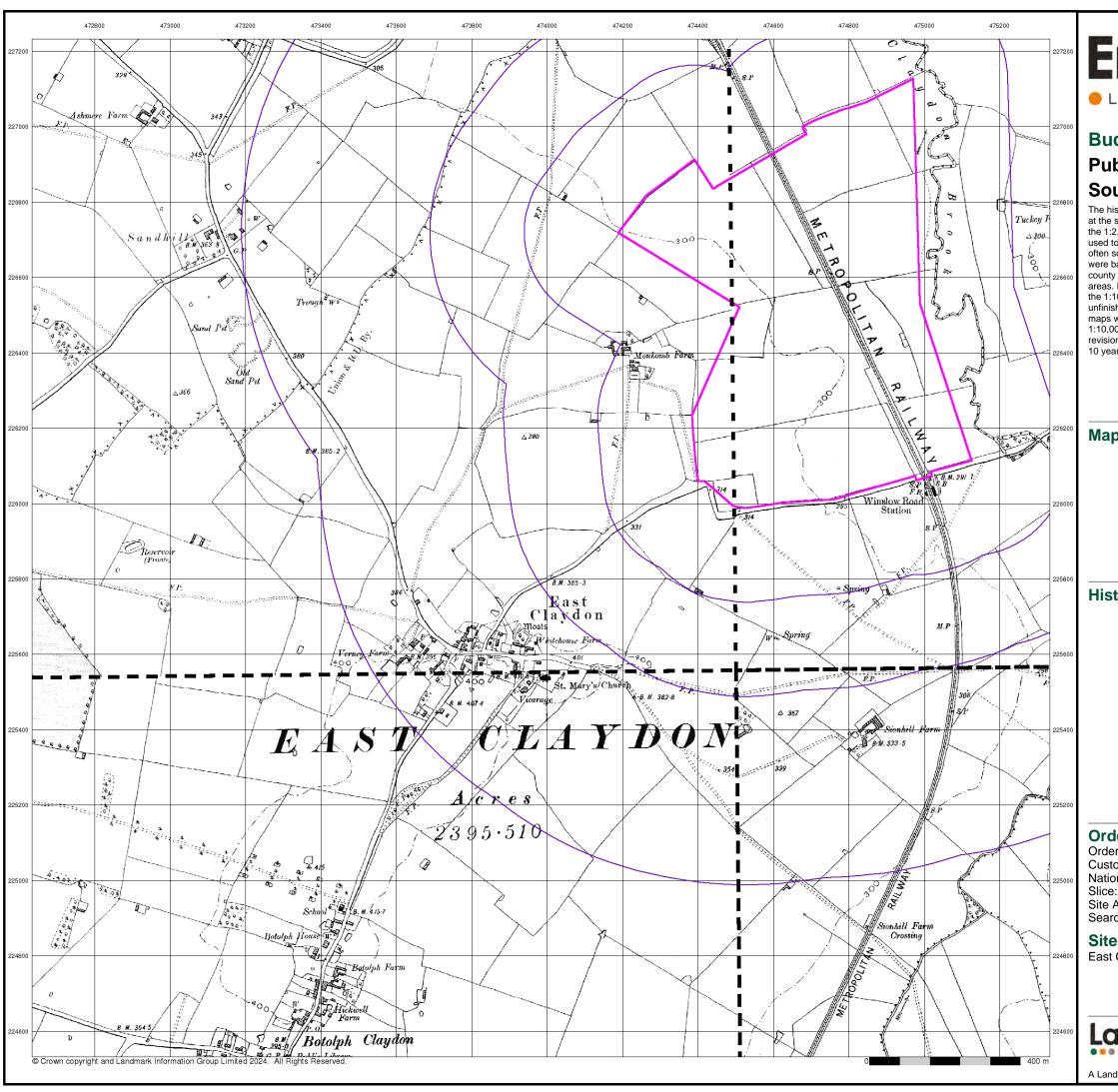
## **Site Details**

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## Buckinghamshire

## Published 1900

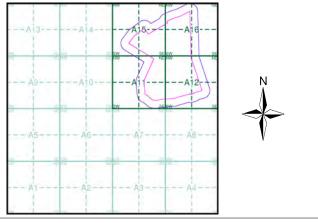
## Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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

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1	018SE 1900	019SW 1900	1
1	1:10,560	1:10,560	1
'			- –1
1	022NE	023NW	
1	1900 1:10,560	1900 1:10,560	i
1	,		i

## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358

National Grid Reference: 474360, 226200

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Site Area (Ha): 61.62 Search Buffer (m): 1000

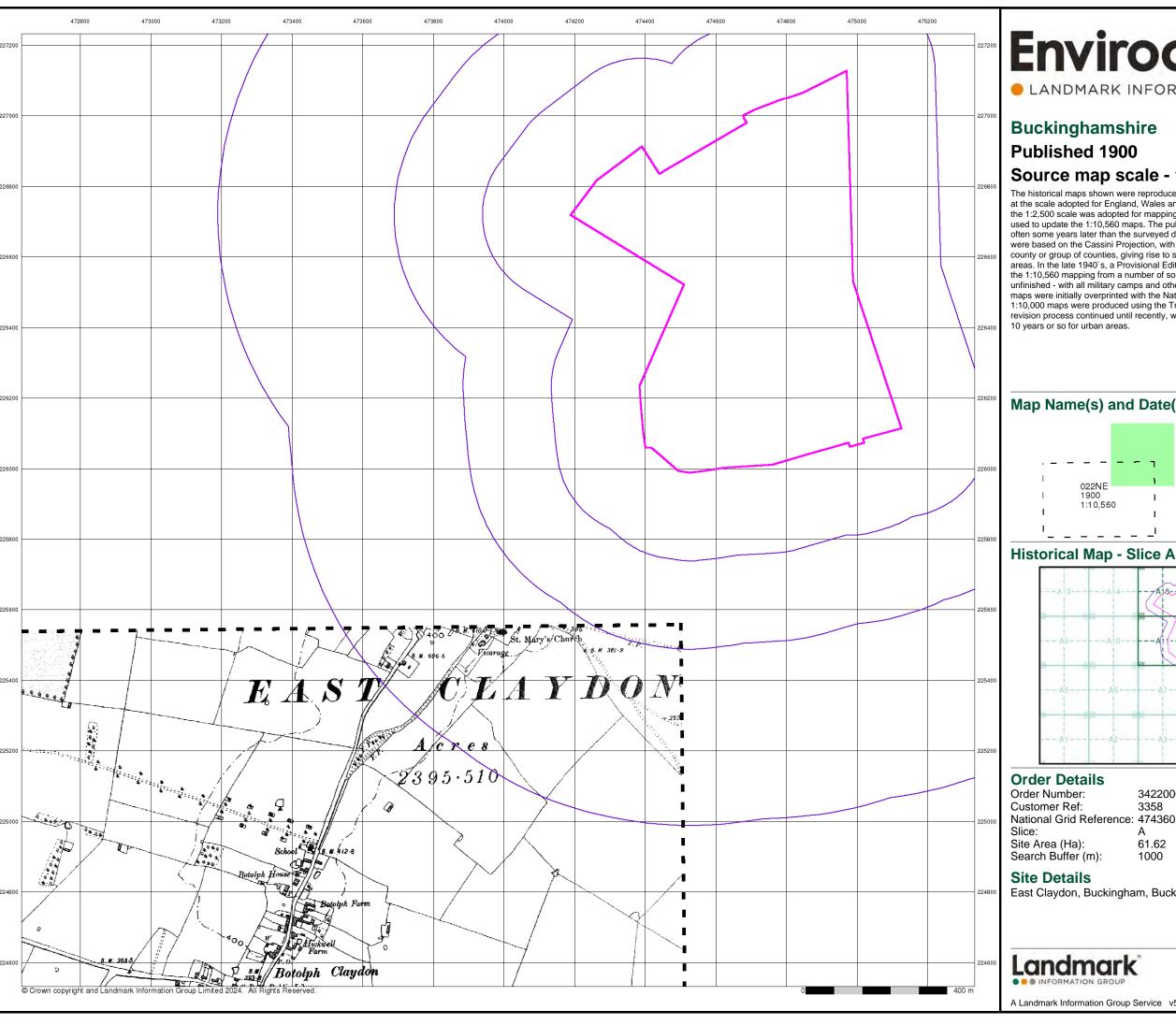
## **Site Details**

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Fax: 0844 844 9951
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A Landmark Information Group Service v50.0 10-Apr-2024 Page 4 of 14

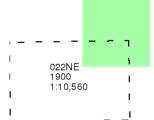


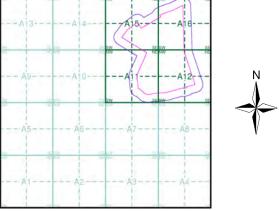
LANDMARK INFORMATION GROUP\*

Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every

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





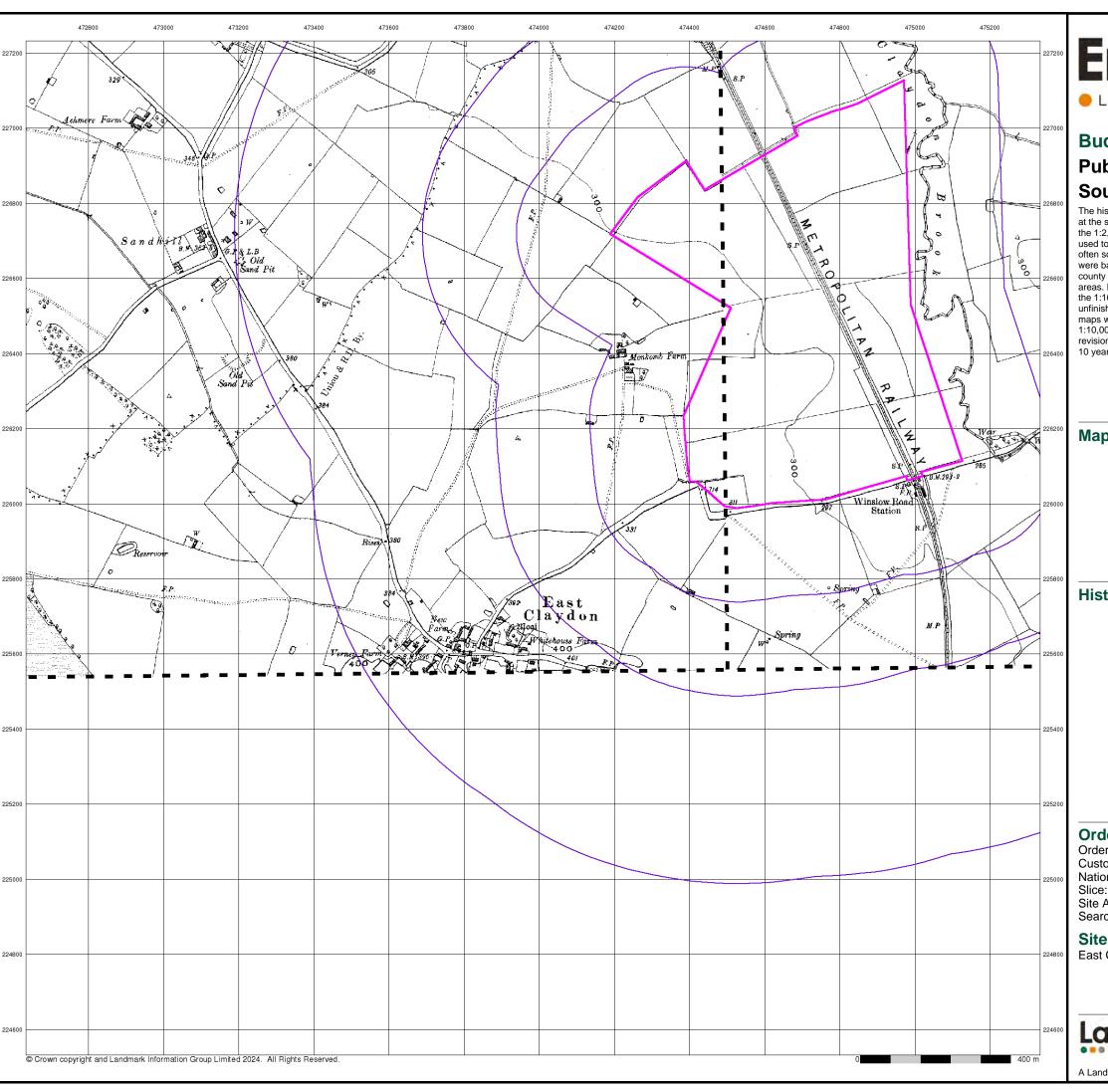
342200018\_1\_1

National Grid Reference: 474360, 226200

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 5 of 14



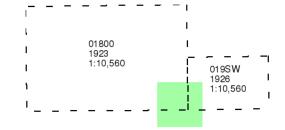
LANDMARK INFORMATION GROUP\*

## Buckinghamshire

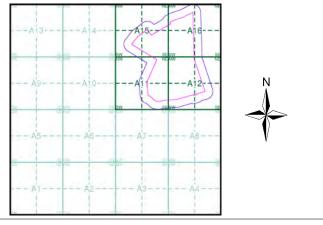
## Published 1923 - 1926 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358 National Grid Reference: 474360, 226200

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Site Area (Ha): 61.62 Search Buffer (m): 1000

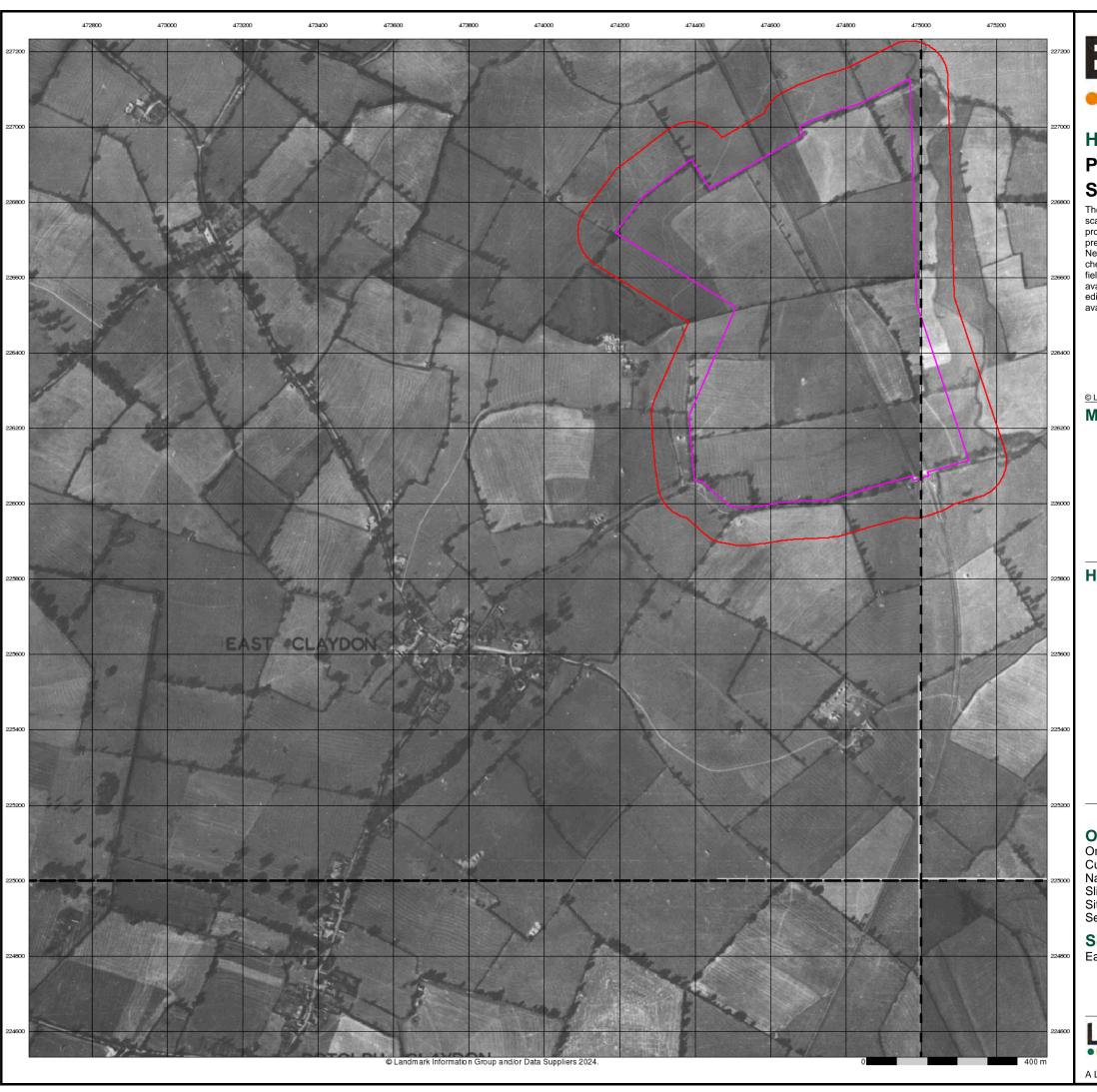
## **Site Details**

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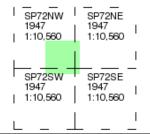
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## Historical Aerial Photography Published 1947 Source map scale - 1:10,560

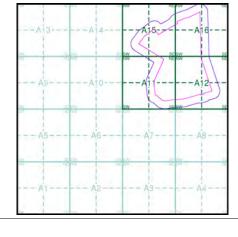
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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 - Slice A**





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## **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358

National Grid Reference: 474360, 226200

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Site Area (Ha): 61.62 Search Buffer (m): 1000

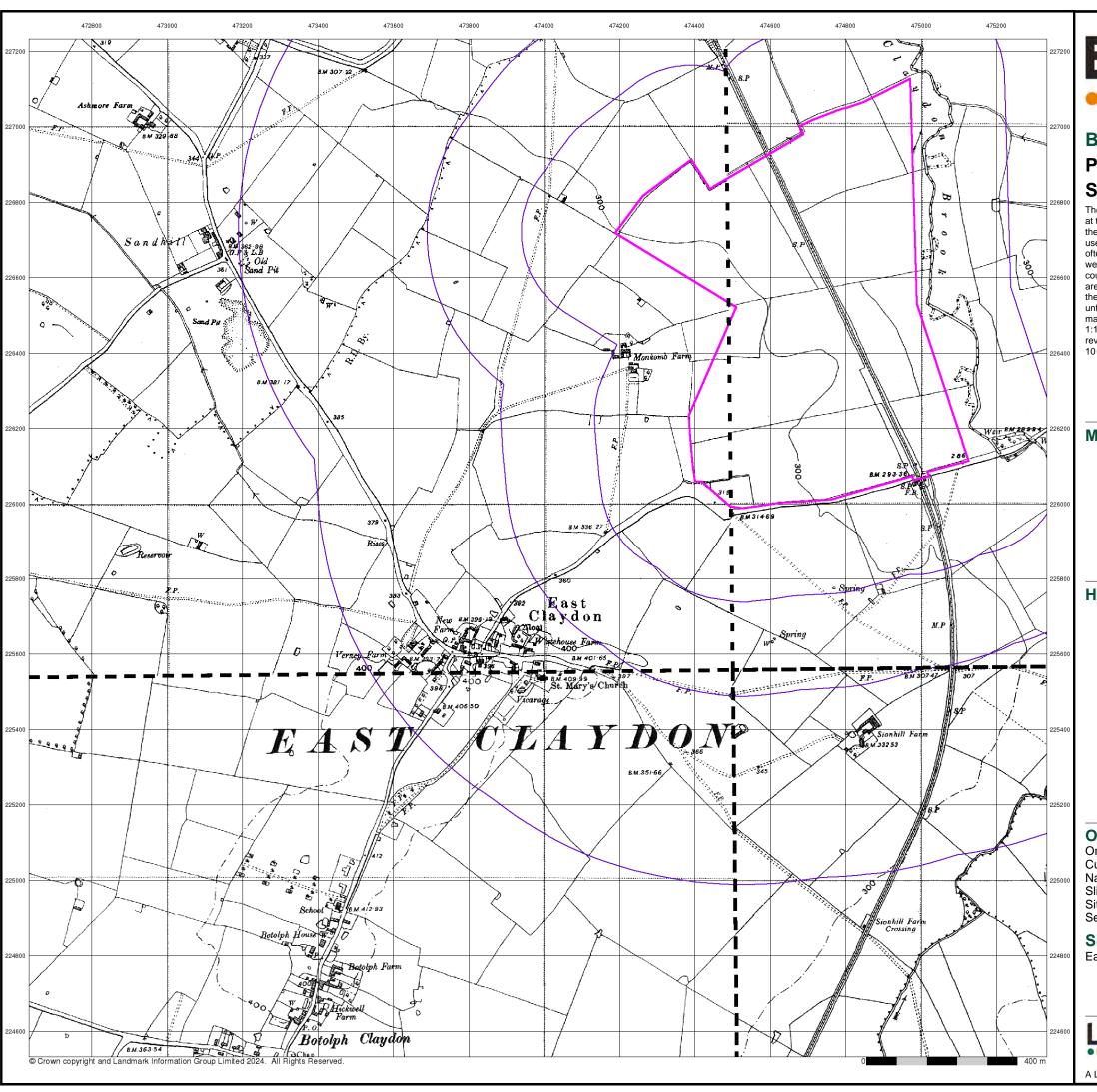
## **Site Details**

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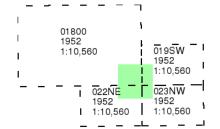
## **Buckinghamshire**

## **Published 1952**

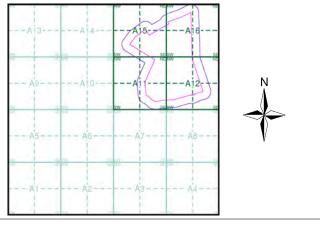
## Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 474360, 226200

Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

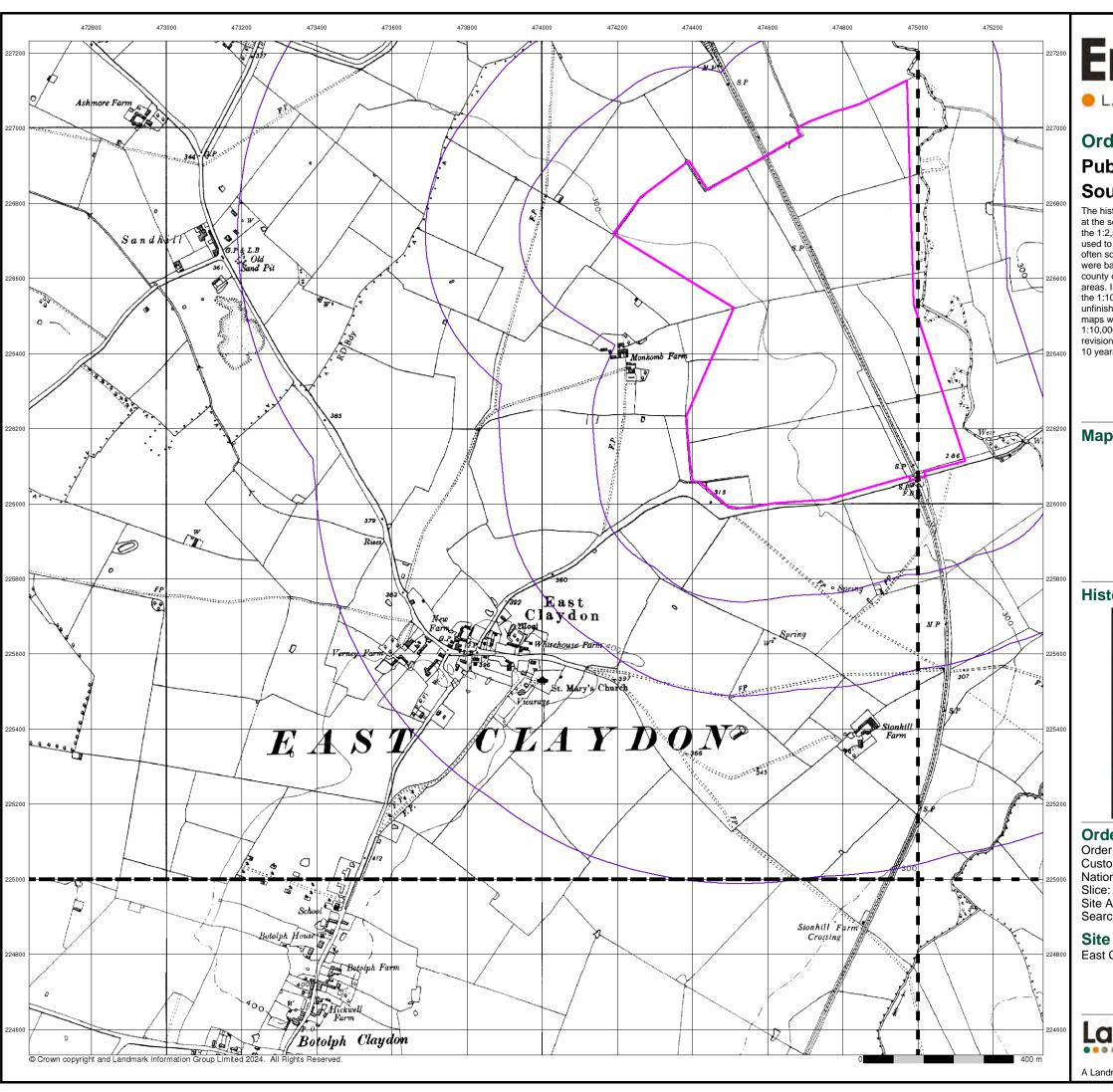
## **Site Details**

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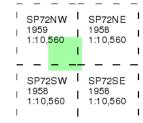
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## Ordnance Survey Plan Published 1958 - 1959

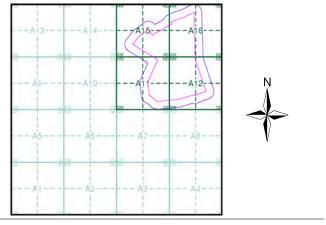
Source map scale - 1:10,000

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



## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1

Customer Ref: 3358 National Grid Reference: 474360, 226200

National Grid Reference. 474360, 226200

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Site Area (Ha): 61.62 Search Buffer (m): 1000

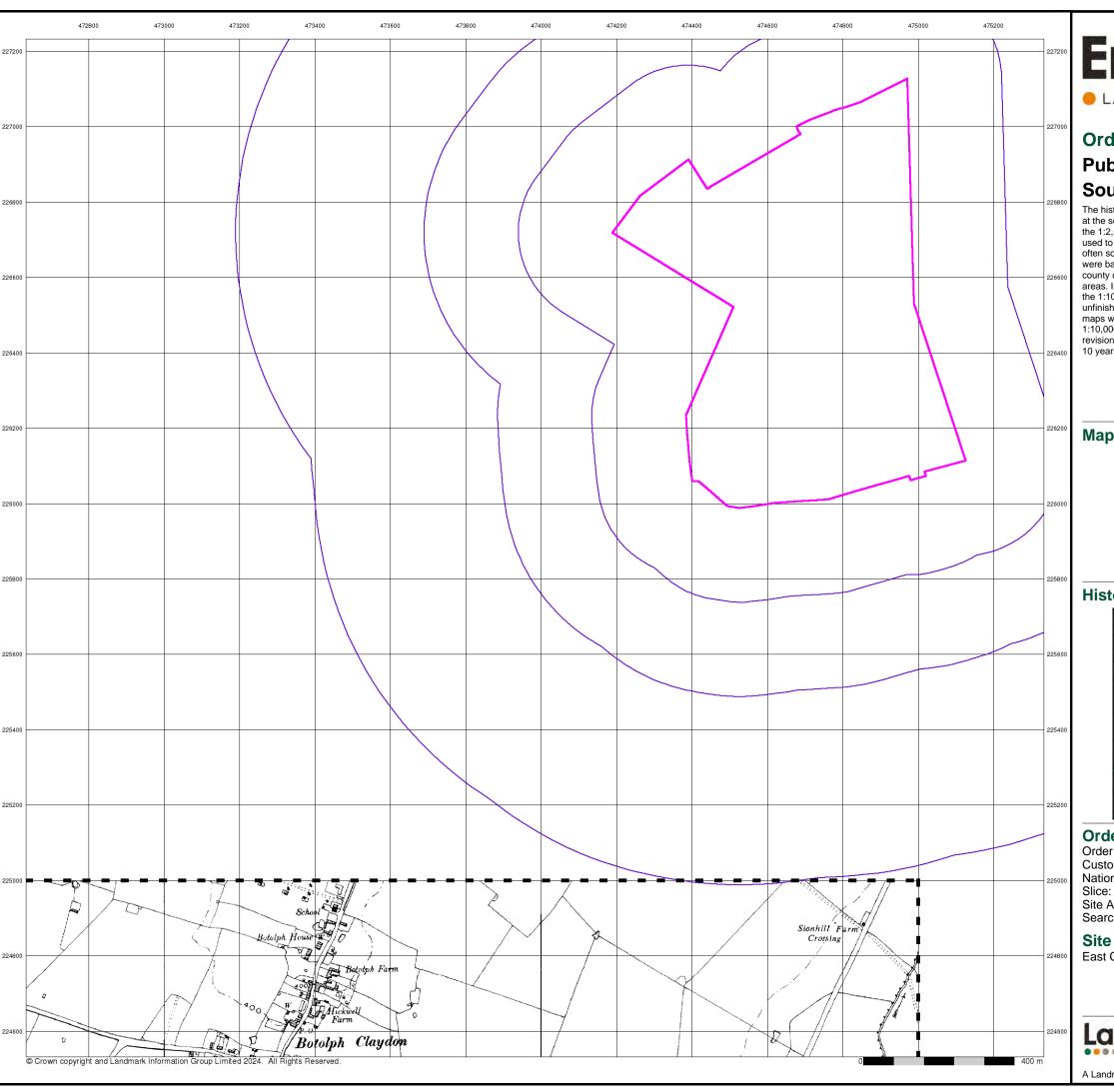
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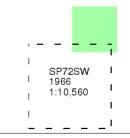
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## Ordnance Survey Plan Published 1966

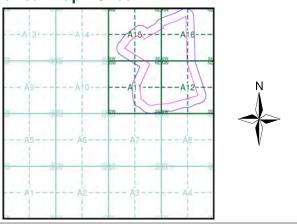
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358
National Grid Reference: 474360, 226200

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Site Area (Ha): 61.62 Search Buffer (m): 1000

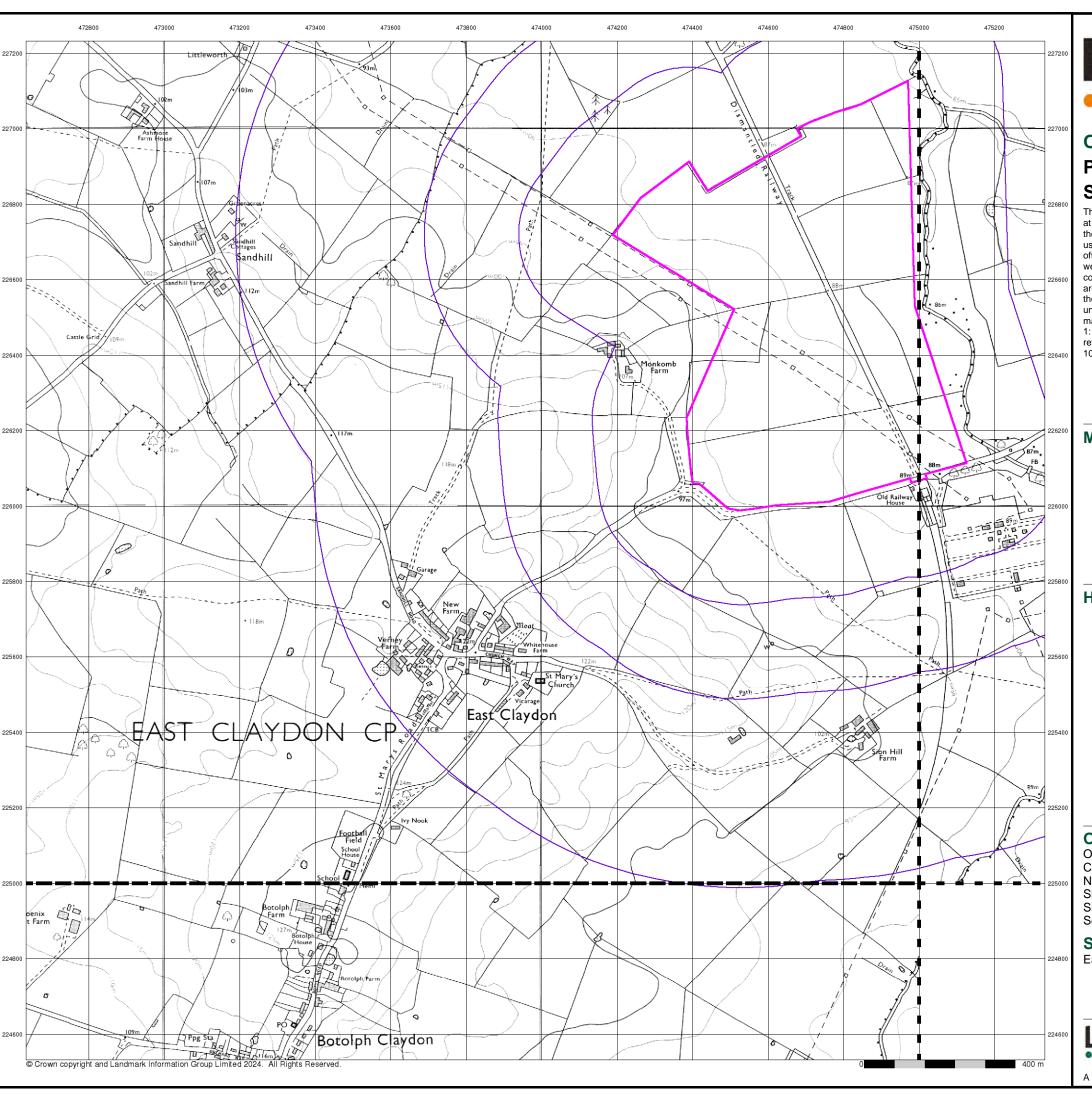
## **Site Details**

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 10 of 14

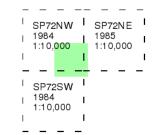


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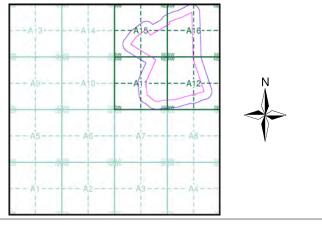
# Ordnance Survey Plan Published 1984 - 1985 Source map scale - 1:10,000

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice A**



## **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358 National Grid Reference: 474360, 226200

Α ....

Site Area (Ha): 61.62 Search Buffer (m): 1000

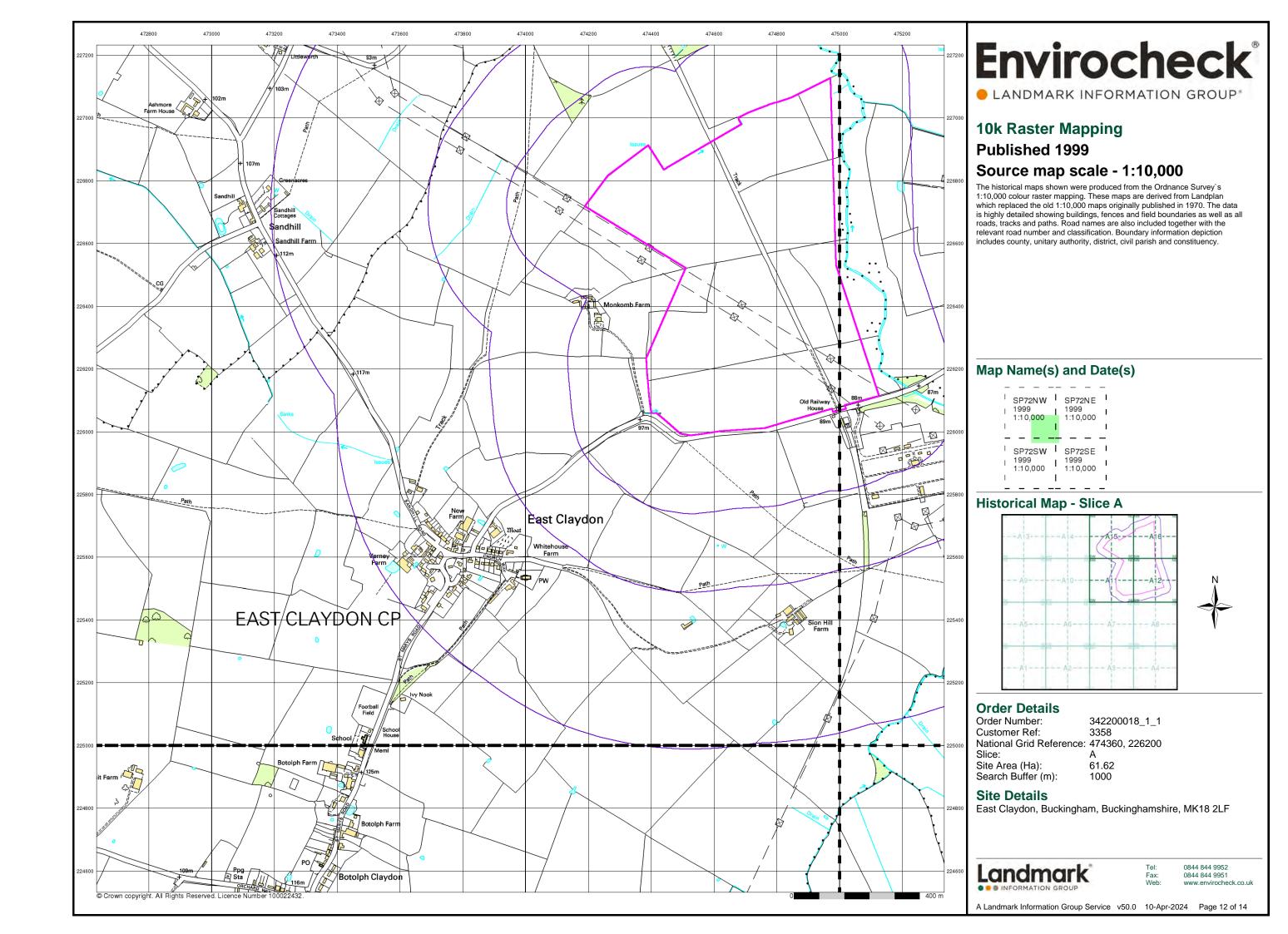
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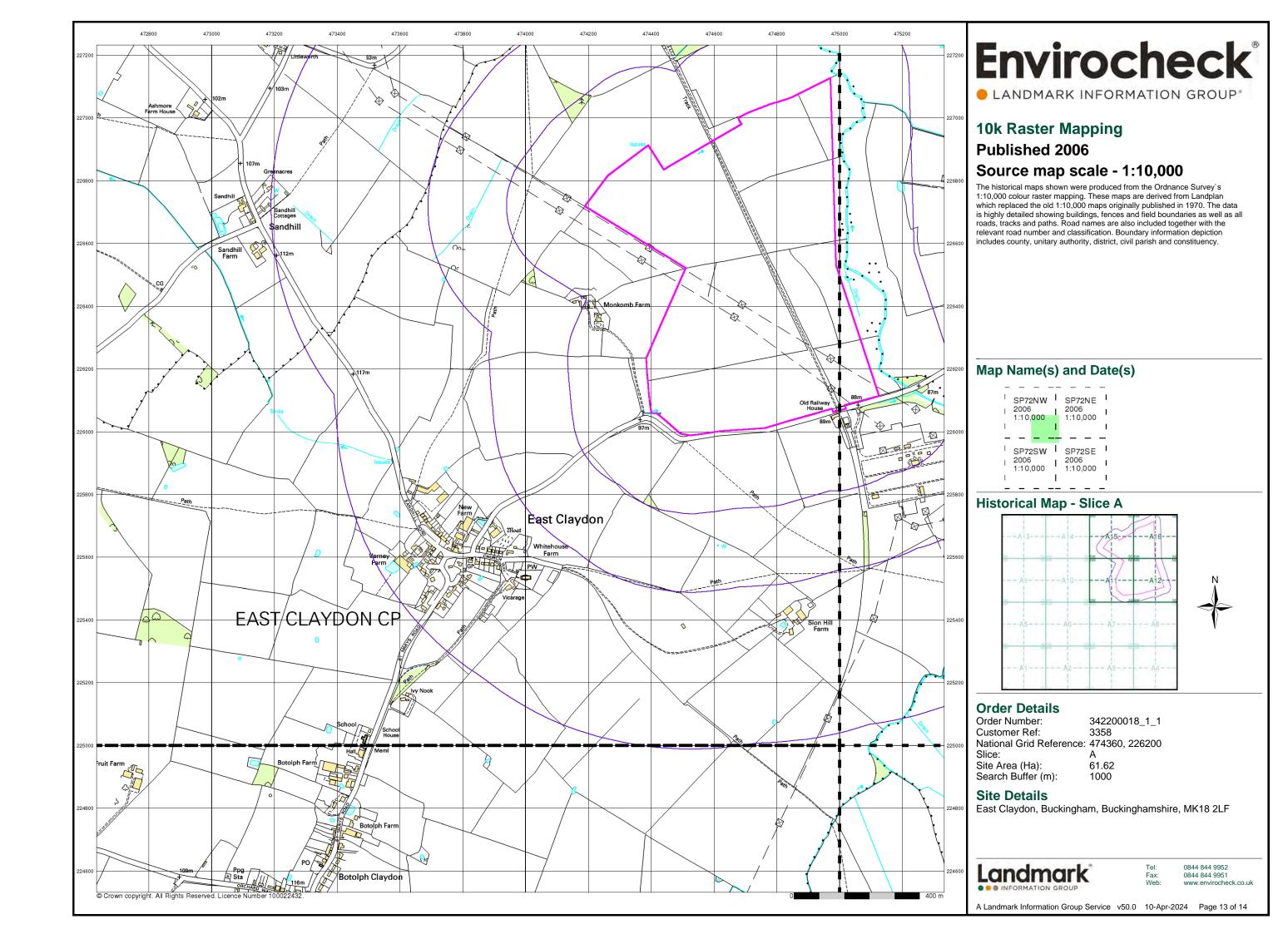
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

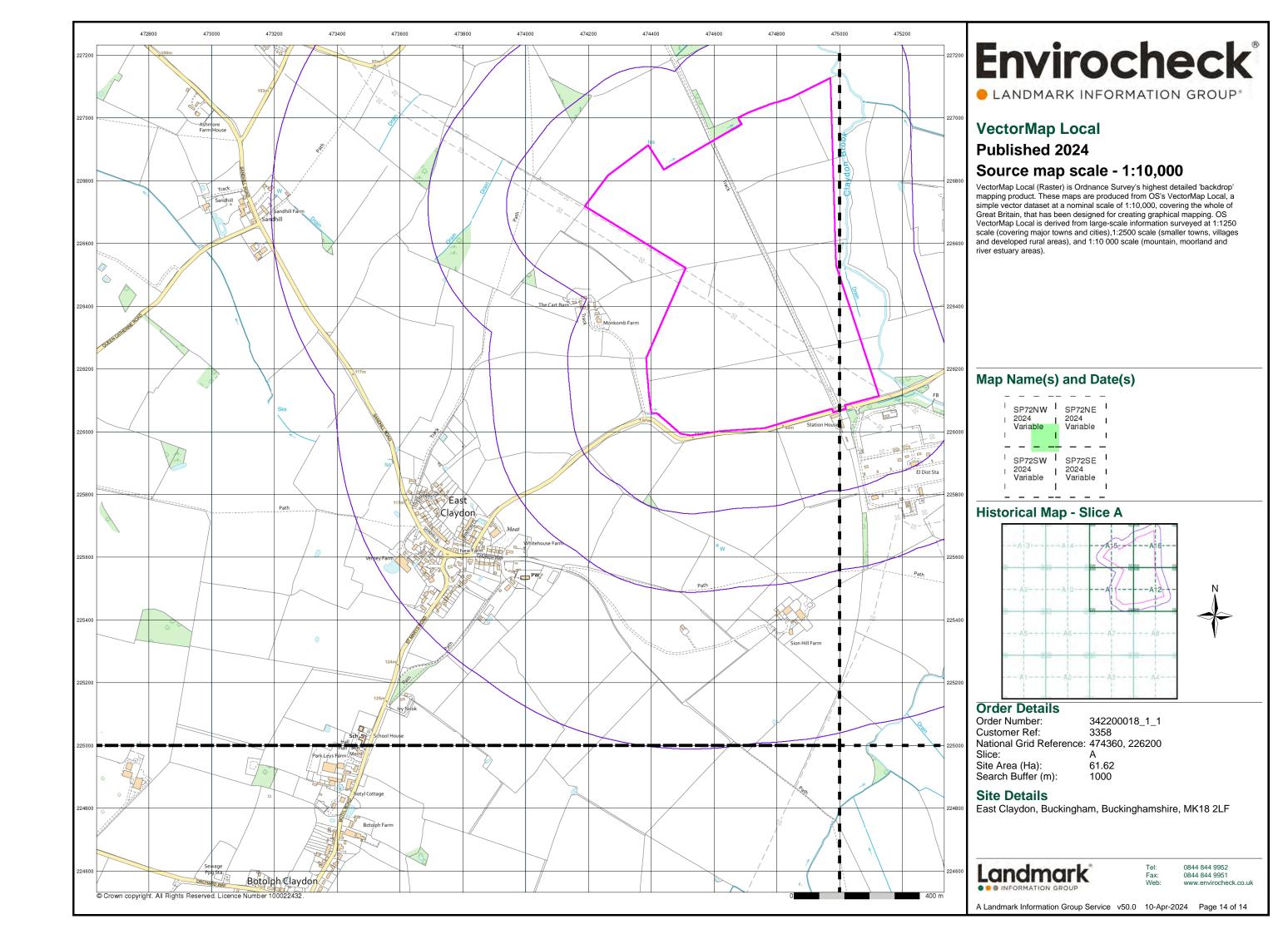


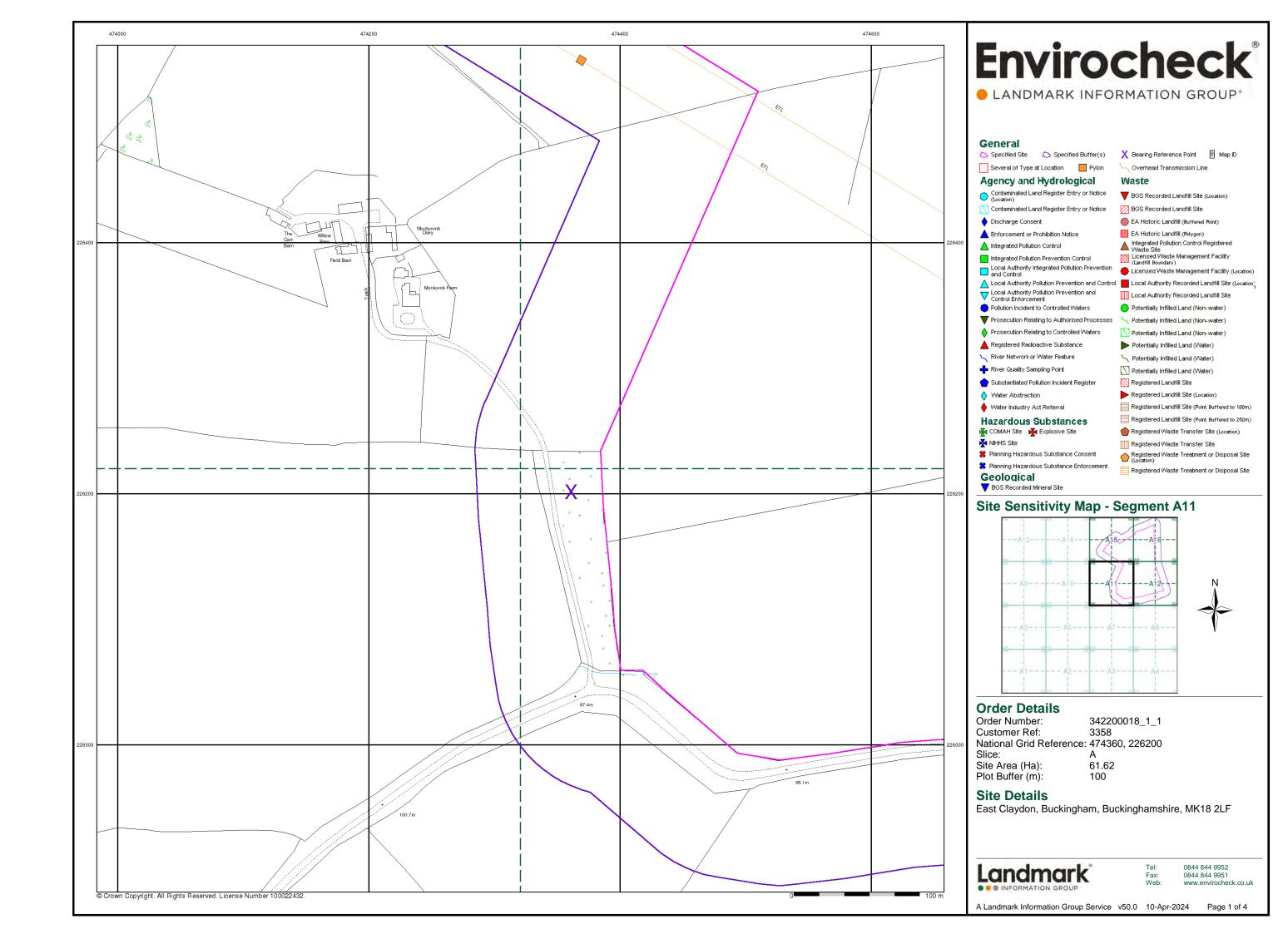
Tel: 0844 844 9952 Fax: 0844 844 9951 Web: www.envirocheck.

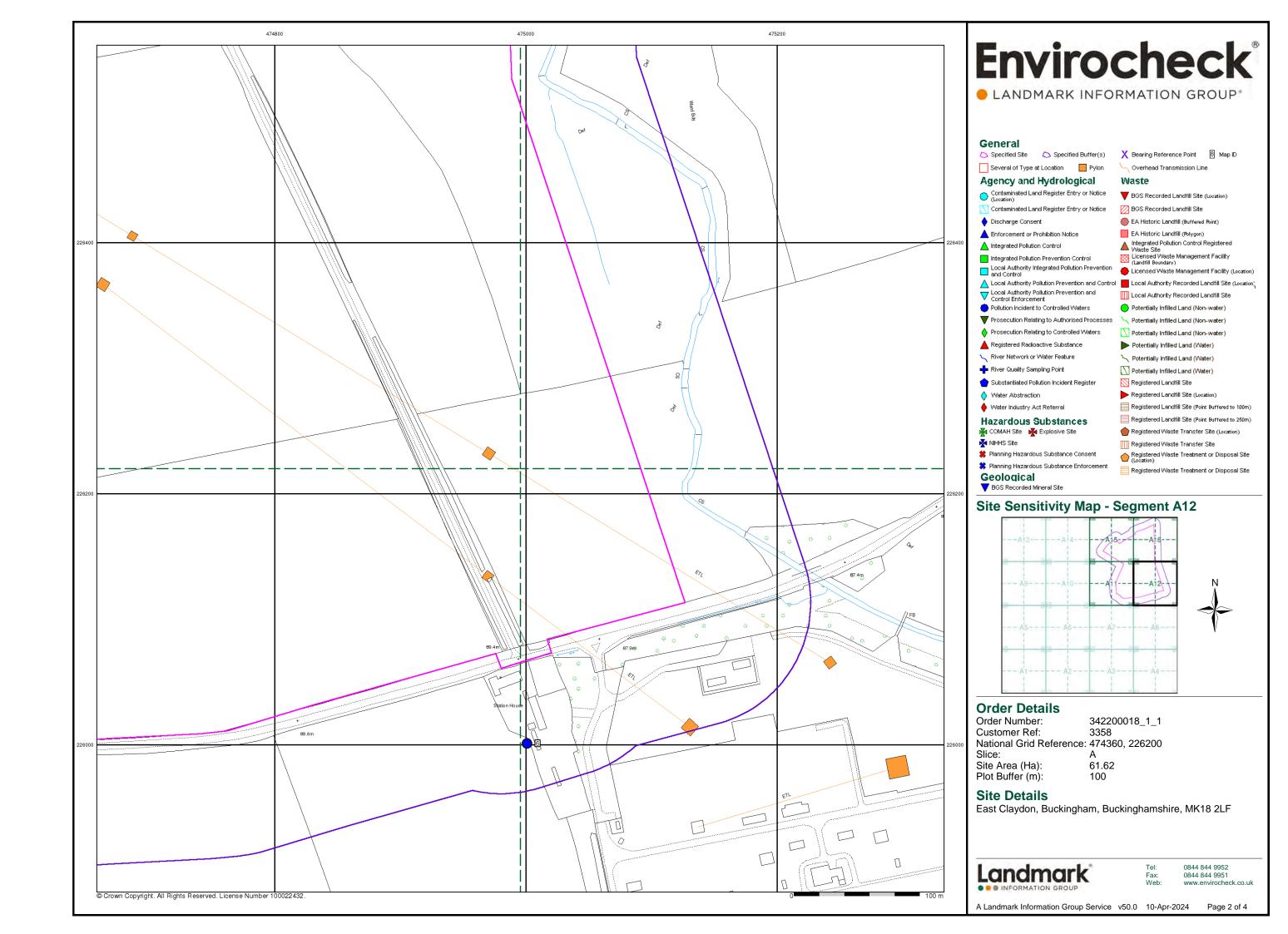
A Landmark Information Group Service v50.0 10-Apr-2024 Page 11 of 14

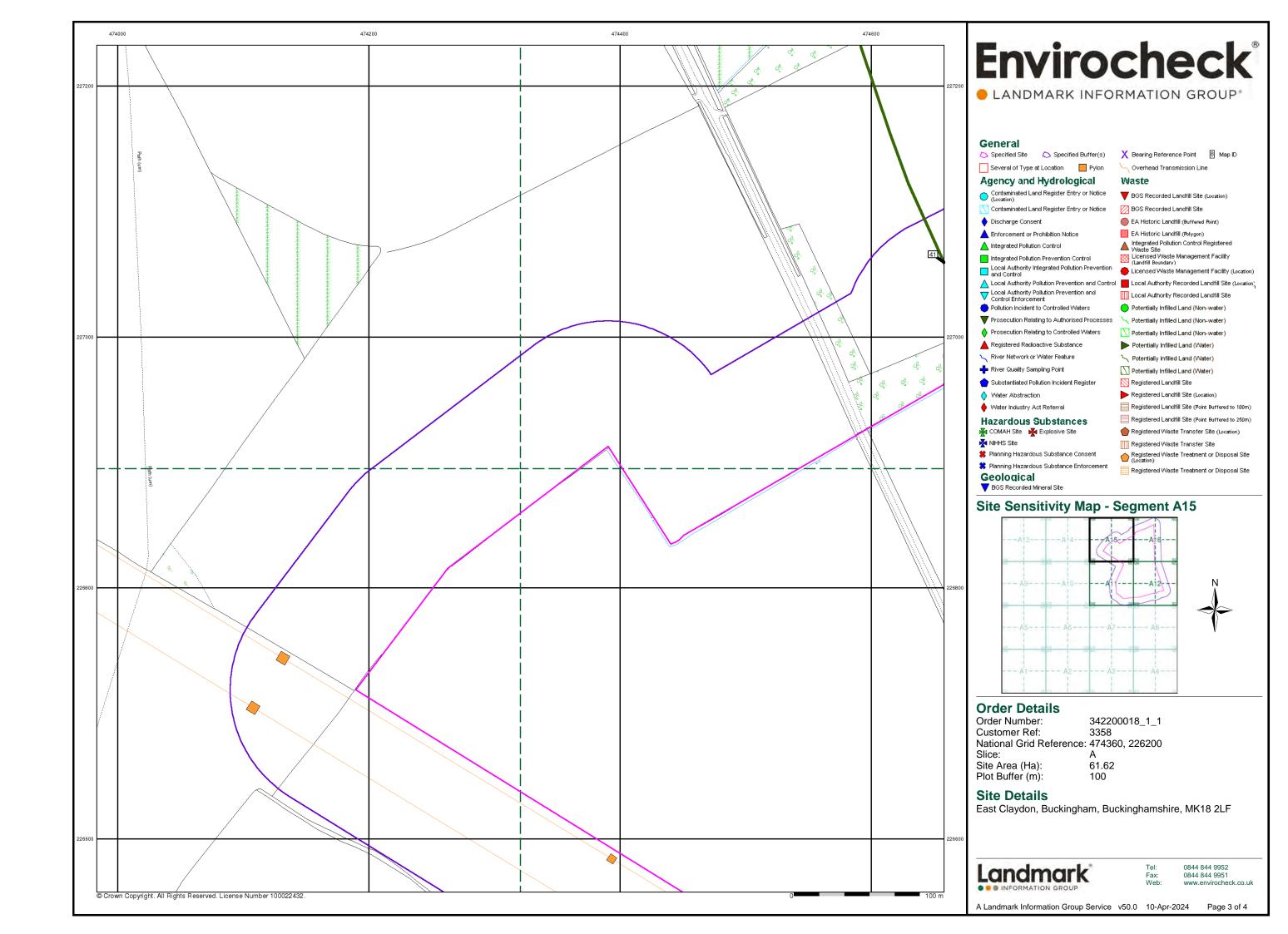


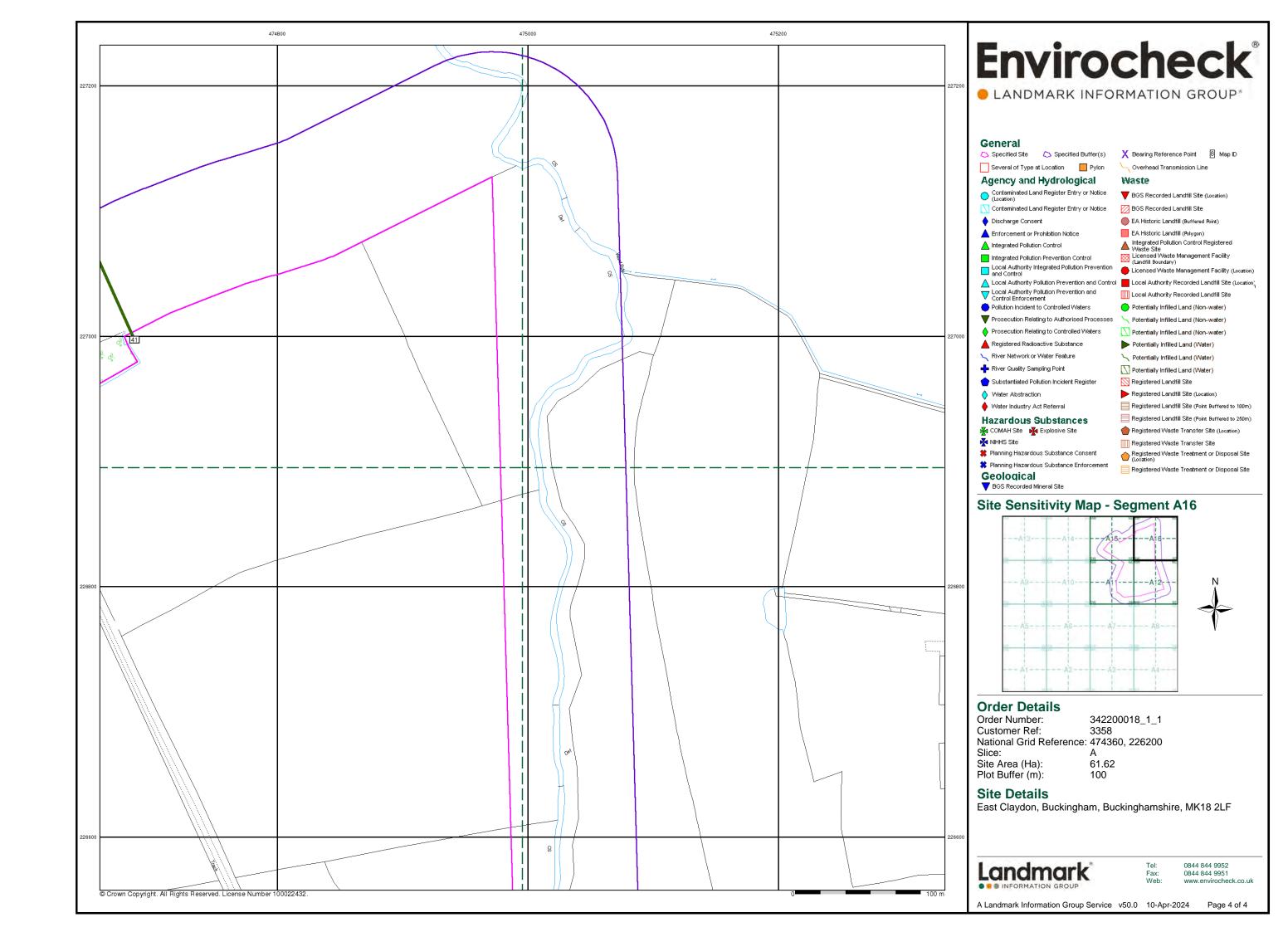


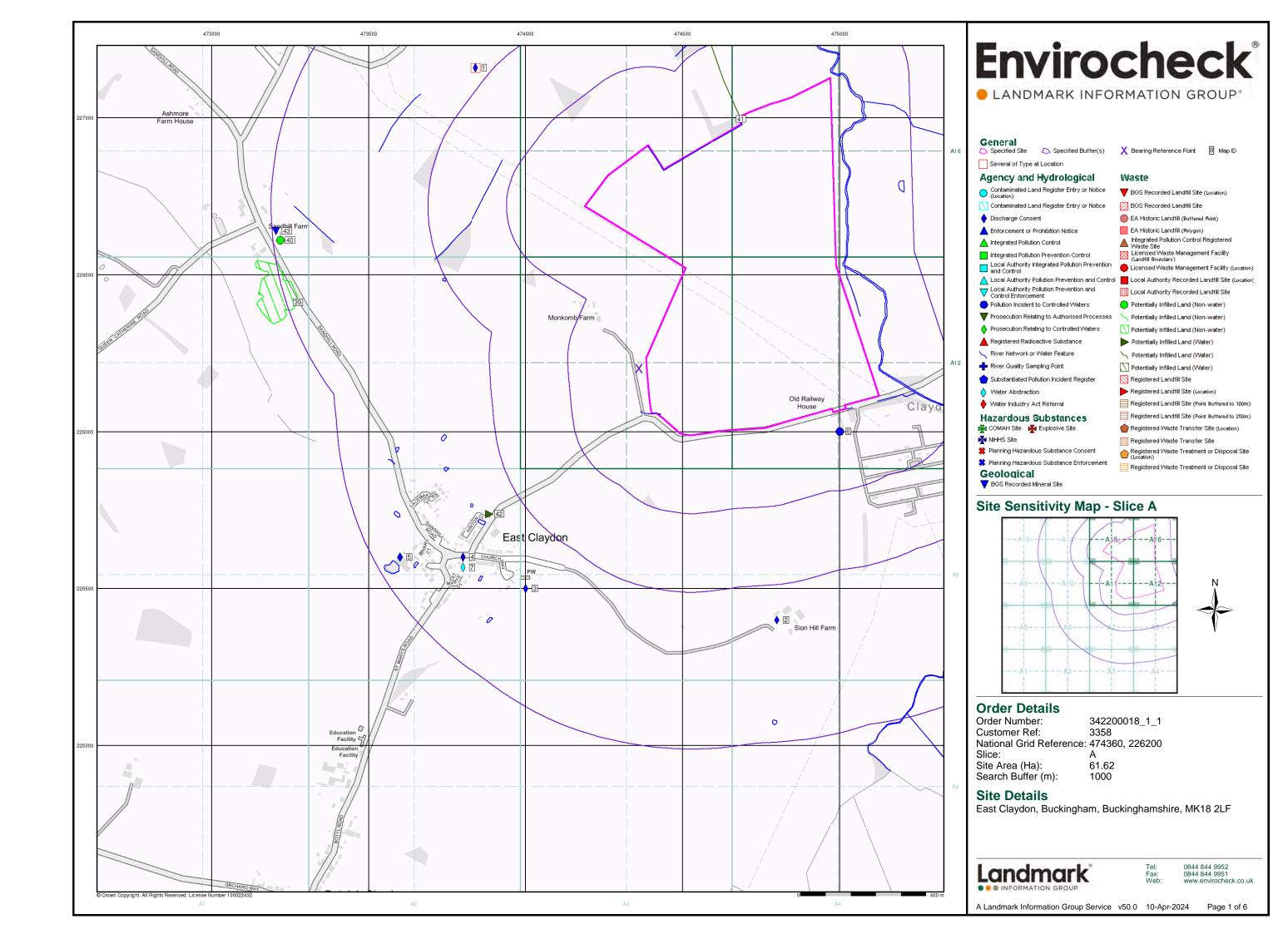


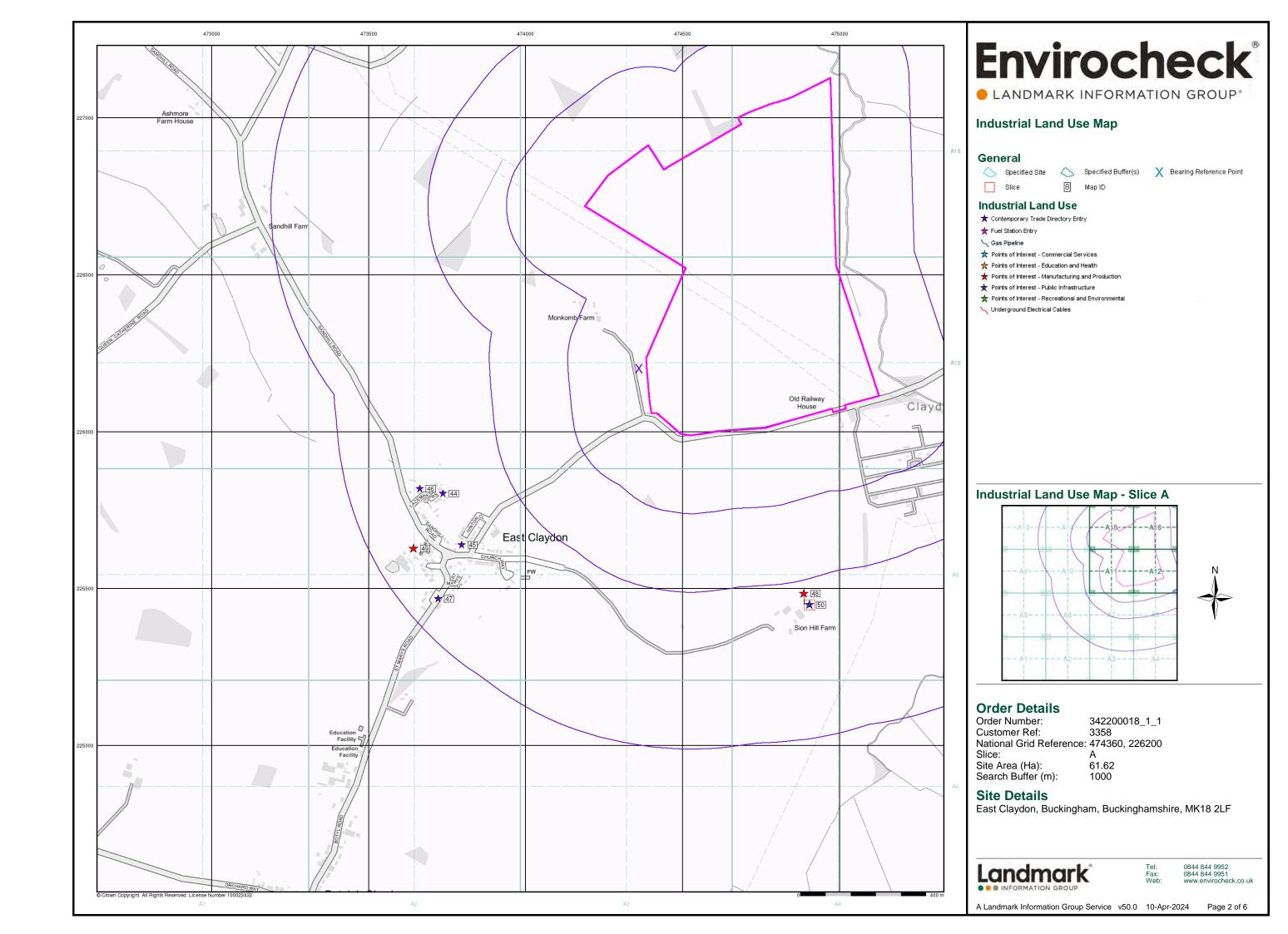


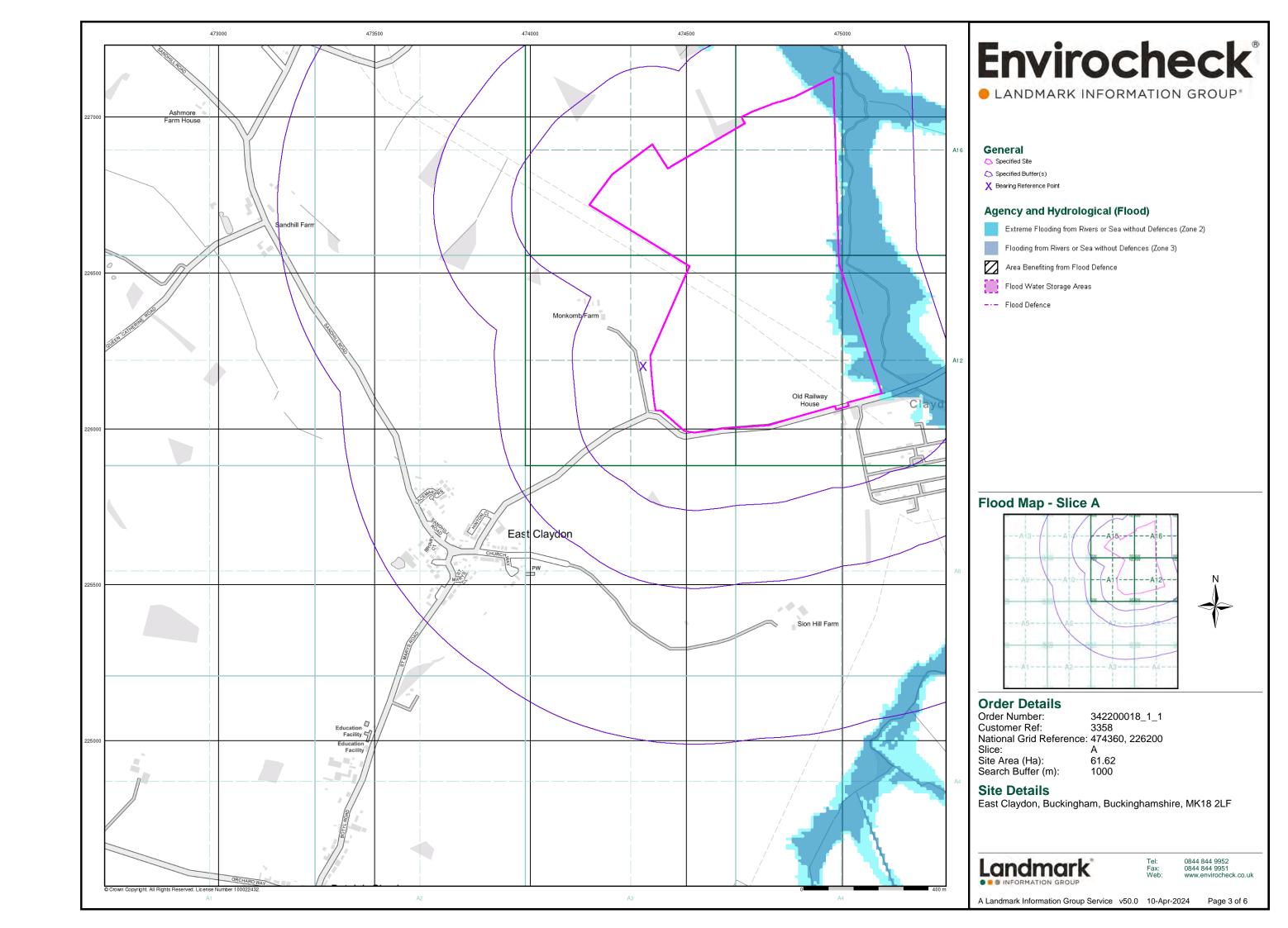


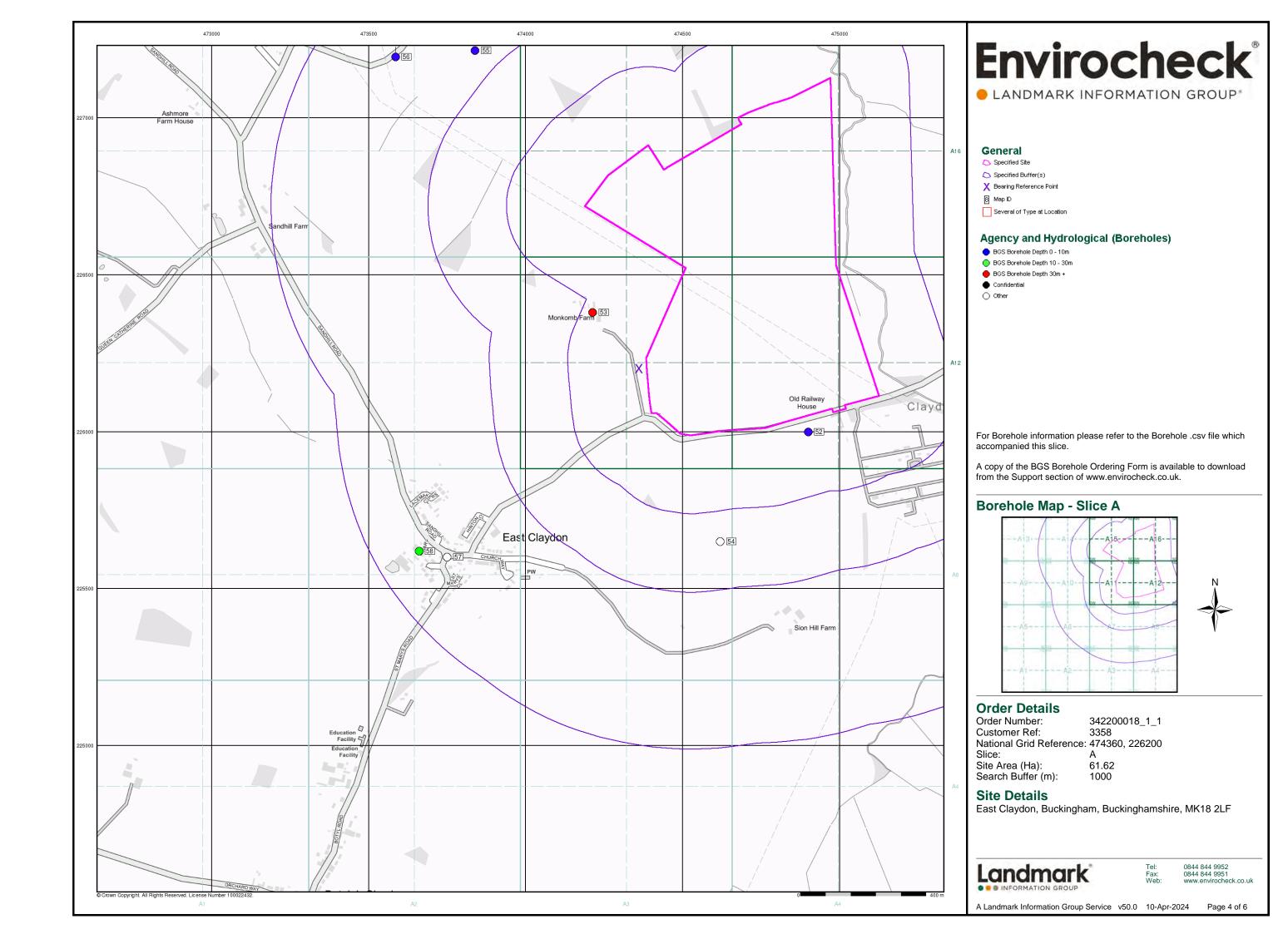


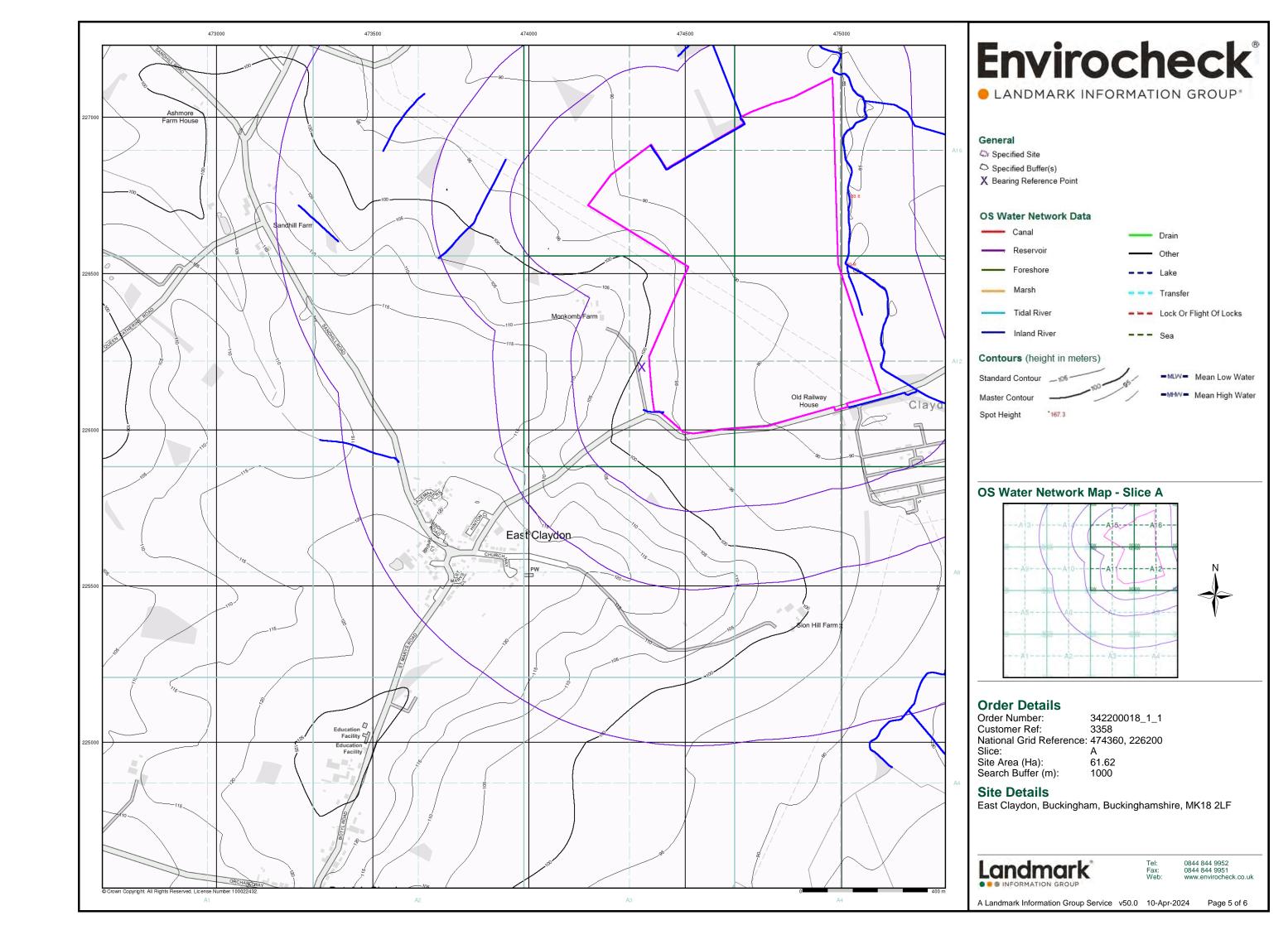


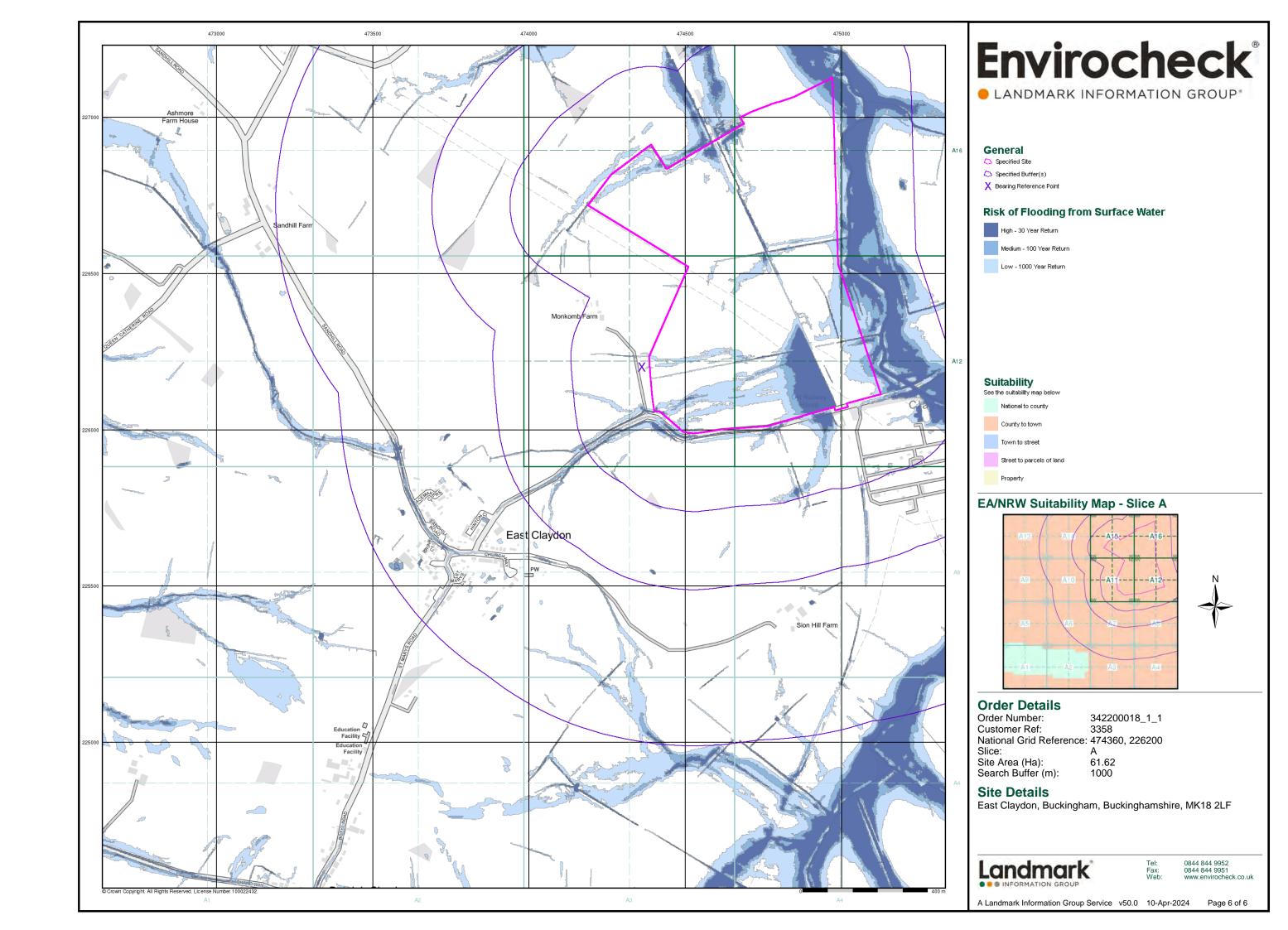


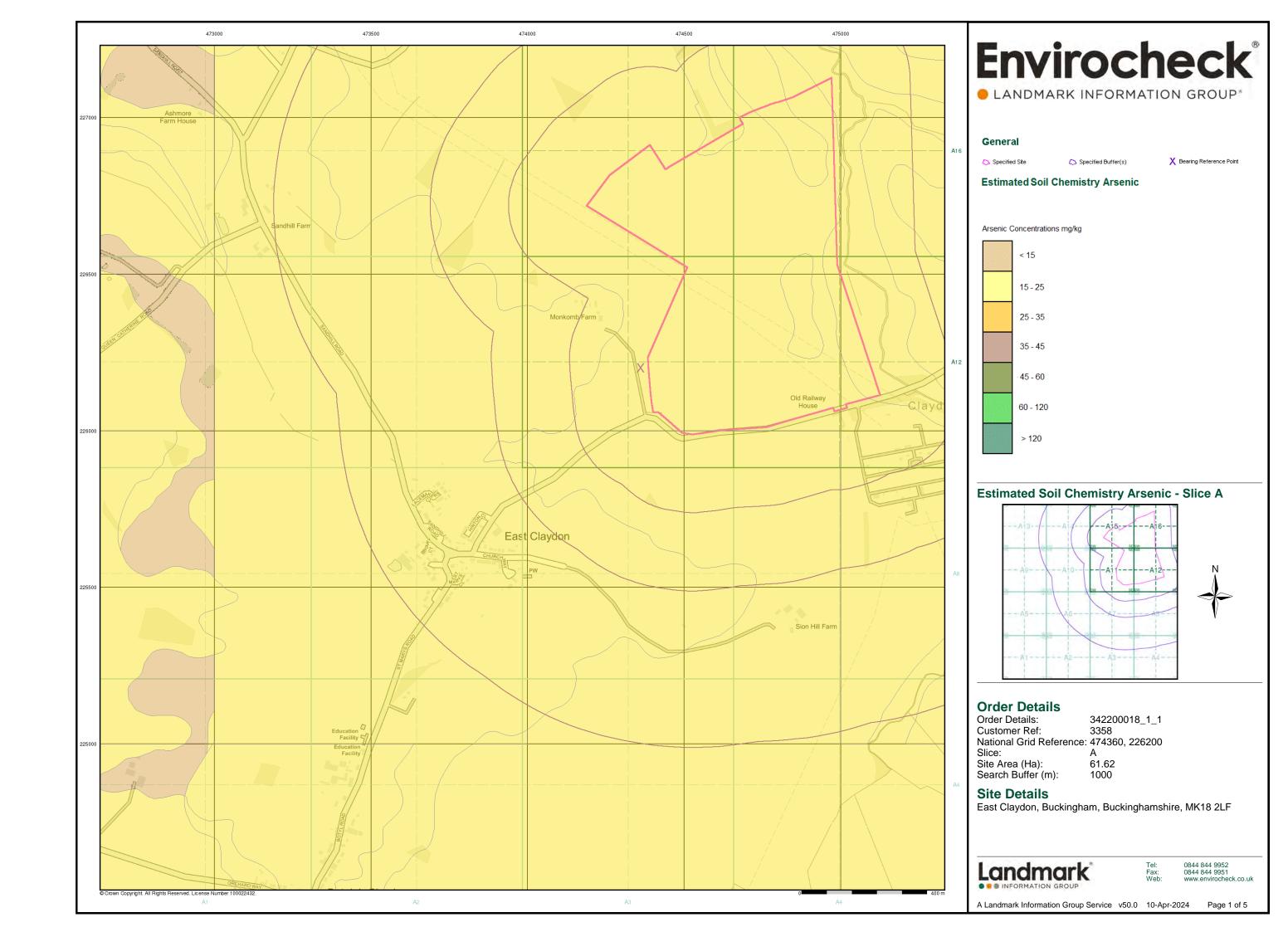


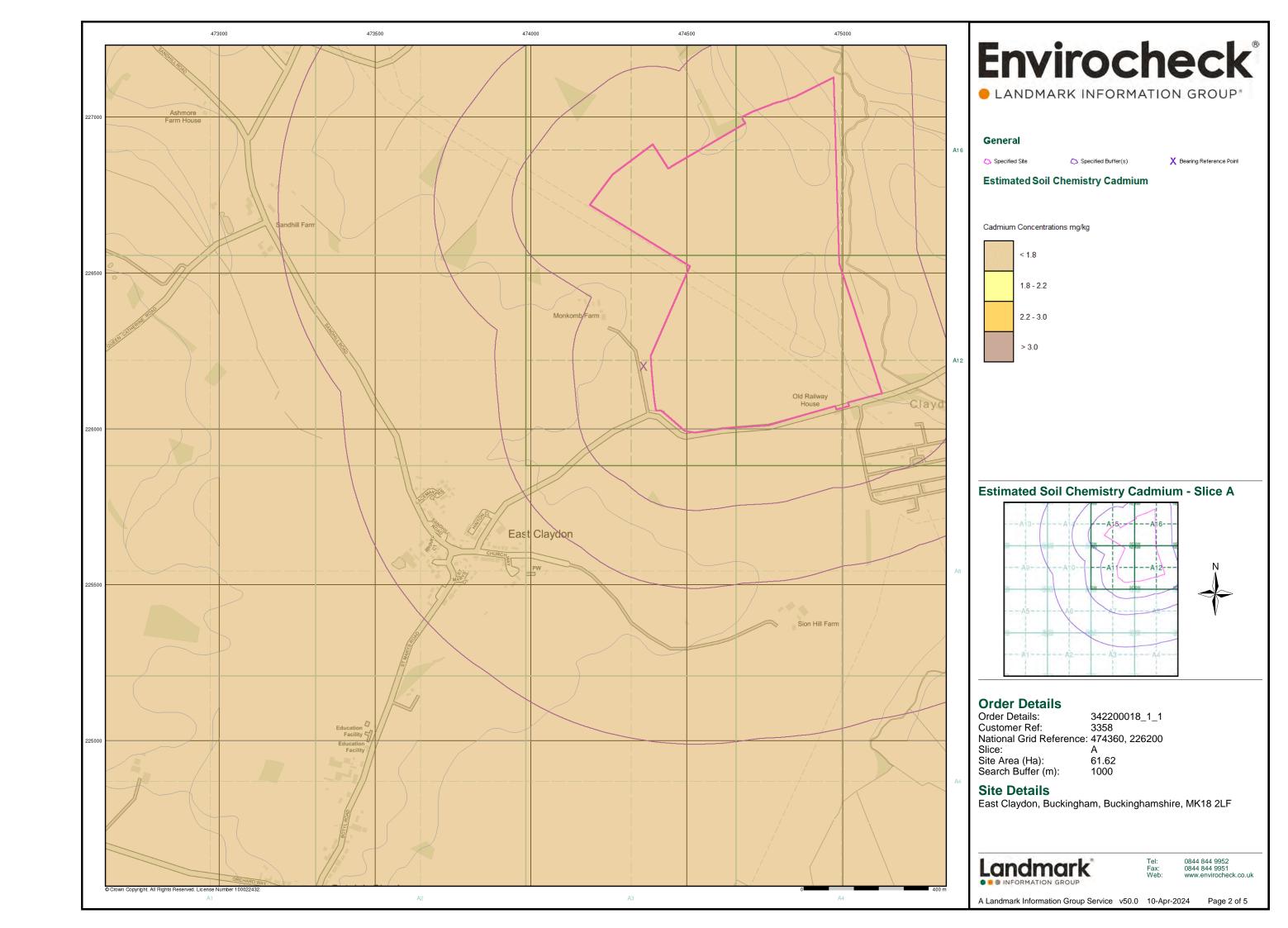


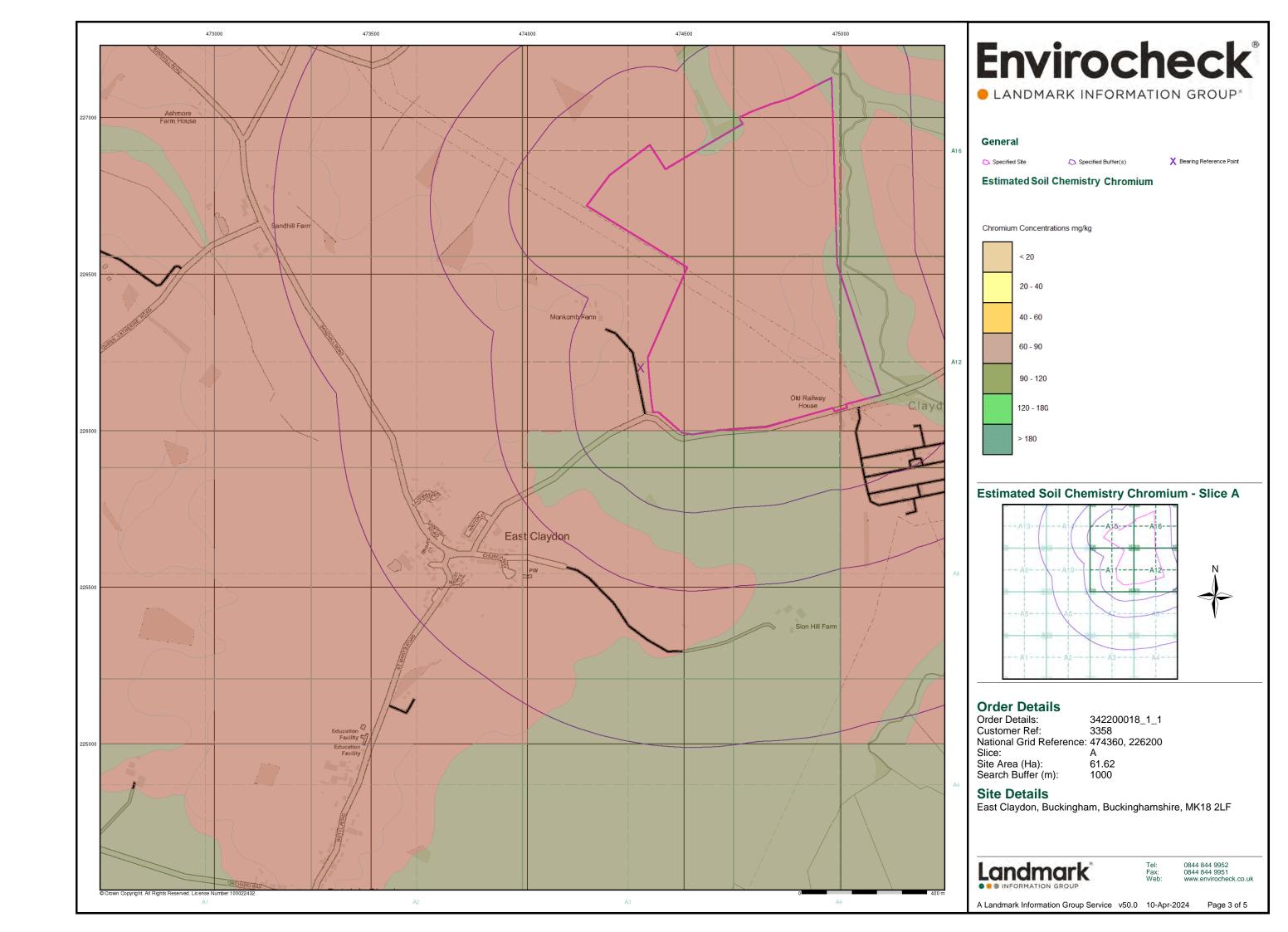


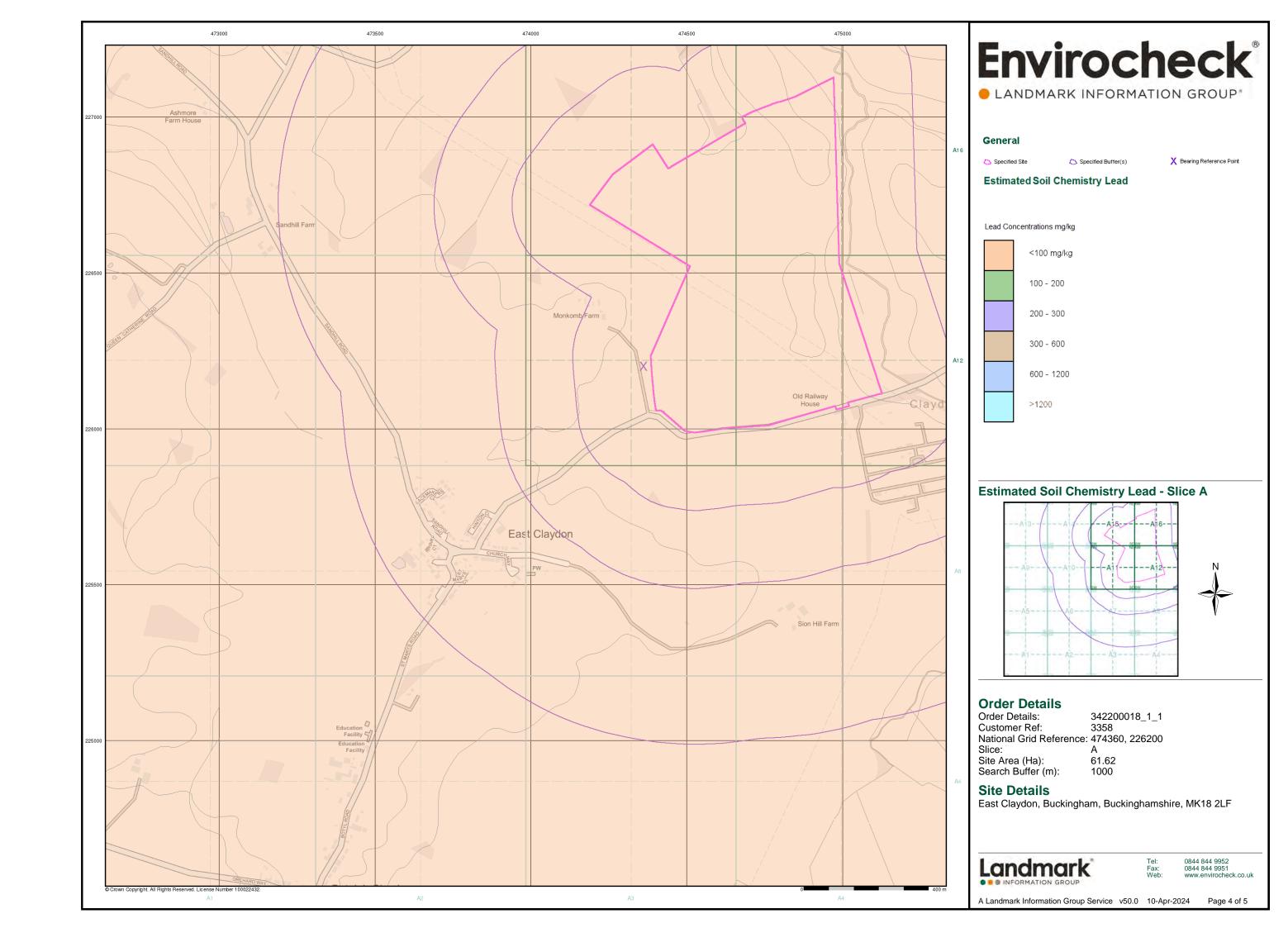


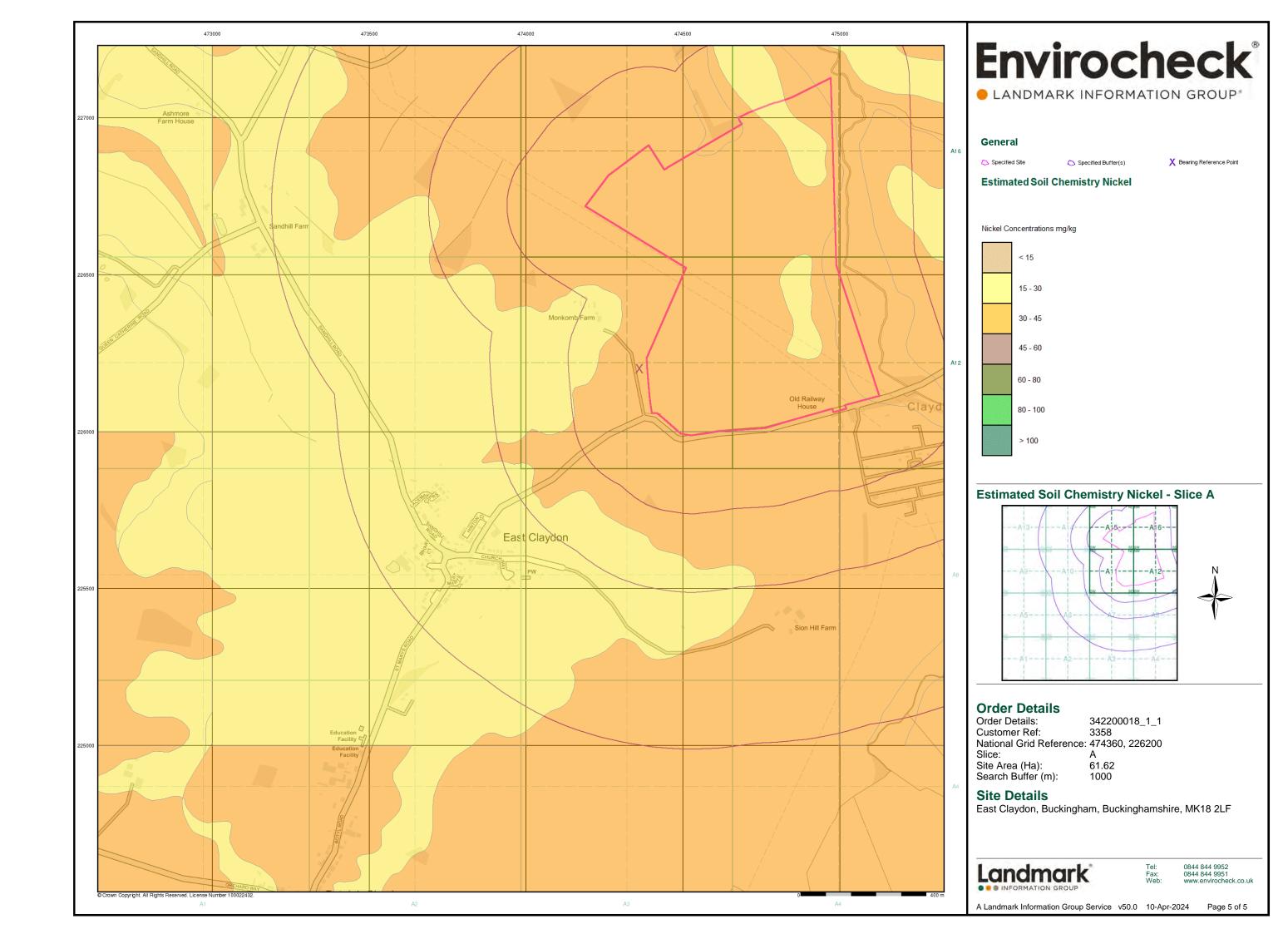


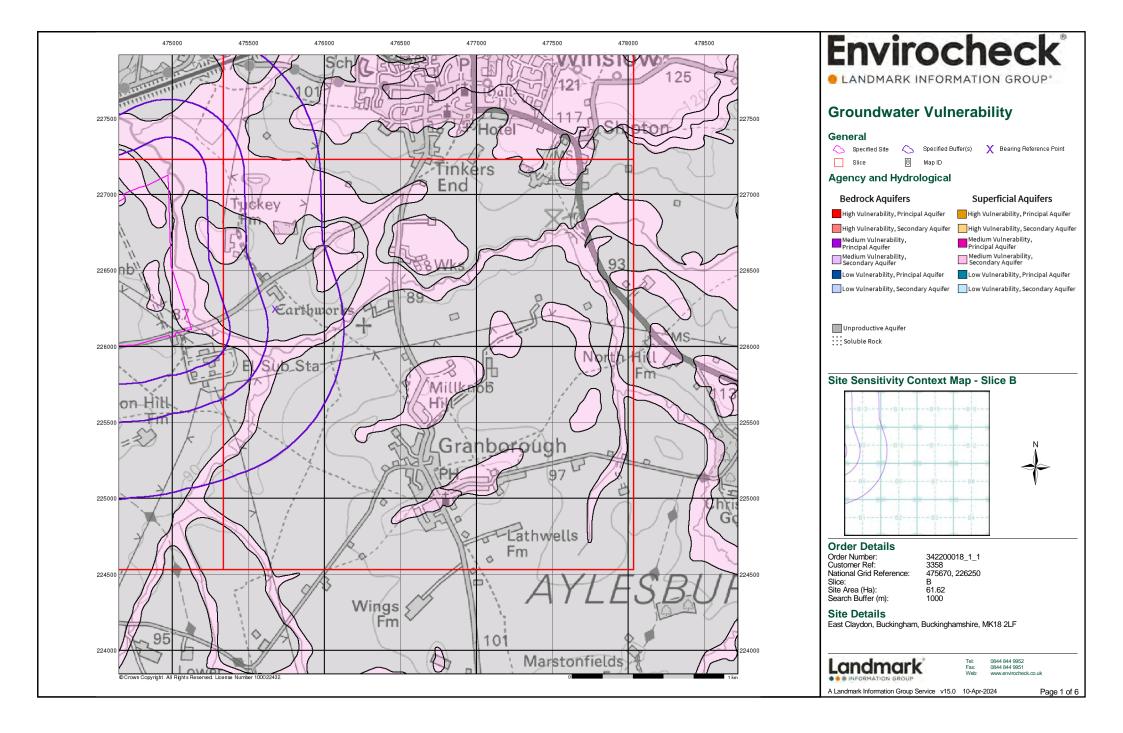


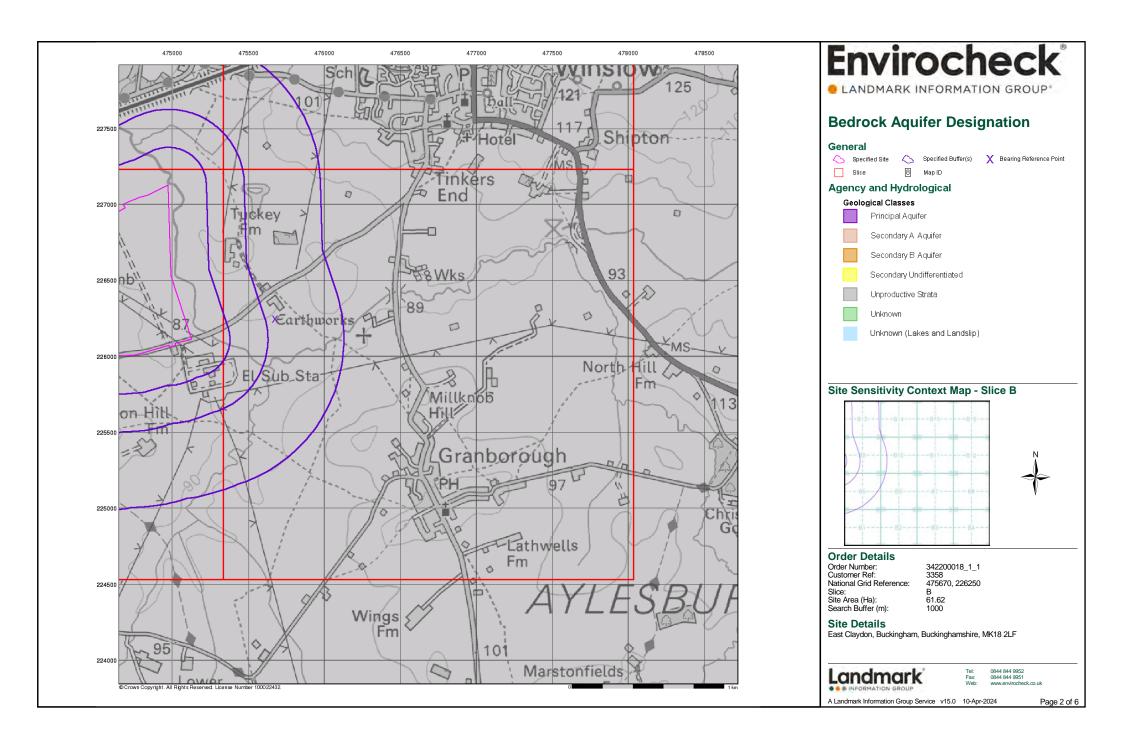


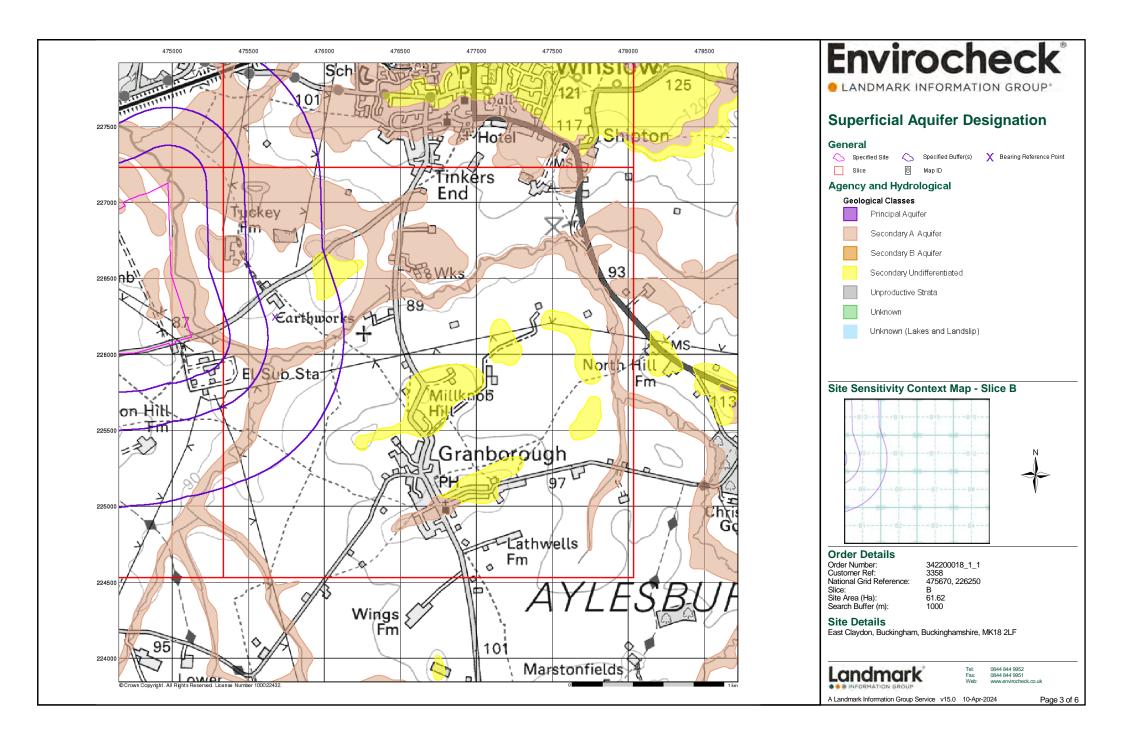


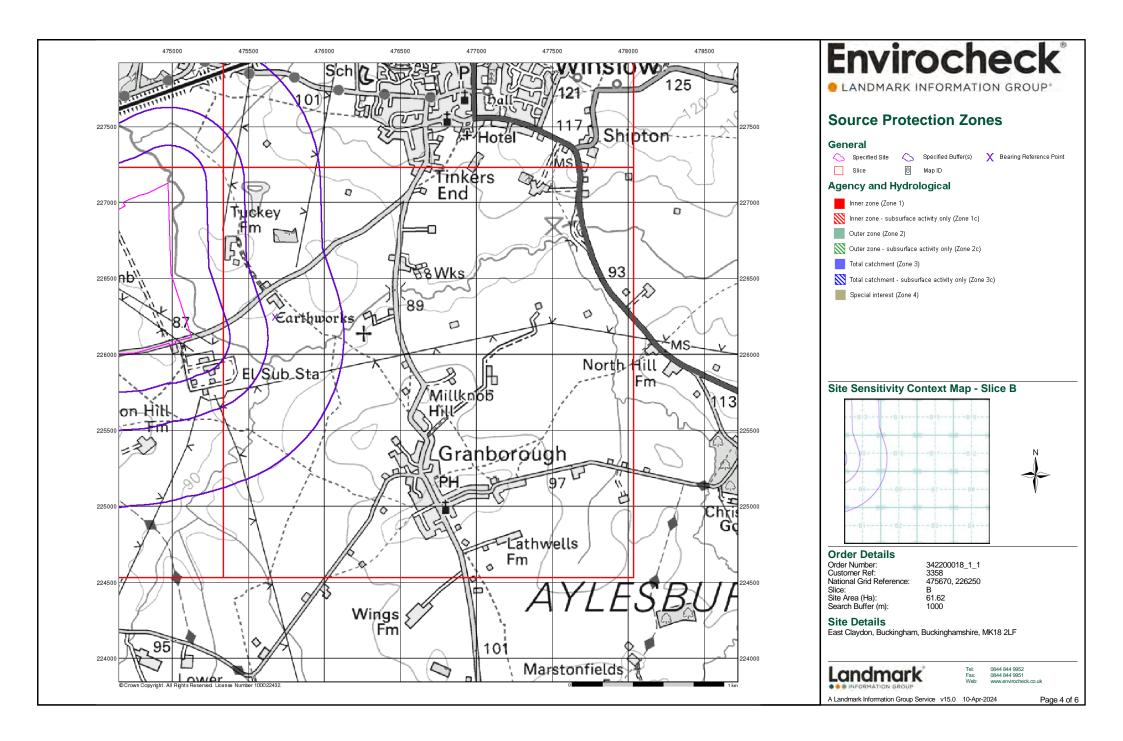


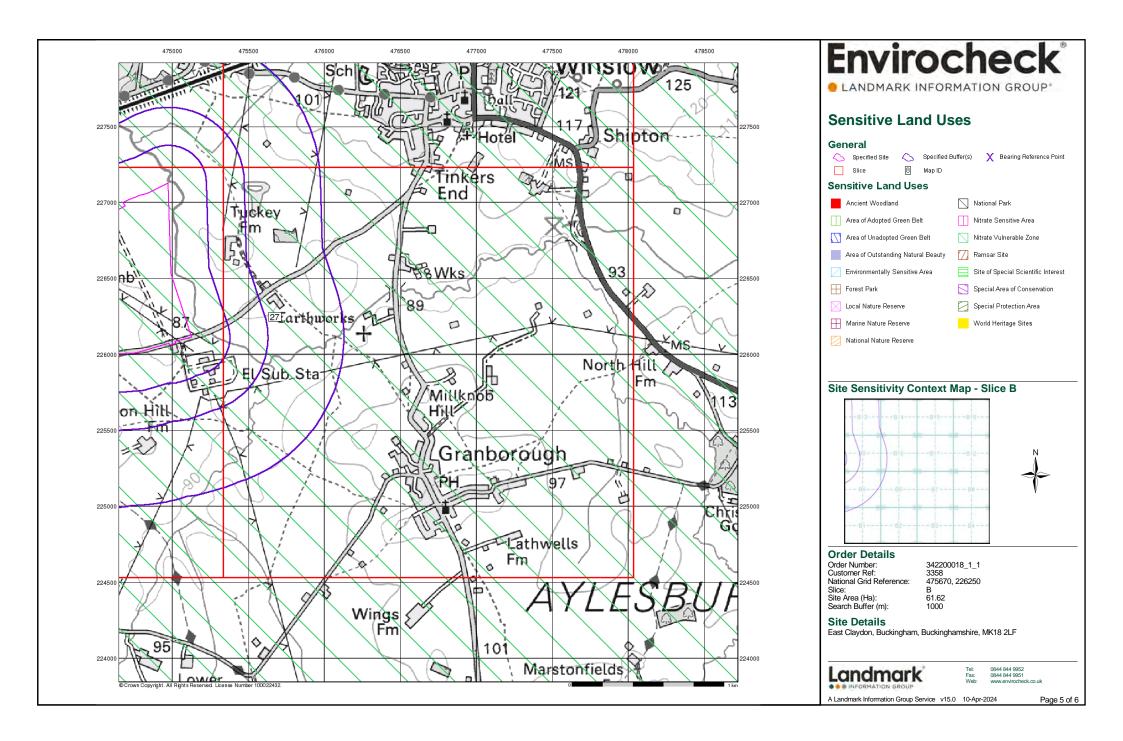


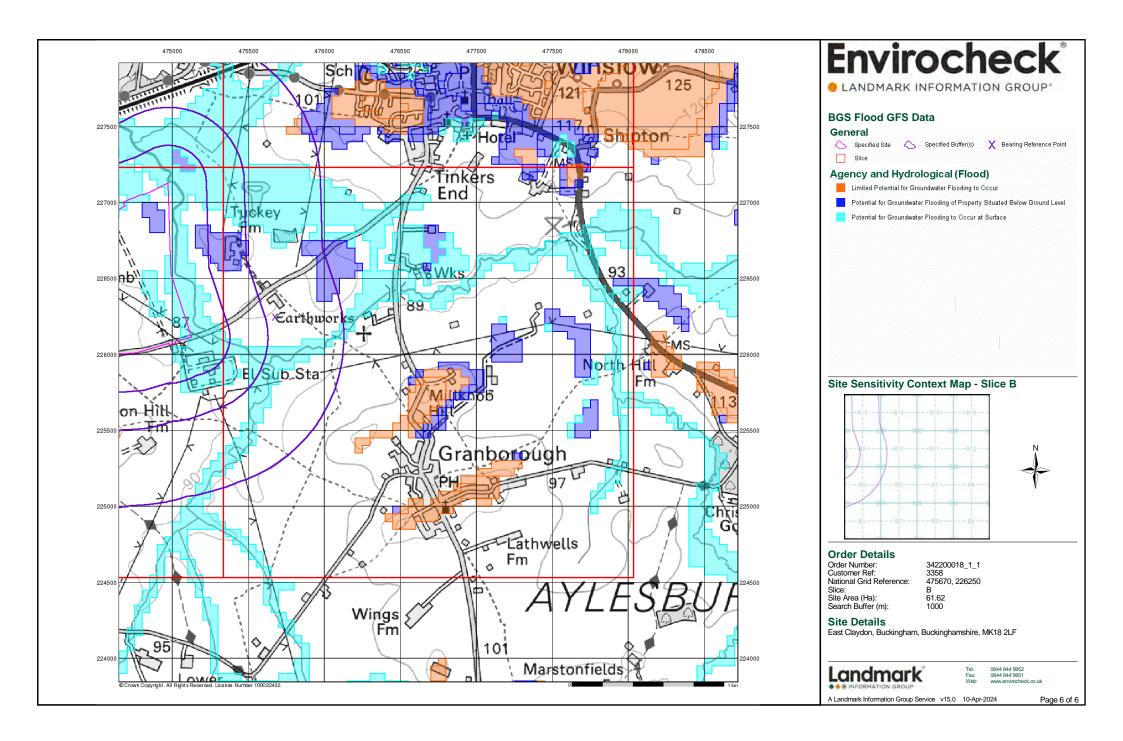














# **Envirocheck® Report:**

### **Datasheet**

#### **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

475670, 226250

Slice:

В

Site Area (Ha):

61.62

Search Buffer (m):

1000

#### **Site Details:**

East Claydon Buckingham Buckinghamshire MK18 2LF

#### **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	8
Hazardous Substances	-
Geological	9
Industrial Land Use	12
Sensitive Land Use	13
Data Currency	14
Data Suppliers	20
Useful Contacts	21

#### Introduction

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

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

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Report Version v53.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2		
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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1		Yes		
Pollution Incidents to Controlled Waters	pg 2				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 2	1			
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 2	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 5	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 5	Yes		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 5		2	3	17



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 8	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
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 9	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 9	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 11	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11	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					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 12			1	1
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
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					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 13	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater F	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	(NW)	0	1	475000 227050
	<b>BGS Groundwater F</b>	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	475000 226400
	<b>BGS Groundwater F</b>	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	B9SE (S)	0	1	475675 226050
	BGS Groundwater F	Flooding Susceptibility	. ,			
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	474950 226800
	BGS Groundwater F	Flooding Susceptibility				220000
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	474950 226250
	BGS Groundwater F	Flooding Susceptibility				220200
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	108	1	475150 227200
	BGS Groundwater F	Flooding Susceptibility				221200
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NW (NW)	167	1	475450 226550
	BGS Groundwater F	Flooding Susceptibility	(****)			
	Flooding Type:	Limited Potential for Groundwater Flooding to Occur	(SW)	369	1	474650 225500
	Discharge Consents	3				220000
1	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water:	National Grid Co Plc (Ang Reg). SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY E Claydon 400kv Substation East Claydon Rd, Winslow, Bucks, Mk18 3nf Environment Agency, Anglian Region Not Given Prcnf05284 1 18th April 1994 18th April 1994 Not Supplied Trade Effluent Discharge-Site Drainage Freshwater Stream/River  Claydon Brook	B9SW (SW)	226	2	475350 226080
	Status:	Post National Rivers Authority Legislation where issue date > 31/08/1989 Located by supplier to within 100m				
	Discharge Consents					
1		The National Grid Co.Plc SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY East Claydon Substation East Claydon Road, Winslow, Buckinghamshire, Bucks, Mk18 3ne Environment Agency, Anglian Region Upper River Ouse (Deanshanger) Prcnf14159 1 3rd February 1999 26th July 1999 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Onto Land/Into Watercourse  Claydon Brook New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Located by supplier to within 100m	B9SW (SW)	238	2	475360 226070
	Nearest Surface Wa	ter Feature				
	Nearest Surface Wa					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters  Domestic/Residential Bedford District Environment Agency, Anglian Region Sewage - Septic Tank Effluent Tributary Claydon Brook 26th March 1998 4076 Not Given Freshwater Stream/River Wrong Connection Category 3 - Minor Incident Located by supplier to within 100m	B9NW (NW)	540	2	475600 226400
	River Quality Name: GQA Grade: Reach: Estimated Distance (km): Flow Rate: Flow Type: Year:	Claydon Bk. River Quality B Winslow Stw Horwood Trib 5.2  Flow less than 0.62 cumecs River 2000	B9SW (SW)	0	2	475535 225941
	Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Unproductive Aquifer (may have productive aquifer beneath) Unproductive Unproductive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90% 3-10m High	(W)	0	3	475000 226248
	Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Unproductive Aquifer (may have productive aquifer beneath) Unproductive Unproductive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90%  <3m High	B9SW (SW)	0	3	475384 226000
	Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Secondary Superficial Aquifer - Medium Vulnerability  Medium  Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low  Well Connected Fractures <300 mm/year 40-70% <90%  <3m  High	(NW)	0	3	474860 227000



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(NW)	0	3	475000
	Classification: Combined	Medium				227000
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:	0				
	Superficial Thickness:	<3m				
	Superficial	High				
	Recharge:	1.191				
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(W)	0	3	474945
	Classification: Combined	Medium				226270
	Vulnerability:	Medium				
	Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	40-70% <90%				
	Patchiness:					
	Superficial	3-10m				
	Thickness:	I E-L				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aguifer - Medium Vulnerability	(NW)	0	3	474954
	Classification:	, , , , , , , , , , , , , , , , , , , ,	, ,			226807
	Combined	Medium				
	Vulnerability:	Hanna du eti ya Dadasali Amrifan Dandu eti ya Overnefinial Amrifan				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	3-10m				
	Thickness:					
	Superficial	High				
	Recharge:					
	Groundwater Vulne	•	(804)		2	171601
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(NW)	0	3	474684 226944
	Combined	Medium				
	Vulnerability:					
	Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:	0.40				
	Superficial Thickness:	3-10m				
	Superficial	High				
	Recharge:	a				



/lap ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification: Combined	Secondary Superficial Aquifer - Medium Vulnerability  Medium	(W)	0	3	475000 226248
	Vulnerability: Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution: Baseflow Index:	Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness: Superficial	<90% 3-10m				
	Thickness: Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	B9SE (S)	0	3	475673 226042
	Combined Vulnerability: Combined Aquifer:	Medium  Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification: Combined	Unproductive Aquifer (may have productive aquifer beneath)  Unproductive	(W)	0	3	475000 226000
	Vulnerability: Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, No Superficial Aquifer				
	Bedrock Flow: Dilution: Baseflow Index:	Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness: Superficial	3-10m No Data				
	Recharge:					
	Groundwater Vulne Combined Classification:	erability Map  Unproductive Aquifer (may have productive aquifer beneath)	(NW)	0	3	474985 227000
	Combined Vulnerability:	Unproductive				227000
	Combined Aquifer: Pollutant Speed: Bedrock Flow:	Unproductive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures				
	Dilution: Baseflow Index: Superficial	<300 mm/year 40-70% <90%				
	Patchiness: Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne None	erability - Soluble Rock Risk				
	Bedrock Aquifer De Aquifer Designation:	esignations Unproductive Strata	(W)	0	3	475000
	Bedrock Aquifer De	esignations				226248
		Unproductive Strata	B9NE (W)	0	3	475675 226248
	<b>Superficial Aquifer</b> Aquifer Designation:	<b>Designations</b> Secondary Aquifer - A	(W)	0	3	474945 226270



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(NW)	0	3	474954 226807
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(W)	0	3	475000 226248
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(NW)	0	3	475000 226864
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B9SE (S)	0	3	475673 226042
	Extreme Flooding from Rivers or Sea without Defences  Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B9SE (SE)	0	2	475758 226167
	Flooding from Rivers or Sea without Defences  Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B9SE (S)	0	2	475720 226118
	Areas Benefiting from Flood Defences None Flood Water Storage Areas				
	Flood Defences None				
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 431.8  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NW (N)	99	4	475461 226904
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 447.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SW (SW)	117	4	475481 226040
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 318.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NE (N)	420	4	475682 227160
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NW (N)	483	4	475464 226904
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 610.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13SE (N)	486	4	475787 226806



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 327.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SW (S)	528	4	475622 225932
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 351.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SE (SE)	528	4	475823 226026
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5NW (S)	600	4	475598 225686
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 191.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5NW (S)	637	4	475598 225686
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NE (N)	712	4	475685 227160
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 210.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NE (N)	715	4	475830 227018
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 785.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5SW (S)	748	4	475513 225472
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 499.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5SW (S)	748	4	475511 225472
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Carm Ely Ouse and South Level Primacy: 1	B9SE (SE)	807	4	475931 226046



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 1073.7  Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SE (SE)	807	4	475931 226046
18	OS Water Network Lines  Watercourse Form: Lake Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5NE (S)	823	4	475766 225596
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5NE (S)	831	4	475773 225592
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.5  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NE (N)	886	4	475866 227002
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 249.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NE (N)	891	4	475876 226999
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	(S)	910	4	475329 225218
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5SE (S)	974	4	475901 225523
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 81.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5SE (S)	983	4	475910 225519



#### **Waste**

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	ocal Authority Landfill Coverage					
		ry Vale District Council upplied landfill data		0	6	475675 226248
	Local Authority Landfill Coverage					
		hamshire County Council upplied landfill data		0	5	475675 226248

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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology				
	Description:	Kellaways Formation And Oxford Clay Formation (Undifferentiated)	B9NE (W)	0	1	475675 226248
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 90 - 120 mg/kg	B9SE (S)	0	1	475673 226042
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	B9SW (SW)	0	1	475461 225967
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	B13NW (N)	75	1	475389 227044
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	B9NE (W)	85	1	475675 226248
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	B9NW (NW)	170	1	475407 226556
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	B14SE (NE)	368	1	476348 226590





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration:	Chemistry  British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	B9SE (SE)	628	1	475902 225986
	Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel	<1.8 mg/kg 60 - 90 mg/kg <100 mg/kg 30 - 45 mg/kg				
	Concentration:					
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg <100 mg/kg	B9NE (NE)	865	1	475951 226373
	Nickel Concentration:	15 - 30 mg/kg				
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration:	Chemistry British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	(N)	875	1	476065 227335
	Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	<1.8 mg/kg 60 - 90 mg/kg <100 mg/kg 15 - 30 mg/kg				
	BGS Measured Urba	an Soil Chemistry				
	No data available					
	BGS Urban Soil Che No data available	emistry Averages				
	Coal Mining Affecte	d Areas				
	In an area that might	not be affected by coal mining				
	Non Coal Mining Ar	eas of Great Britain				
	_	sible Ground Stability Hazards		_		
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	475673 226042
	Hazard Potential:	sible Ground Stability Hazards Very Low	B9SW	0	1	475461
	Potential for Collaps Hazard Potential: Source:	British Geological Survey, National Geoscience Information Service sible Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	B13NW	75	1	225967 475389
		sible Ground Stability Hazards  Very Low British Geological Survey, National Geoscience Information Service	B9NE (W)	85	1	227044 475675 226248
		essible Ground Stability Hazards Moderate British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	475673 226042
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	B9SW (SW)	0	1	475397 226032
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	B13NW (N)	75	1	475389 227044
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	B9NE (W)	85	1	475675 226248



# **Geological**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Groun	d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	475675 226248
	Potential for Lands	lide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	475675 226248
	Potential for Runnin	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	475673 226042
	Potential for Runnin	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B9SW (SW)	0	1	475397 226032
	Potential for Runnin	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	B13NW (N)	75	1	475389 227044
	Potential for Runnin	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	B9NE (W)	85	1	475675 226248
	Potential for Runnin	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	B9NW (NW)	170	1	475407 226556
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	475675 226248
	Radon Potential - R	adon 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).	B9NE (W)	0	1	475675 226248
	Source:	British Geological Survey, National Geoscience Information Service				
		adon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions  British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	475675 226248

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## **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Points of Interest -	Manufacturing and Production				
25	Name: Location: Category: Class Code: Positional Accuracy:	T W Ives Tuckey's Barn, East Claydon Road, Winslow, Buckingham, MK18 3ND Farming Livestock Farming Positioned to address or location	B13SW (NW)	428	7	475415 226608
	Points of Interest -	Manufacturing and Production				
26	Name: Location: Category: Class Code: Positional Accuracy:	T W Ives East Claydon Road, Winslow, Buckingham, MK18 3ND Farming Livestock Farming Positioned to address or location	B9NW (N)	559	7	475628 226377

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## **Sensitive Land Use**

	ap D		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
		Nitrate Vulnerab	le Zones				
2	27	Name: Description: Source:	Great Ouse Nvz Surface Water Environment Agency, Head Office	B9NE (W)	0	3	475675 226248

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Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	December 2019	Annual Rolling Update
Buckinghamshire Council	December 2019	Annual Rolling Update
Environment Agency - Head Office	November 2023	Annually
Discharge Consents		
Environment Agency - Anglian Region	January 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	
	IVIAICII 2013	
Integrated Pollution Controls	January 2000	
Environment Agency - Thames Region	January 2009	
Integrated Pollution Prevention And Control	0	
Environment Agency - South East Region - West Thames Area	October 2023	Quarterly
Environment Agency - Thames Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Variable
Buckinghamshire Council	February 2015	Variable
Local Authority Pollution Prevention and Controls		
Buckinghamshire Council	February 2015	Annual Rolling Update
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Not Applicable
Local Authority Pollution Prevention and Control Enforcements		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Variable
Buckinghamshire Council	February 2015	Variable
Nearest Surface Water Feature		
Ordnance Survey	February 2024	
Pollution Incidents to Controlled Waters		
Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Thames Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Thames Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Thames Region	June 2016	As notified
Environment Agency - Head Office	May 2023	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points	'	
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - South East Region - West Tharnes Area  Environment Agency - Thames Region - West Area	January 2024 January 2024	Quarterly
	January 2024	Quarterly
Water Abstractions	Ost-1 0000	Occasion and a
Environment Agency - Anglian Region	October 2023	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	
	Octobel 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
<u> </u>	Julie 2010	AS HUIIIIEU
Bedrock Aquifer Designations	,	
Environment Agency - Head Office	January 2018	As notified

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	January 2024	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines		
Ordnance Survey	January 2024	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	As notified

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Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Thames Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - Thames Region - West Area	January 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - West Thames Area	January 2023	Quarterly
Environment Agency - Thames Region - West Area	January 2023	Quarterly
Local Authority Landfill Coverage		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2003	Not Applicable
Buckinghamshire Council	February 2003	Not Applicable
Buckinghamshire County Council	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	October 2018	
Buckinghamshire Council	October 2018	
Buckinghamshire County Council	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Thames Region - West Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Thames Region - West Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Thames Region - West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites	•	,
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
·	7.49401.2001	
Planning Hazardous Substance Enforcements  Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2016	Variable
Buckinghamshire Council	February 2016	Variable
Buckinghamshire County Council	February 2023	Variable
	, _0_0	
Planning Hazardous Substance Consents  Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2016	Variable
Buckinghamshire Council	February 2016	Variable
	. 52.4417 2010	Valiable

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Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	October 2023	Annually

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Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	October 2023	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines		
National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services		
PointX	March 2024	Quarterly
Points of Interest - Education and Health		
PointX	March 2024	Quarterly
Points of Interest - Manufacturing and Production		
PointX	March 2024	Quarterly
Points of Interest - Public Infrastructure		
PointX	March 2024	Quarterly
Points of Interest - Recreational and Environmental		
PointX	March 2024	Quarterly
Underground Electrical Cables		
National Grid	February 2023	Bi-Annually

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Ancient Woodland Natural England		
	October 2023	Bi-Annually
Areas of Adopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Unadopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	February 2024	Bi-Annually
Marine Nature Reserves		
Natural England	February 2024	Bi-Annually
National Nature Reserves		
Natural England	February 2024	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	March 2023	Bi-Annually
Ramsar Sites		
Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest		
Natural England	November 2023	Bi-Annually
Special Areas of Conservation		
Natural England	October 2023	Bi-Annually
Special Protection Areas		
Natural England	October 2023	Bi-Annually

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A selection of organisations who provide data within this report

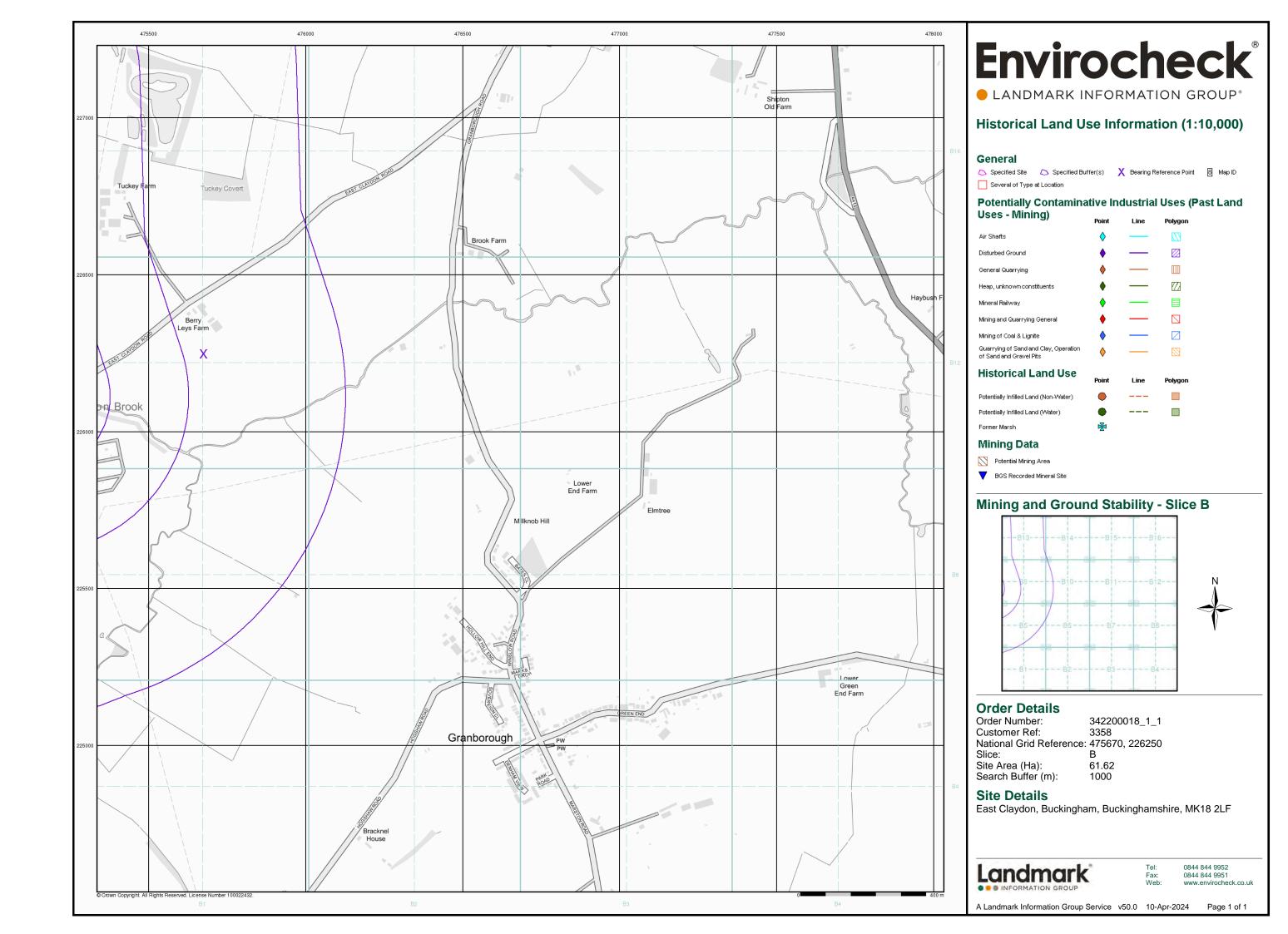
Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scuttish Environment Protection Agency
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Noturiol Ografiol Hastural Resources Walles
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 収込分
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

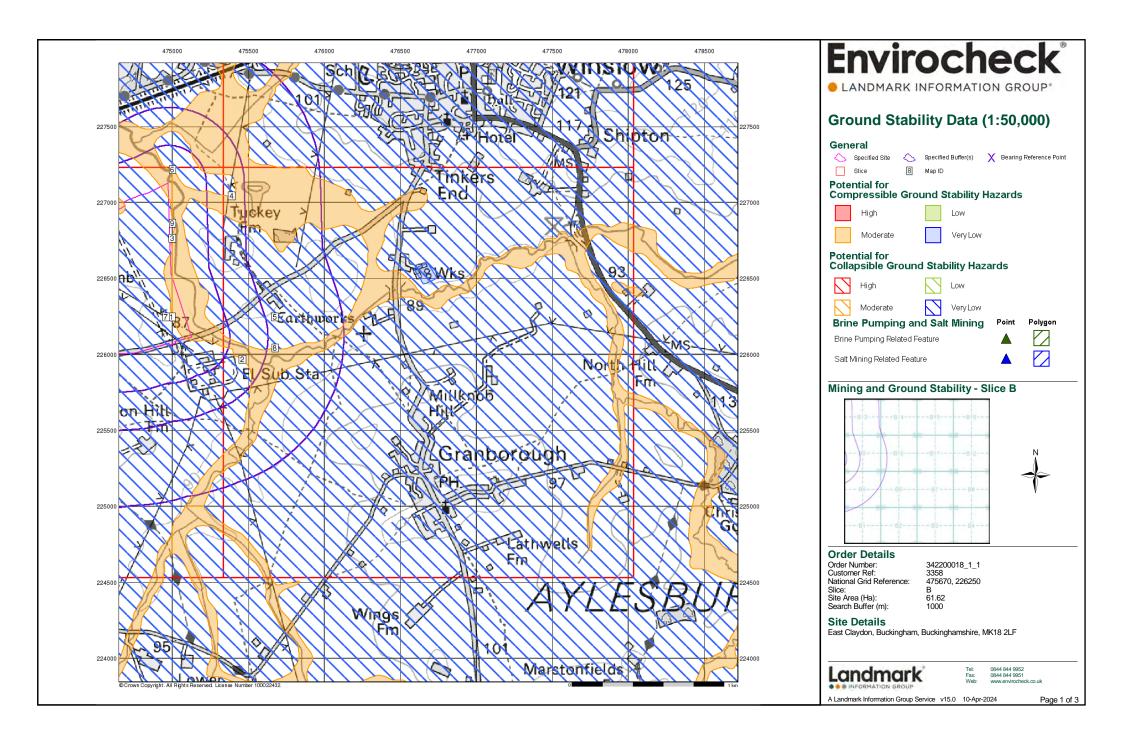


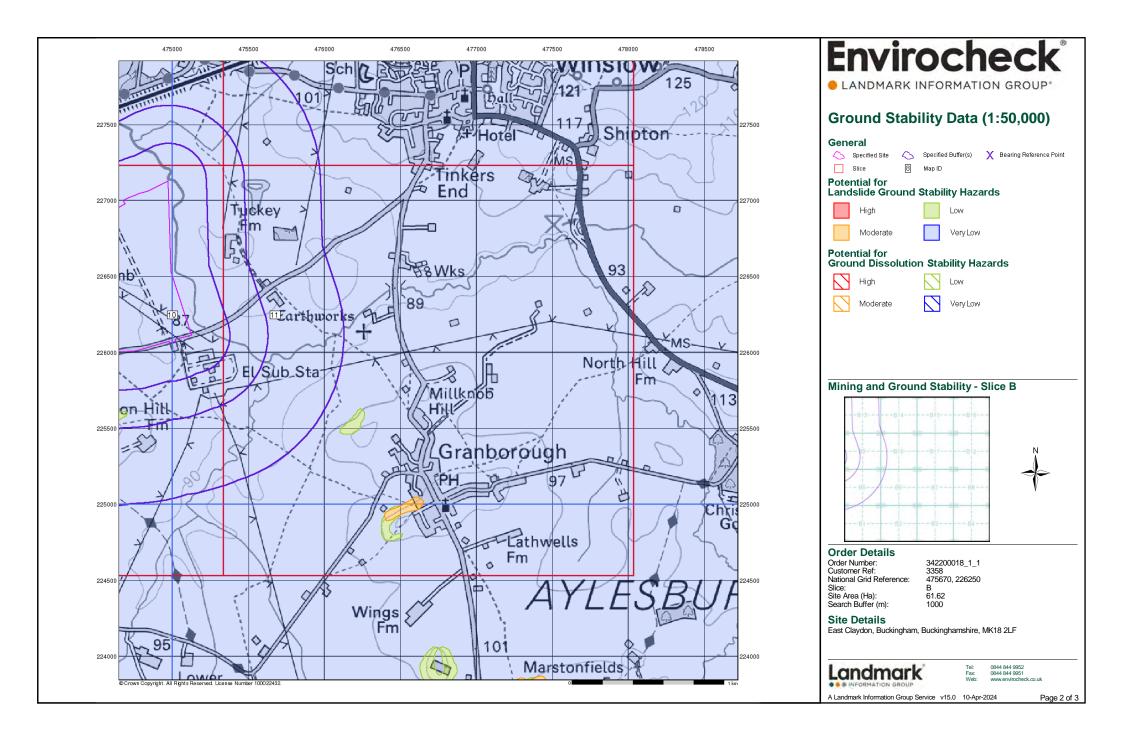
## **Useful Contacts**

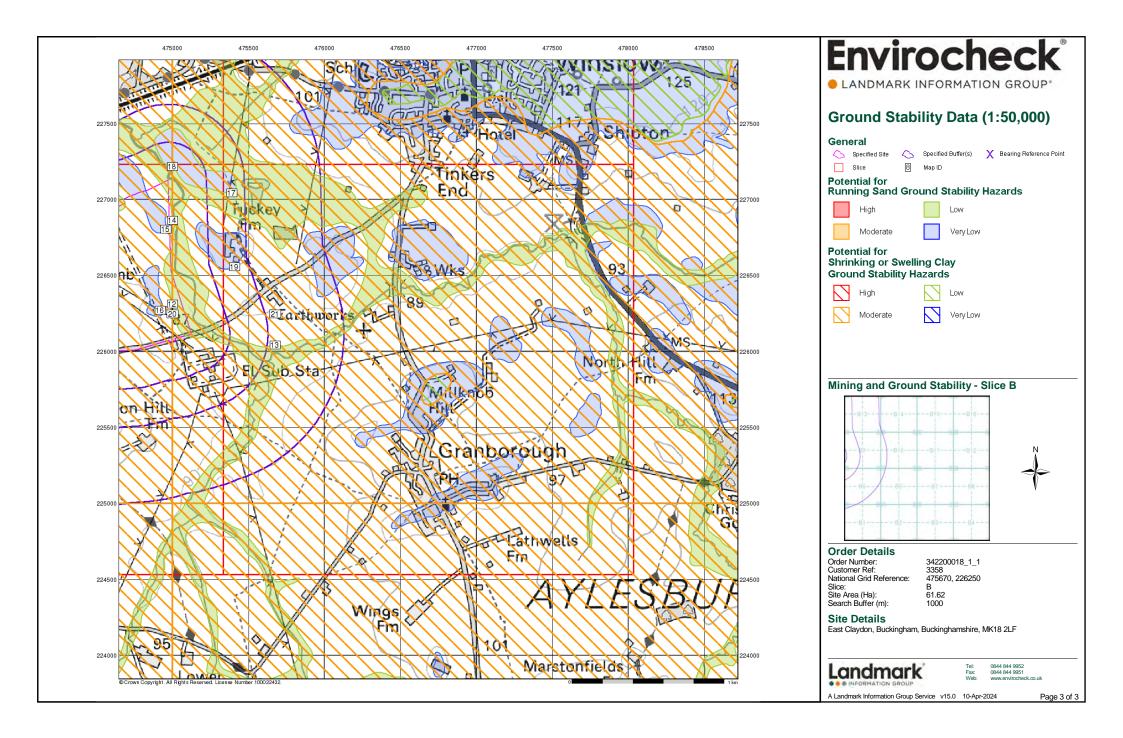
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
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	Buckinghamshire County Council County Hall, Aylesbury, Buckinghamshire, HP20 1UA	Telephone: 01296 395900 Fax: 01296 88887 Website: www.buckscc.gov.uk
6	Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health Customer Service Centre, 66 High Street, Aylesbury, Buckinghamshire, HP20 1SD	Telephone: 01296 585858 Fax: 01296 398804 Website: www.aylesburyvaledc.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	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.











# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

#### **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

475670, 226250

Slice:

R

Site Area (Ha):

61.62

Search Buffer (m):

1000

#### Site Details:

East Claydon Buckingham Buckinghamshire MK18 2LF

#### **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN







Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

#### Historical Land Use Information (1:2,500)

-

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

#### **Historical Land Use Information (1:10,000)**

-

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### **Ground Stability Data (1:50,000)**

1

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

## Historical Map List 3

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	4
Data Suppliers	5
Useful Contacts	6

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The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0





Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 2	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 2	Yes		n/a	n/a
Salt Mining Related Features					





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Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



# **Ground Stability Data (1:50,000)**

/lap ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District				
	The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards	040		4	475000
1	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Services	(W)	0	1	475000 226248
	Potential for Collapsible Ground Stability Hazards				
2	Hazard Potential: Very Low	B9SW	0	1	475461
	Source: British Geological Survey, National Geoscience Information Sen	rice (SW)			225967
	Potential for Collapsible Ground Stability Hazards				
3	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Sen	(NW)	19	1	475000 226763
	Potential for Collapsible Ground Stability Hazards				220703
4	Hazard Potential: Very Low	B13NW	75	1	475389
7	Source: British Geological Survey, National Geoscience Information Sen	_	"	'	227044
	Potential for Collapsible Ground Stability Hazards				
5	Hazard Potential: Very Low	B9NE	85	1	475675
	Source: British Geological Survey, National Geoscience Information Sen	rice (W)			226248
	Potential for Collapsible Ground Stability Hazards				
6	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Sen	(NW)	94	1	475000 227216
	Potential for Collapsible Ground Stability Hazards				227210
	Hazard Potential: No Hazard	(NW)	0	1	475000
	Source: British Geological Survey, National Geoscience Information Serv			'	226864
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard	(W)	0	1	475000
	Source: British Geological Survey, National Geoscience Information Sen	rice			226248
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Sen	B9SE (S)	0	1	475673 226042
	3 2	(3)			220042
7	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	(W)	0	1	475000
'	Source: British Geological Survey, National Geoscience Information Sen			'	226248
	Potential for Compressible Ground Stability Hazards				
8	Hazard Potential: Moderate	B9SE	0	1	475673
	Source: British Geological Survey, National Geoscience Information Sen	rice (S)			226042
	Potential for Compressible Ground Stability Hazards				
9	Hazard Potential: Moderate Source: Moderate British Geological Survey, National Geoscience Information Serv	(NW)	0	1	475000 226864
		100			22000-
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	B9SW	0	1	475397
	Source: British Geological Survey, National Geoscience Information Serv			'	226032
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	(W)	0	1	475000
	Source: British Geological Survey, National Geoscience Information Sen	rice			226248
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Sen	(NW)	19	1	475000 226763
		lice			22070
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	B13NW	75	1	475389
	Source: British Geological Survey, National Geoscience Information Sen		"	'	22704
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	B9NE	85	1	475675
	Source: British Geological Survey, National Geoscience Information Serv	rice (W)			226248
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Sen	(NW)	94	1	475000 227216
		106			221210
	Potential for Ground Dissolution Stability Hazards	040		4	475001
	Hazard Potential: No Hazard	rice (W)	0	1	475000 226248

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



# **Ground Stability Data (1:50,000)**

Map ID		Details		Estimated Distance From Site	Contact	NGR
	Potential for Groun Hazard Potential: Source:	nd Dissolution Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	475675 226248
10	Potential for Lands Hazard Potential: Source:	Slide Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 226248
11	Potential for Lands Hazard Potential: Source:	Slide Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	475675 226248
12	Potential for Runni Hazard Potential: Source:	Ing Sand Ground Stability Hazards  Low  British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 226248
13	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  Low  British Geological Survey, National Geoscience Information Service	B9SE (S)	0	1	475673 226042
14	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  Low  British Geological Survey, National Geoscience Information Service	(NW)	0	1	475000 226864
15	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	(NW)	0	1	474954 226807
16	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	(W)	0	1	474945 226270
17	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	B13NW (N)	75	1	475389 227044
18	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	(NW)	94	1	475000 227216
19	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  Very Low  British Geological Survey, National Geoscience Information Service	B9NW (NW)	170	1	475407 226556
	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 226248
	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	B9SW (SW)	0	1	475397 226032
	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	(NW)	19	1	475000 226763
	Potential for Runni Hazard Potential: Source:	ing Sand Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	B9NE (W)	85	1	475675 226248
20	Potential for Shrini Hazard Potential: Source:	king or Swelling Clay Ground Stability Hazards  Moderate British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 226248
21	Potential for Shrini Hazard Potential: Source:	king or Swelling Clay Ground Stability Hazards  Moderate  British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	475675 226248





#### No Historical Land Use information available.

#### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Buckinghamshire	023_00	1883
Buckinghamshire	019_00	1885
Buckinghamshire	019_SW	1900
Buckinghamshire	023_NW	1900
Buckinghamshire	019_SW	1926
Buckinghamshire	019_SW	1952
Buckinghamshire	023_NW	1952
Ordnance Survey Plan	SP72NE	1958
Ordnance Survey Plan	SP72SE	1958
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SP72SE	1984
Ordnance Survey Plan	SP72NE	1985



Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
	1	
Potential for Landslide Ground Stability Hazards	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards	January 2019 January 2019	As notified  As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019	As notified

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 4 of 6





A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB



## **Useful Contacts**

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
-	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

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## **Geology 1:50,000 Maps Legends**

#### **Artificial Ground and Landslip**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LSGR	Landscaped Ground (Undivided)	Artificially Modified Ground	Not Supplied - Holocene
Z	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassif ied Entry	Not Supplied - Quaternary

#### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary

#### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WEY	Weymouth Member	Mudstone	Not Supplied - Oxfordian
	WWB	West Walton Formation	Mudstone	Not Supplied - Oxfordian
	AMC	Ampthill Clay Formation	Mudstone	Not Supplied - Oxfordian
	SBY	Stewartby Member	Mudstone	Not Supplied - Callovian

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#### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

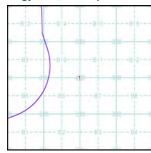
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

#### Geology 1:50,000 Maps Coverage

Map ID: Map Sheet No:

Buckingham 2002 Map Name: Map Date: Available Available Superficial Geology Artificial Geology: Not Supplied Landslip: Available Not Supplied

#### Geology 1:50,000 Maps - Slice B





#### **Order Details:**

Order Number: 342200018\_1\_1 Customer Reference: National Grid Reference: 475670, 226250 Site Area (Ha): Search Buffer (m): 61.62 1000

#### Site Details:

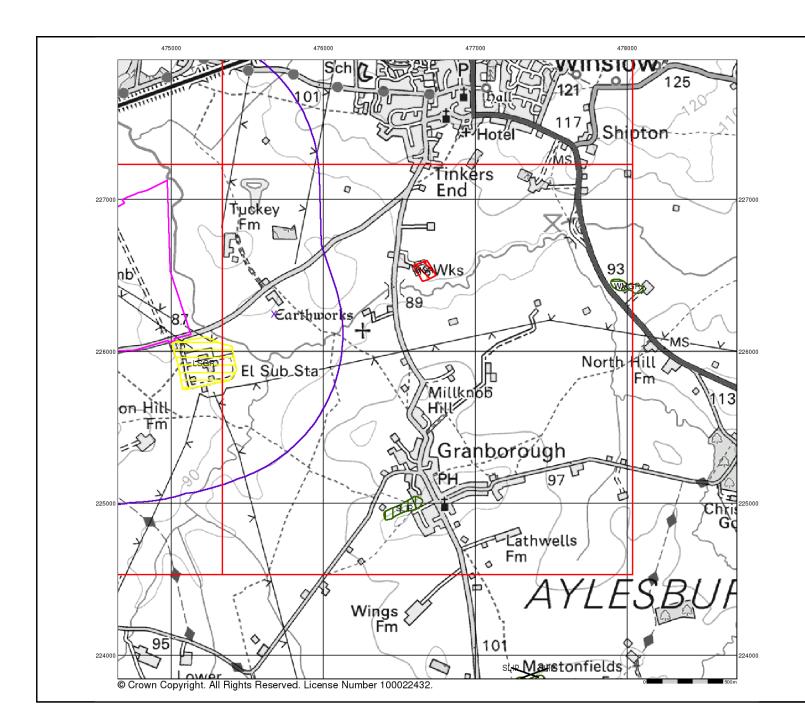
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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#### Artificial Ground and Landslip

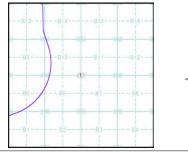
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

#### Artificial Ground and Landslip Map - Slice B





Order Number: 342200018\_1\_1
Customer Reference: 3358
National Grid Reference: 475670, 226250
Slice: 8

Site Area (Ha): 61.62 Search Buffer (m): 1000

#### Site Details:

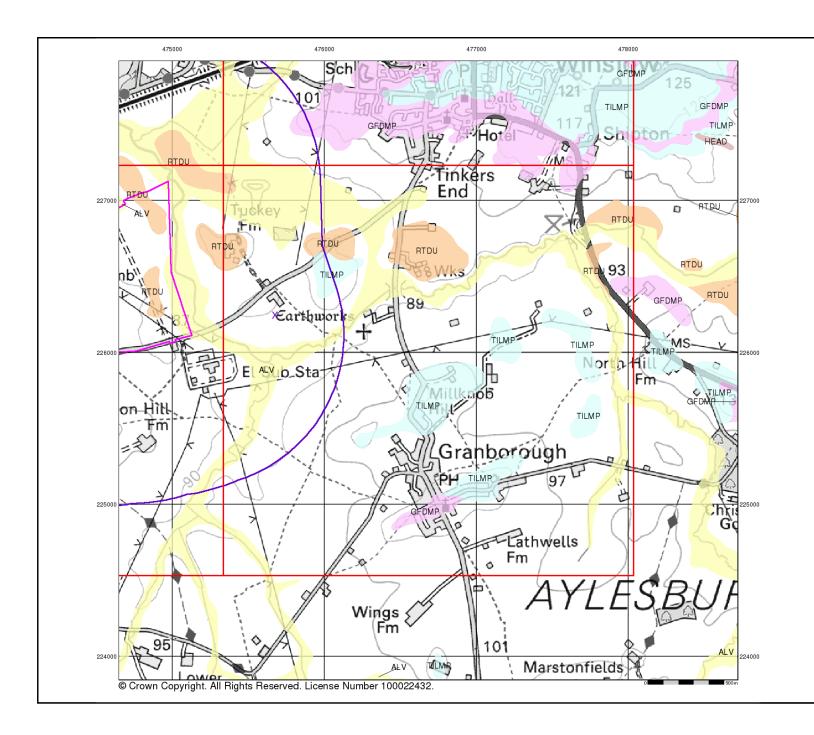
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



Fel: 0844 844 9952 Fax: 0844 844 9951 Web: www.envirocheck.c

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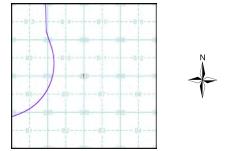
#### **Superficial Geology**

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

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

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

#### Superficial Geology Map - Slice B



#### **Order Details:**

Order Number: Customer Reference: 342200018\_1\_1 3358 475670, 226250 National Grid Reference: B 61.62

Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

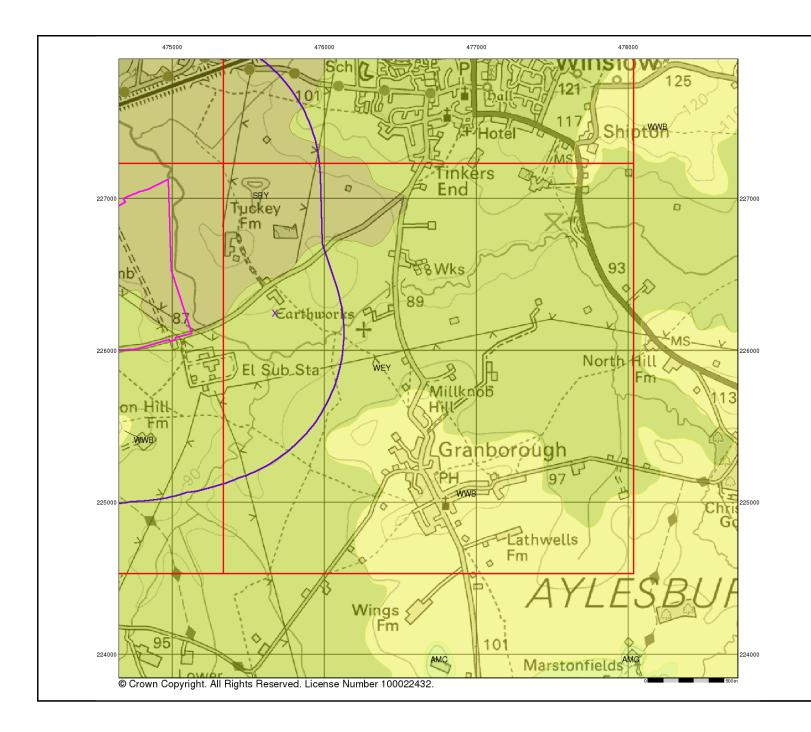
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#### **Bedrock and Faults**

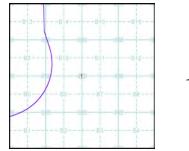
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

#### Bedrock and Faults Map - Slice B



#### Order Details:

Order Number: 342200018\_1\_1
Customer Reference: 3358
National Grid Reference: 475670, 226250
Slice: B
Slice Area (Ha): 61.62
Search Buffer (m): 1000

Site Details:

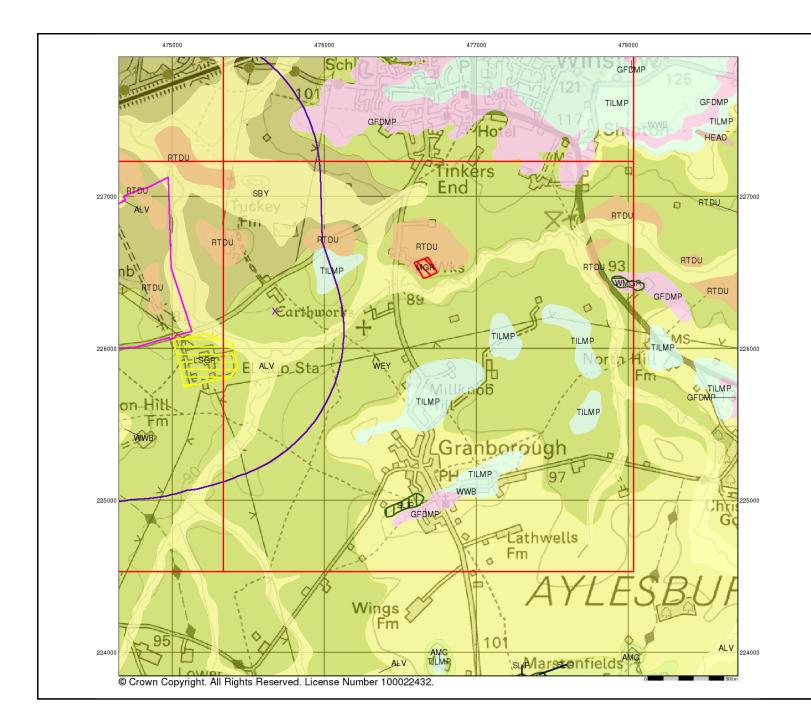
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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#### **Combined Surface Geology**

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

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

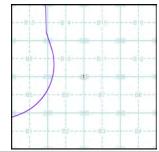
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

#### **Combined Geology Map - Slice B**





#### **Order Details:**

Order Number: Customer Reference: 342200018\_1\_1 National Grid Reference: 475670, 226250 B 61.62 Site Area (Ha): Search Buffer (m):

1000

#### Site Details:

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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# **Historical Mapping Legends**

## Gravel Pit Other Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Bench Mark Site of Antiquities Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Raised Road Sunken Road Railway over Road over Railway Ri∨er Railway over Level Crossing Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Rural District Boundary RD. Bdy.

····· Civil Parish Boundary

**Ordnance Survey County Series 1:10,560** 

## Ordnance Survey Plan 1:10,000

Erring	Chalk Pit, Cla	y Pit <i>ू</i> ैं े े े े े े े े े े े े े े े	Gravel Pit
	Sand Pit		Disused Pit or Quarry
/·······	Refuse or Slag Heap		) Lake, Loch or Pond
	Dunes	000	Boulders
<b>弁 弁</b> :	Coniferous Trees	۵ <sub>0</sub>	Non-Coniferous Trees
ቀ ቀ	orchard Ω	Scrub	Yn Coppice
ਜ ਜ ਜ	Bracken	u Heath	, , , , , , Rough Grassland
<u> </u>	- Marsh '''	√//, Reeds	스 <u>노</u> 소 Saltings
		Direction of Flow o	f Water
	Building	1/	Shingle
		, #// <u>::</u>	
	Glasshouse		Sand
<u>&gt;&lt;&gt;</u>	Glassilouse		
		Pylon	Electricity
шшш			Transmission
	Sloping Masonry	Pole	Line
			. <b>_</b>
Cutting	n Emb	ankmont	
		ankment	
••	***************************************		Walipic Track
_ <del></del>	<u>U</u>		⊣⊨ Standard Gauge
Road ' Under	''∏''' Road // Over	Level \\ Foot Crossing Bridg	
			Siding, Tramway
			or Mineral Line
++		+ + + +	→ Narrow Gauge
	Geographic	al County	
	— — Administra	tive County, County of City	Borough
		Borough, Urban or F istrict Council	Rural District,
		Burgh or County Co when not coincident wit	
	Civil Parish Shown altern	ately when coincidence	e of boundaries occurs
пр пе	Boundan, Boot or Ct-	one Pol Sta	Paline Station
BP, BS Ch	Boundary Post or Sto Church	one Poista PO	Police Station Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	тсв	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
			10(+II

## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock	3	Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
********	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
_•-•	County boundary (England only)	• • • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
a <sup>a</sup> **	Area of wooded vegetation	۵ <sup>۵</sup>	Non-coniferous trees
۵ ۵	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	Ċ̈́	Positioned tree
4 4 4 4	Orchard	* *	Coppice or Osiers
attı,	Rough Grassland	www.	Heath
On_	Scrub	<u>⊿</u> <u>\</u> \\'L	Marsh, Salt Marsh or Reeds
5	Water feature	<b>← ←</b>	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)	<b></b>	Electricity transmission line (with poles)
← BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)	$\boxtimes$	Pylon, flare stack or lighting tower
•‡•	Site of (antiquity)		Glasshouse
	General Building		Important

Building

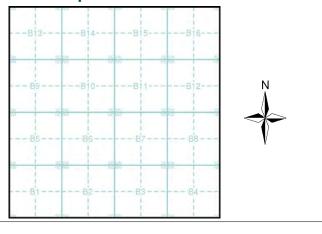
# **Envirocheck®**

LANDMARK INFORMATION GROUP\*

### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Buckinghamshire	1:10,560	1883 - 1885	2
Buckinghamshire	1:10,560	1900	3
Buckinghamshire	1:10,560	1926	4
Historical Aerial Photography	1:10,560	1947	5
Buckinghamshire	1:10,560	1952	6
Ordnance Survey Plan	1:10,000	1958	7
Ordnance Survey Plan	1:10,000	1985	8
10K Raster Mapping	1:10,000	1999	9
10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2024	11

## **Historical Map - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358
National Grid Reference: 475670, 226250

Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

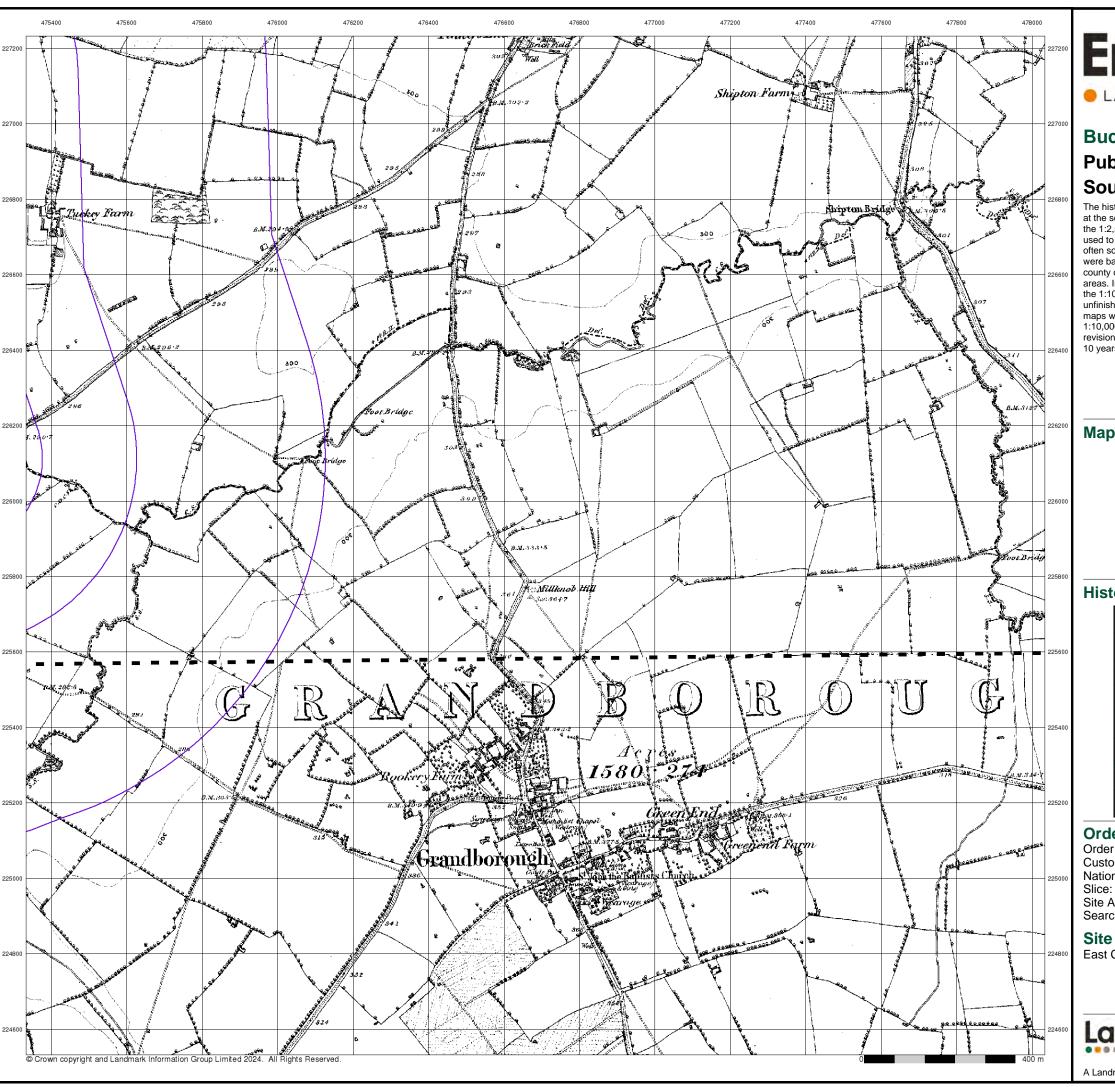
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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

A Landmark Information Group Service v50.0 10-Apr-2024 Page 1 of 11



# Envirocheck

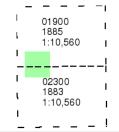
LANDMARK INFORMATION GROUP\*

## Buckinghamshire

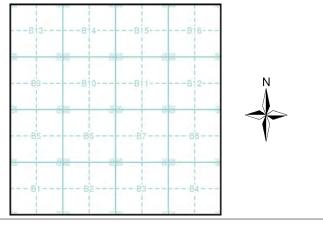
## Published 1883 - 1885 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358

National Grid Reference: 475670, 226250

B

Site Area (Ha): 61.62 Search Buffer (m): 1000

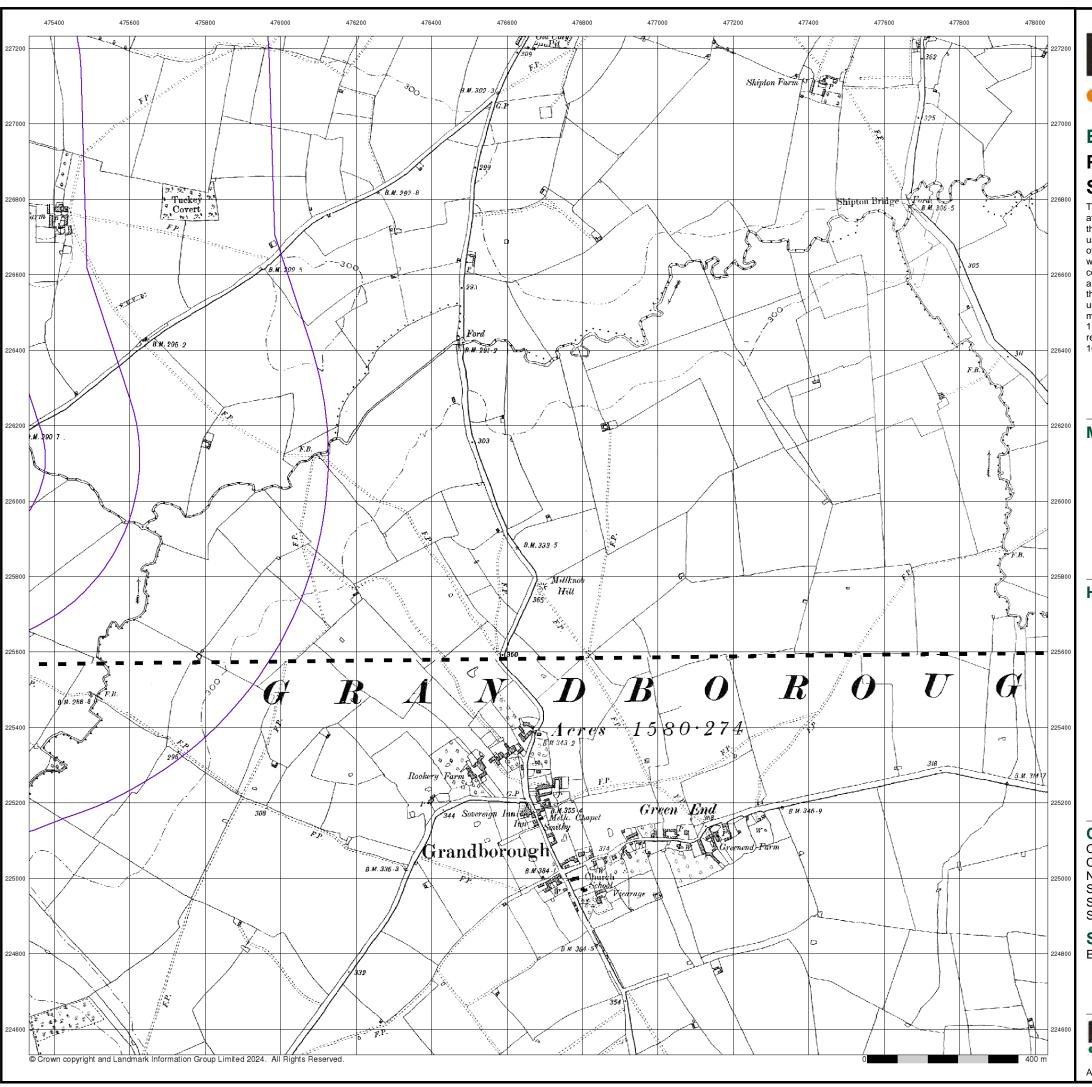
#### **Site Details**

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 2 of 11



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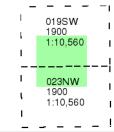
## **Buckinghamshire**

# **Published 1900**

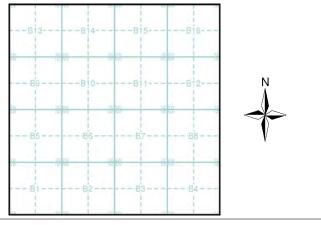
## Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475670, 226250

Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

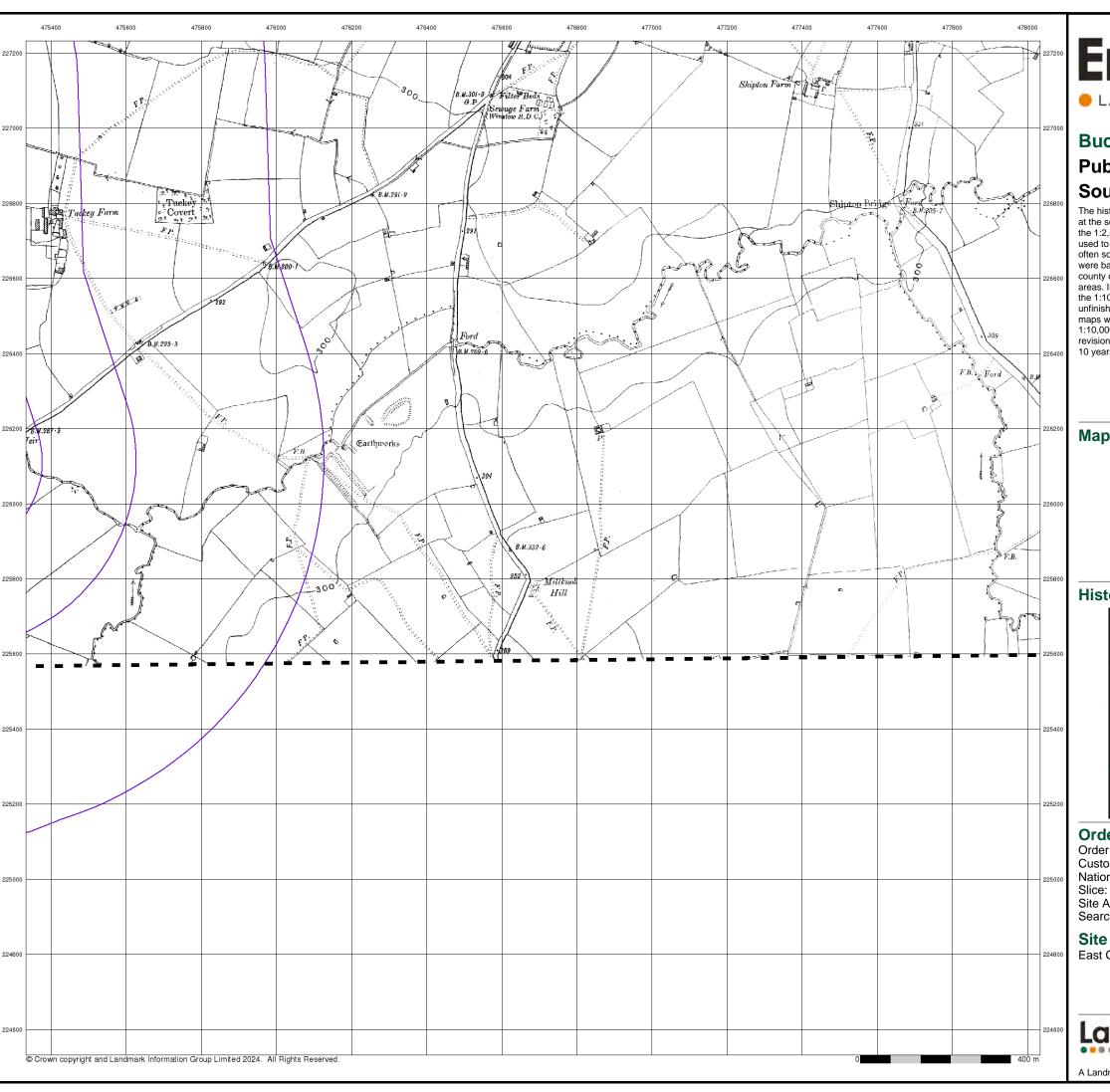
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 3 of 11



# Envirocheck®

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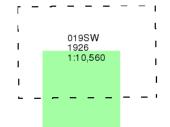
## Buckinghamshire

## Published 1926

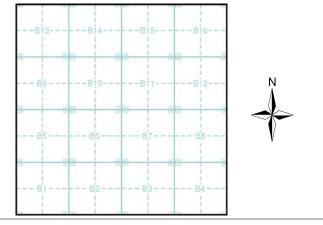
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1

Customer Ref: 3358

National Grid Reference: 475670, 226250

[

Site Area (Ha): 61.62 Search Buffer (m): 1000

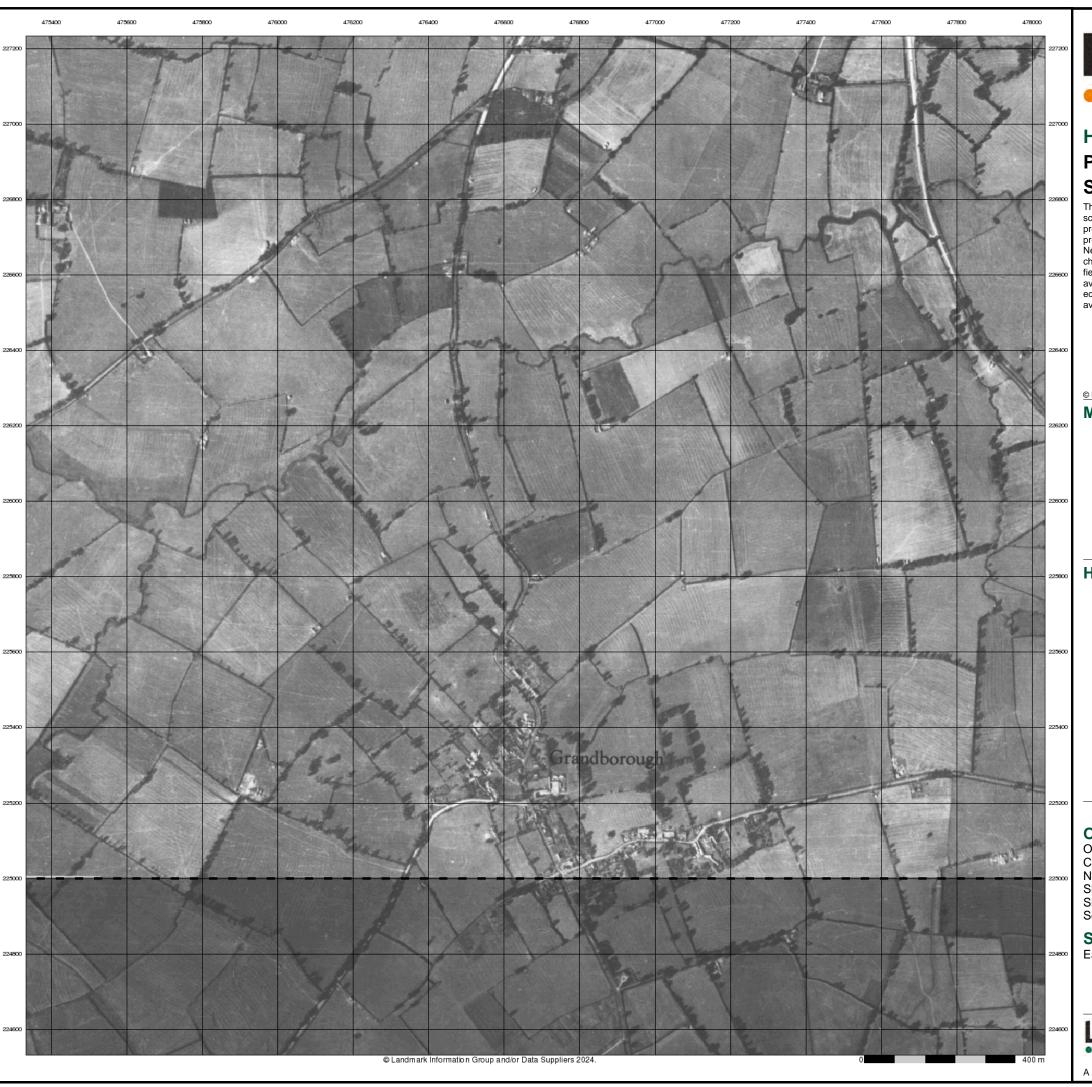
#### **Site Details**

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 4 of 11



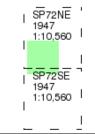
LANDMARK INFORMATION GROUP\*

## **Historical Aerial Photography Published 1947** Source map scale - 1:10,560

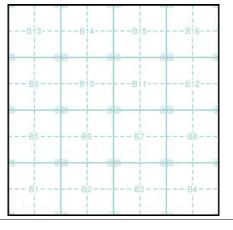
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due 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 - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1

Customer Ref: National Grid Reference: 475670, 226250

Slice:

Site Area (Ha): Search Buffer (m): 61.62 1000

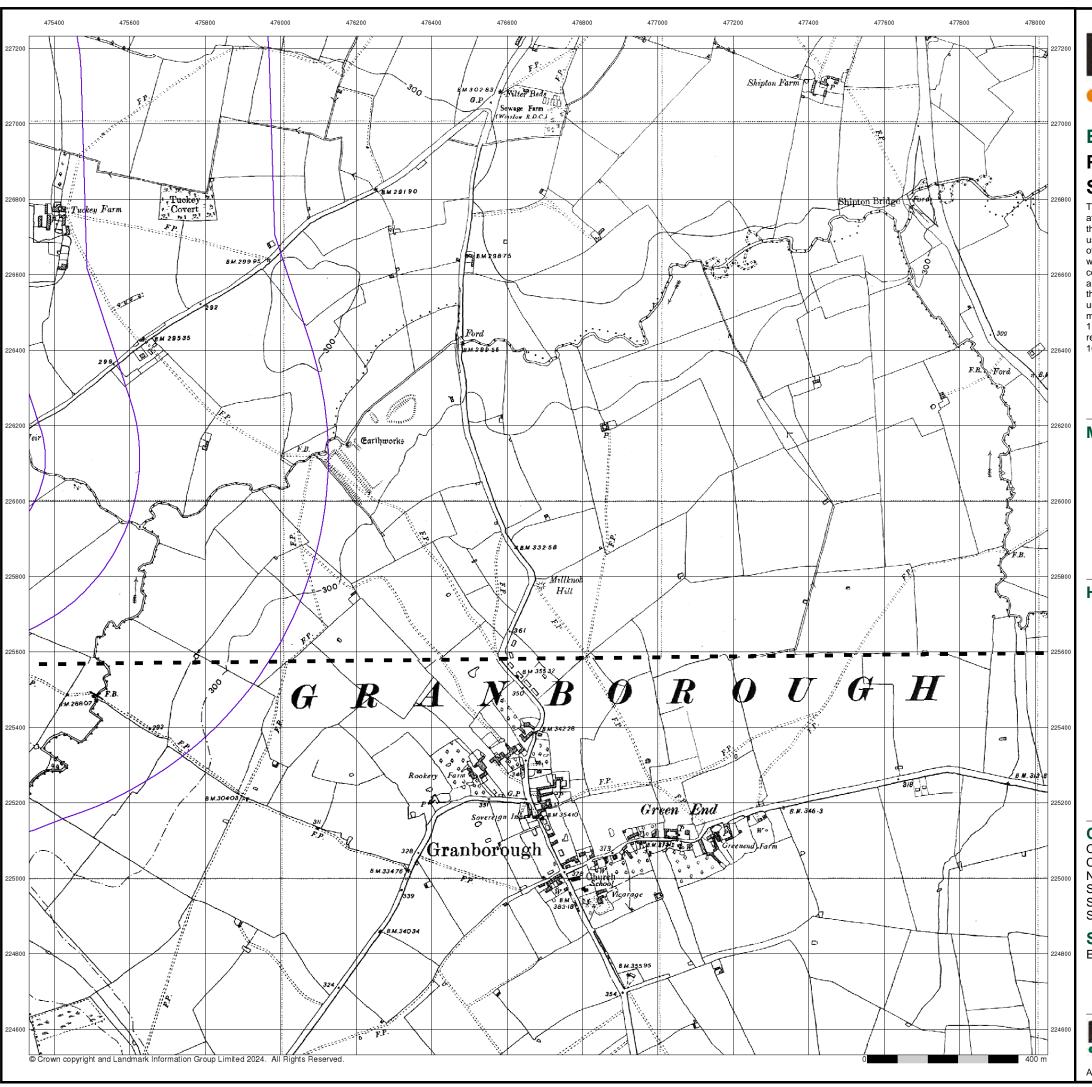
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



0844 844 9952

A Landmark Information Group Service v50.0 10-Apr-2024 Page 5 of 11



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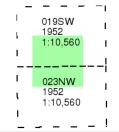
## Buckinghamshire

## **Published 1952**

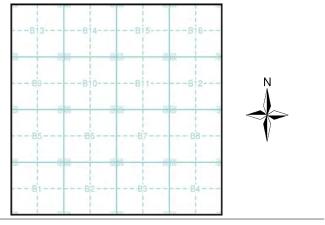
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## Map Name(s) and Date(s)



## **Historical Map - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358

National Grid Reference: 475670, 226250

Slice: B

Site Area (Ha): 61.62 Search Buffer (m): 1000

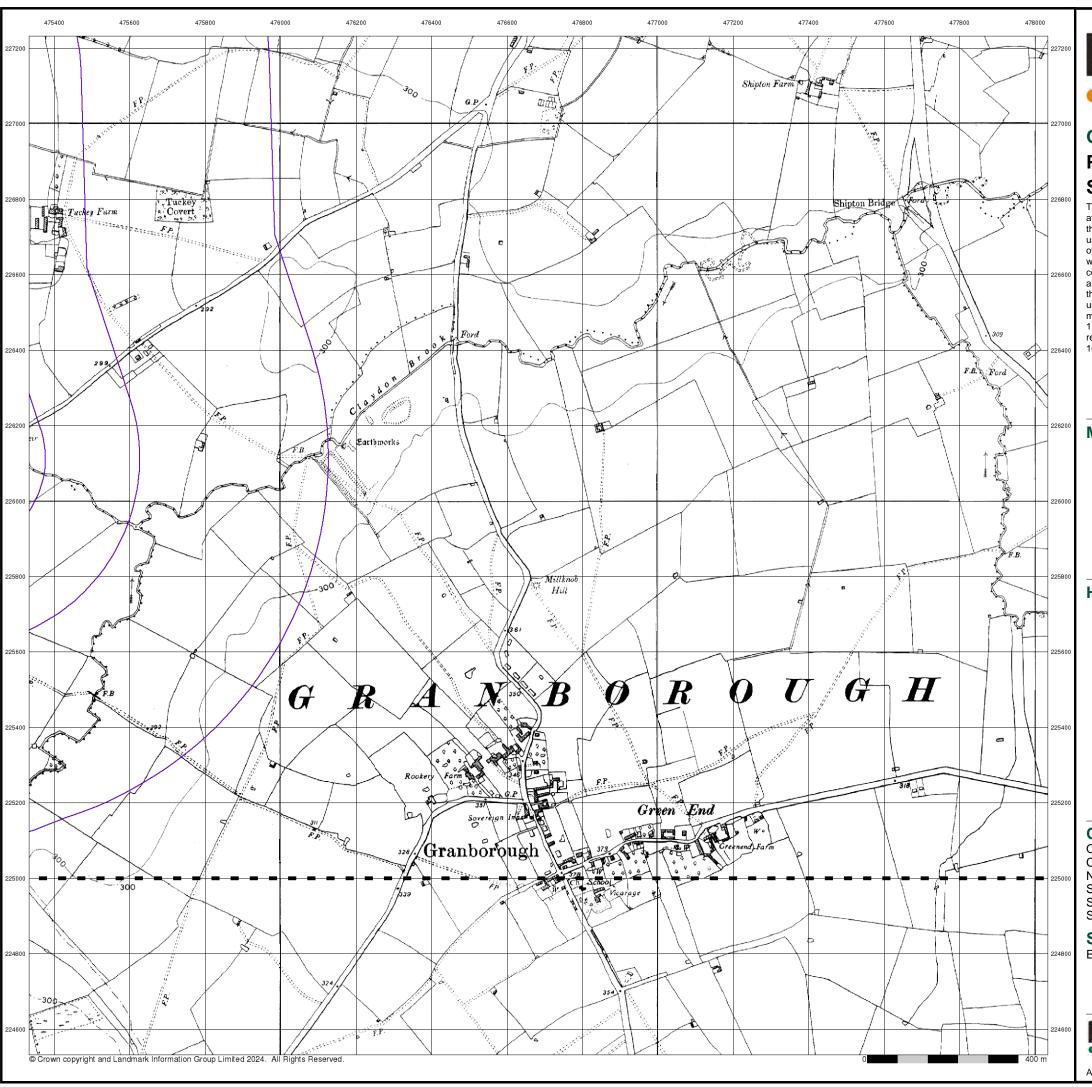
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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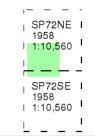
LANDMARK INFORMATION GROUP\*

## Ordnance Survey Plan Published 1958

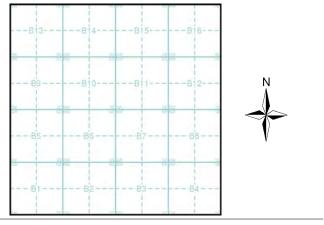
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## Map Name(s) and Date(s)



## **Historical Map - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358
National Grid Reference: 475670, 226250

Slice: B

Site Area (Ha): 61.62 Search Buffer (m): 1000

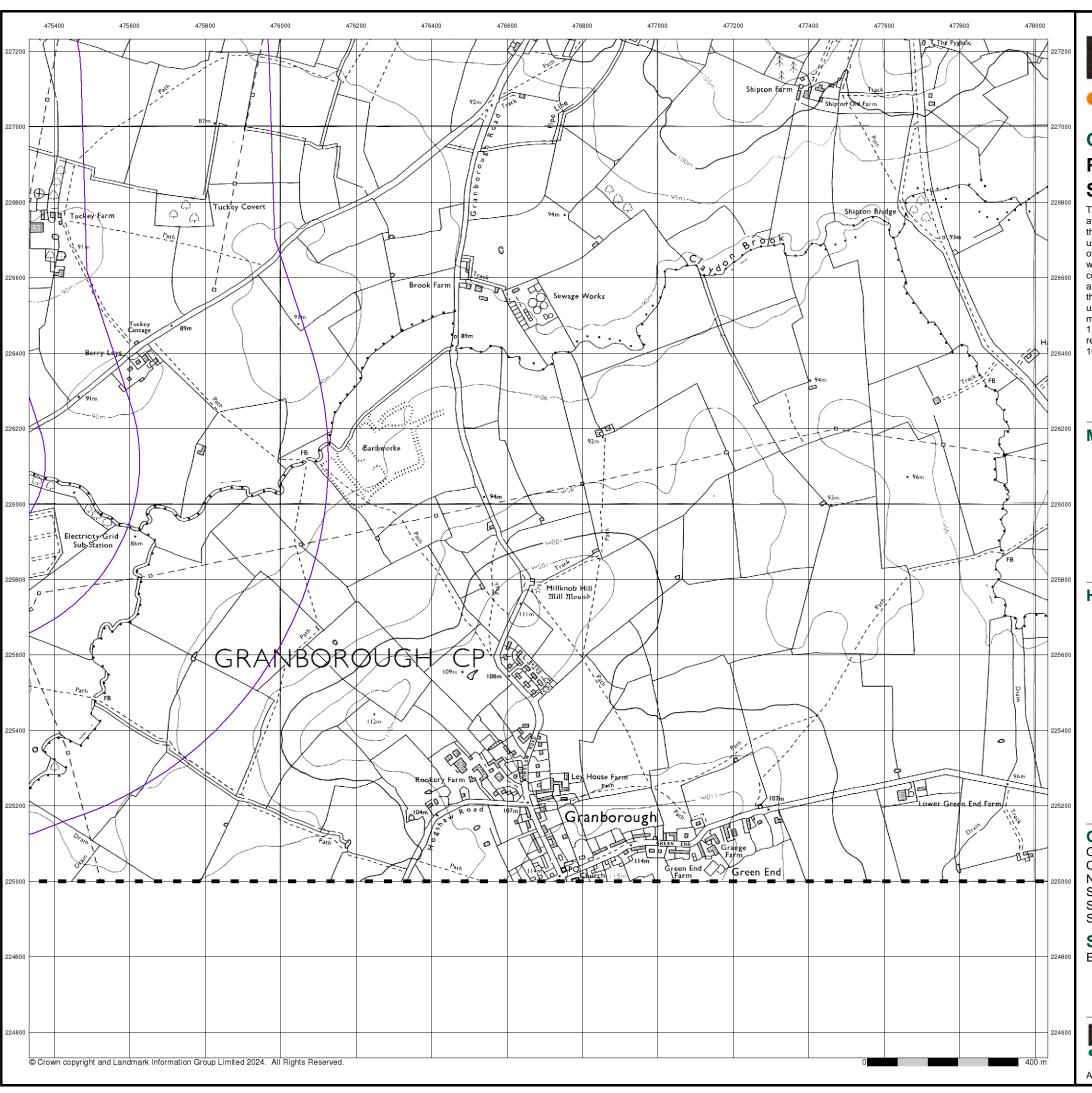
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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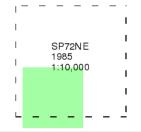
LANDMARK INFORMATION GROUP\*

## **Ordnance Survey Plan** Published 1985

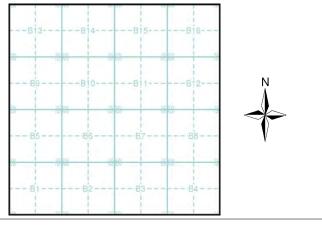
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice B**



#### **Order Details**

Order Number: 342200018\_1\_1 **Customer Ref:** 

National Grid Reference: 475670, 226250

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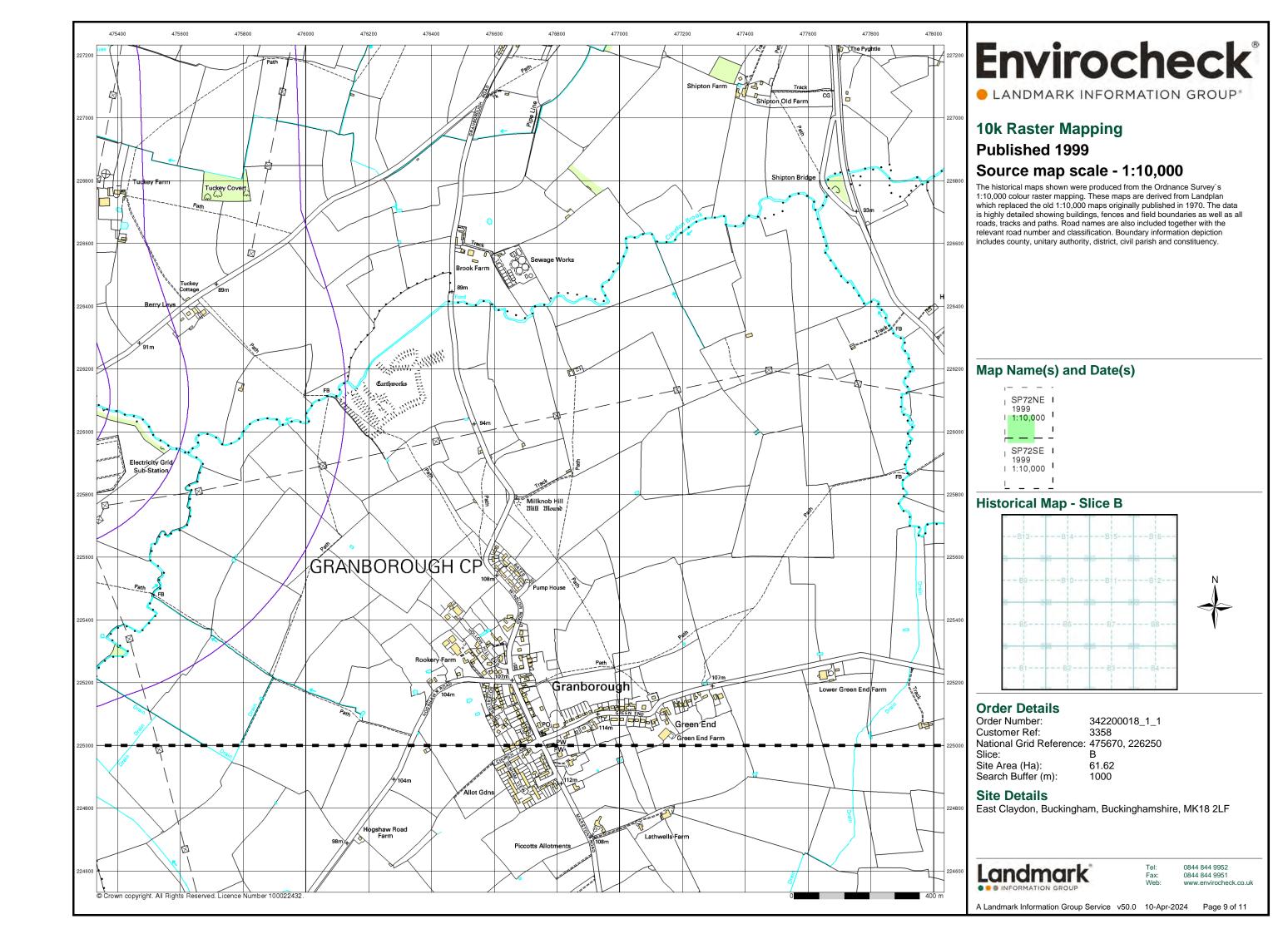
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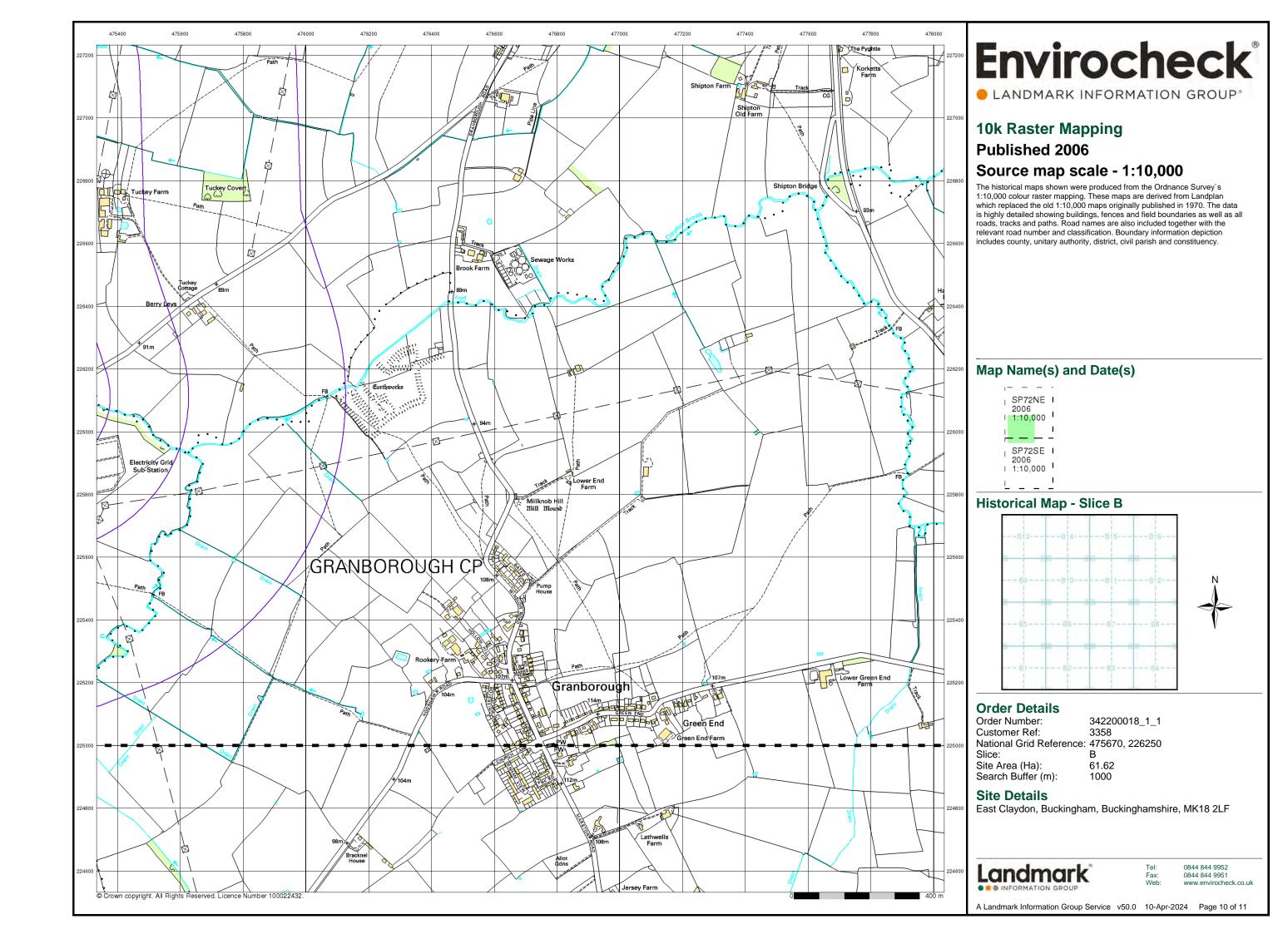
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

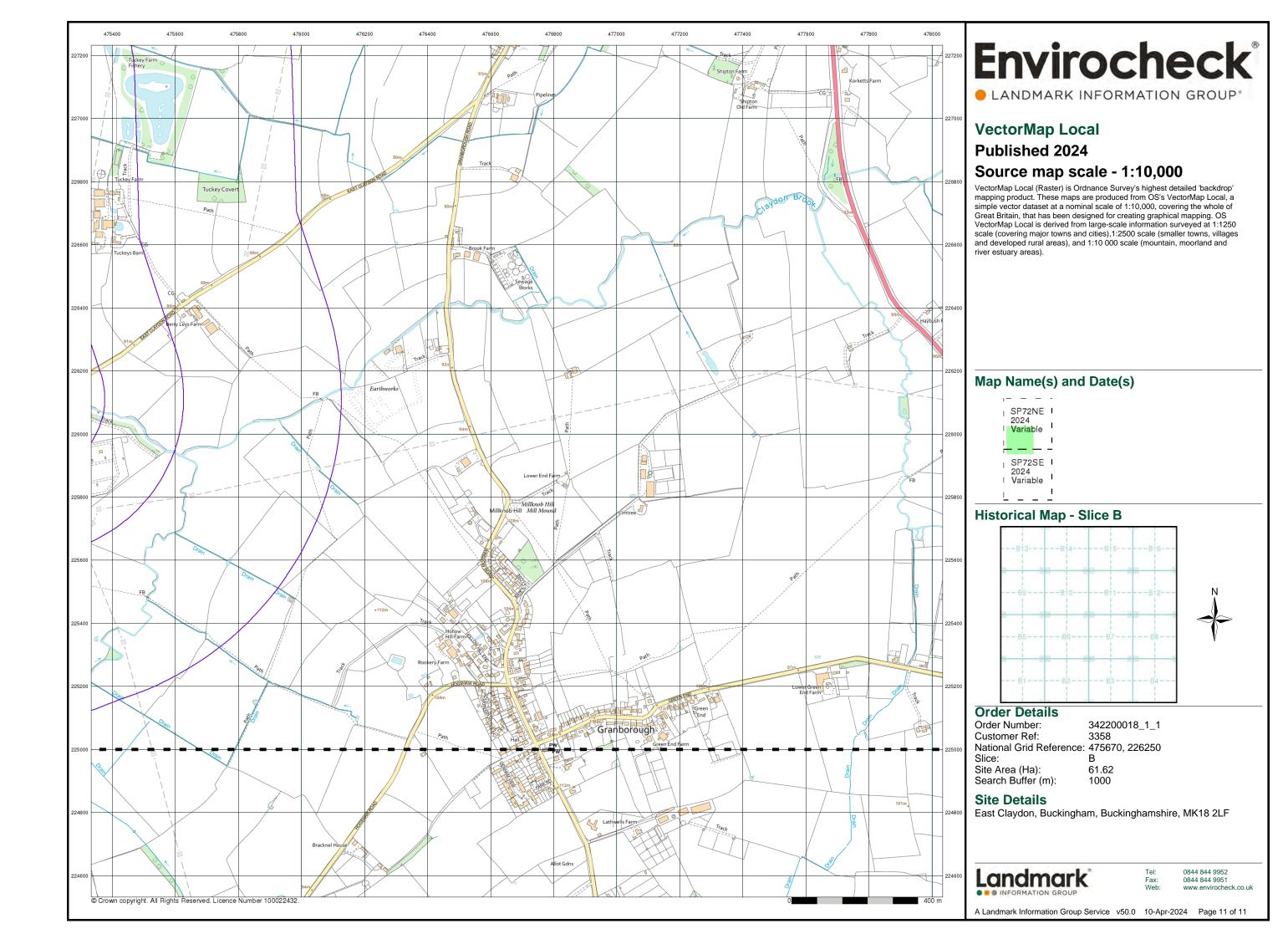


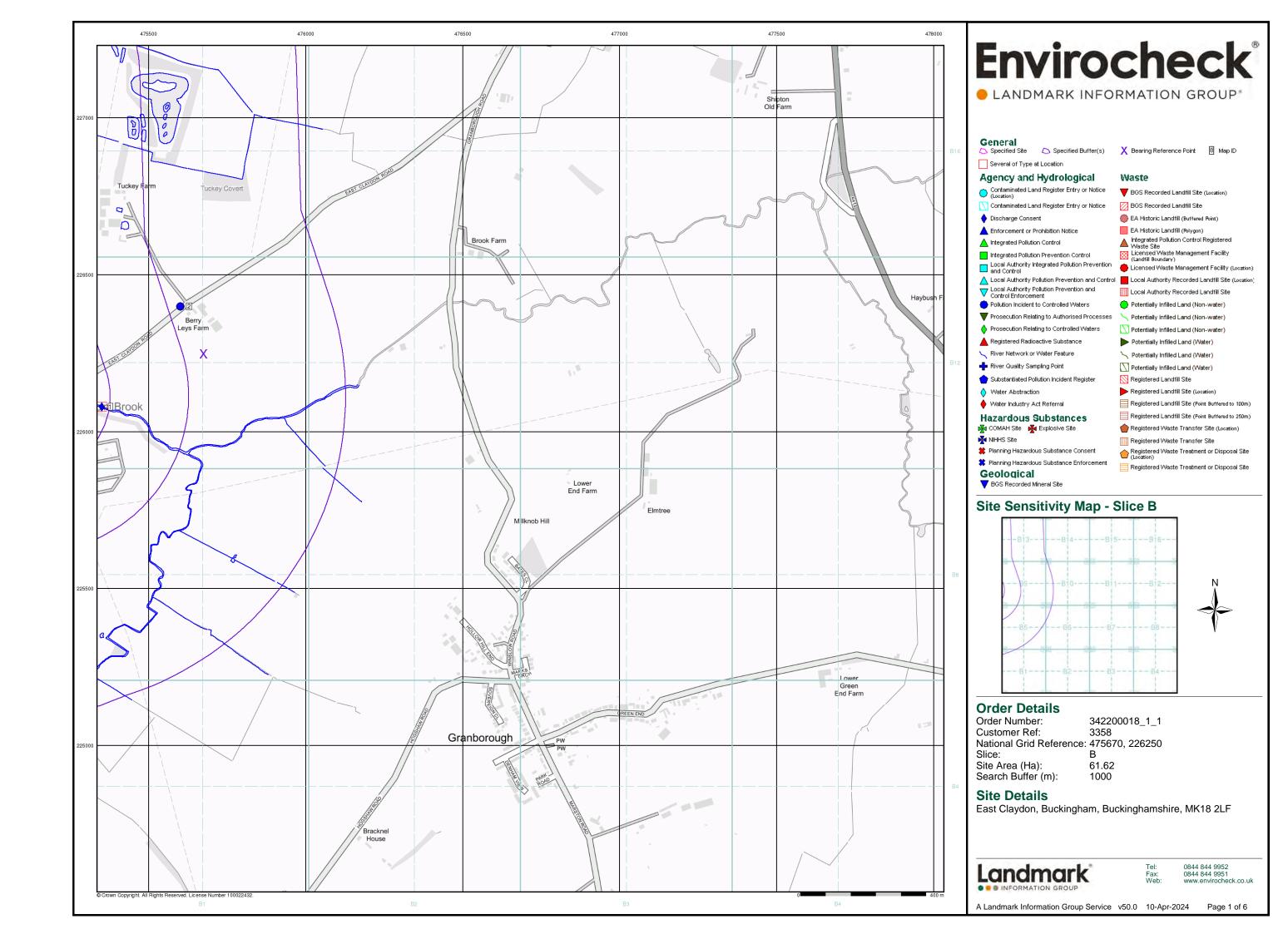
0844 844 9952

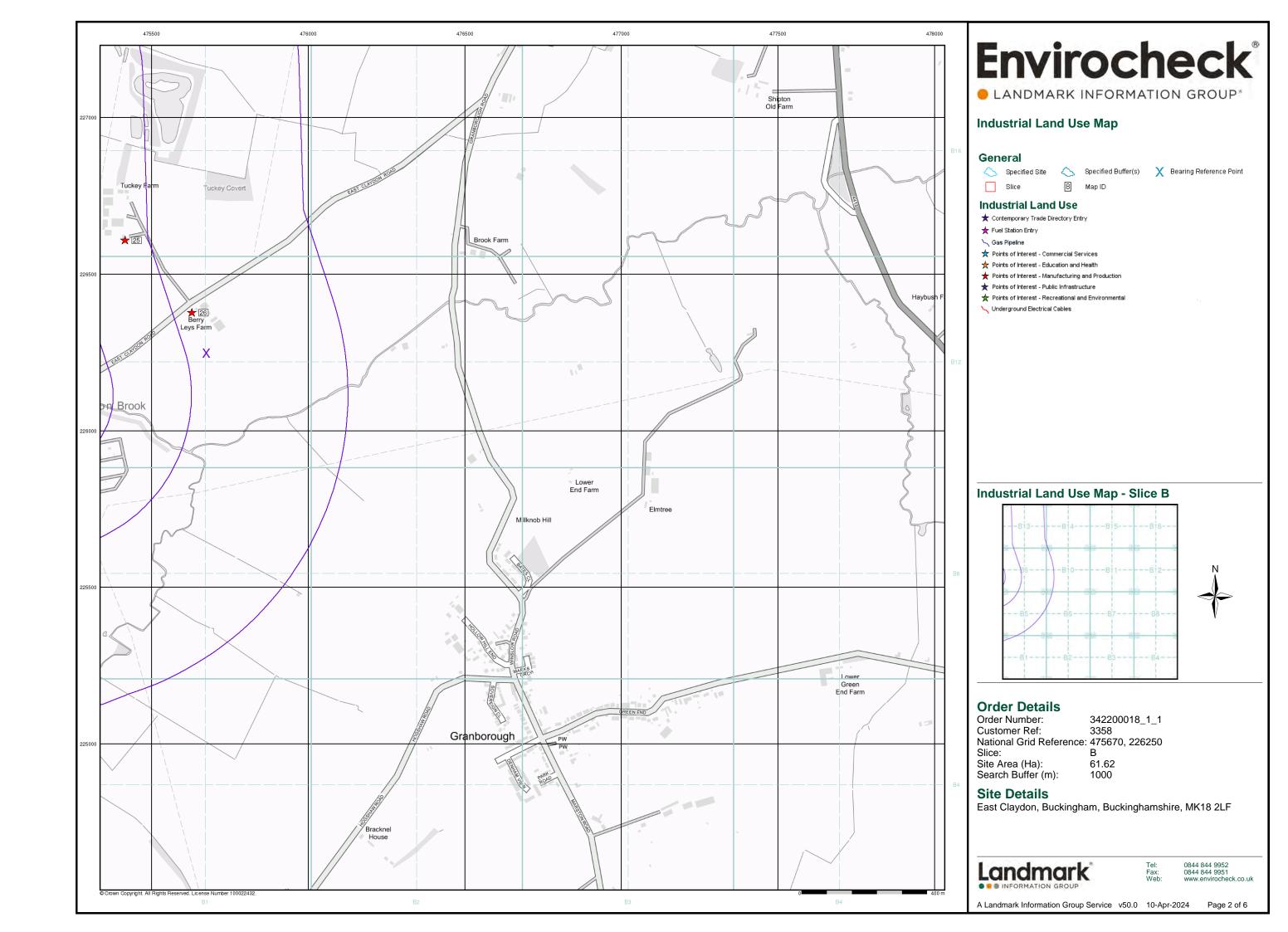
A Landmark Information Group Service v50.0 10-Apr-2024 Page 8 of 11

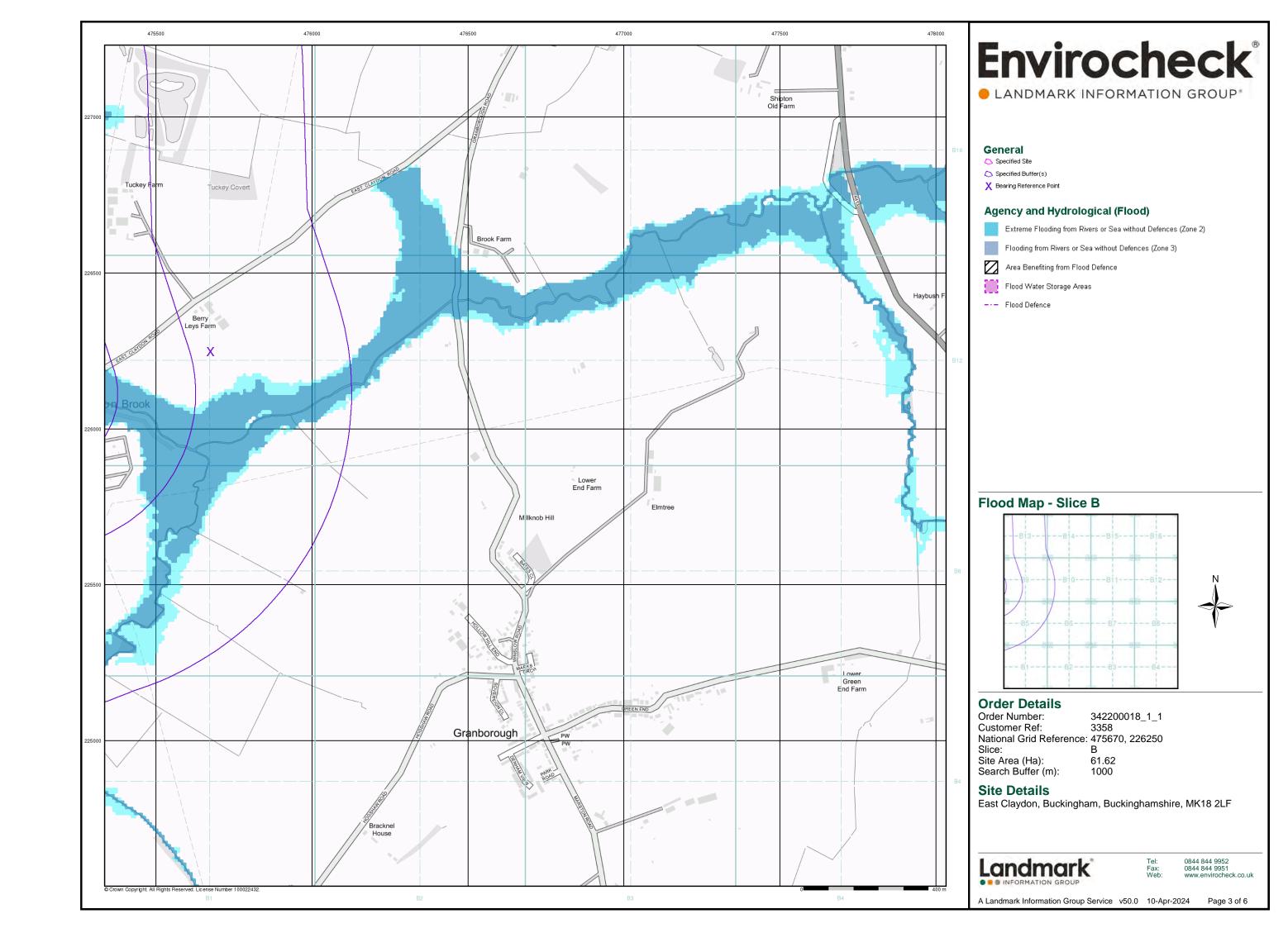


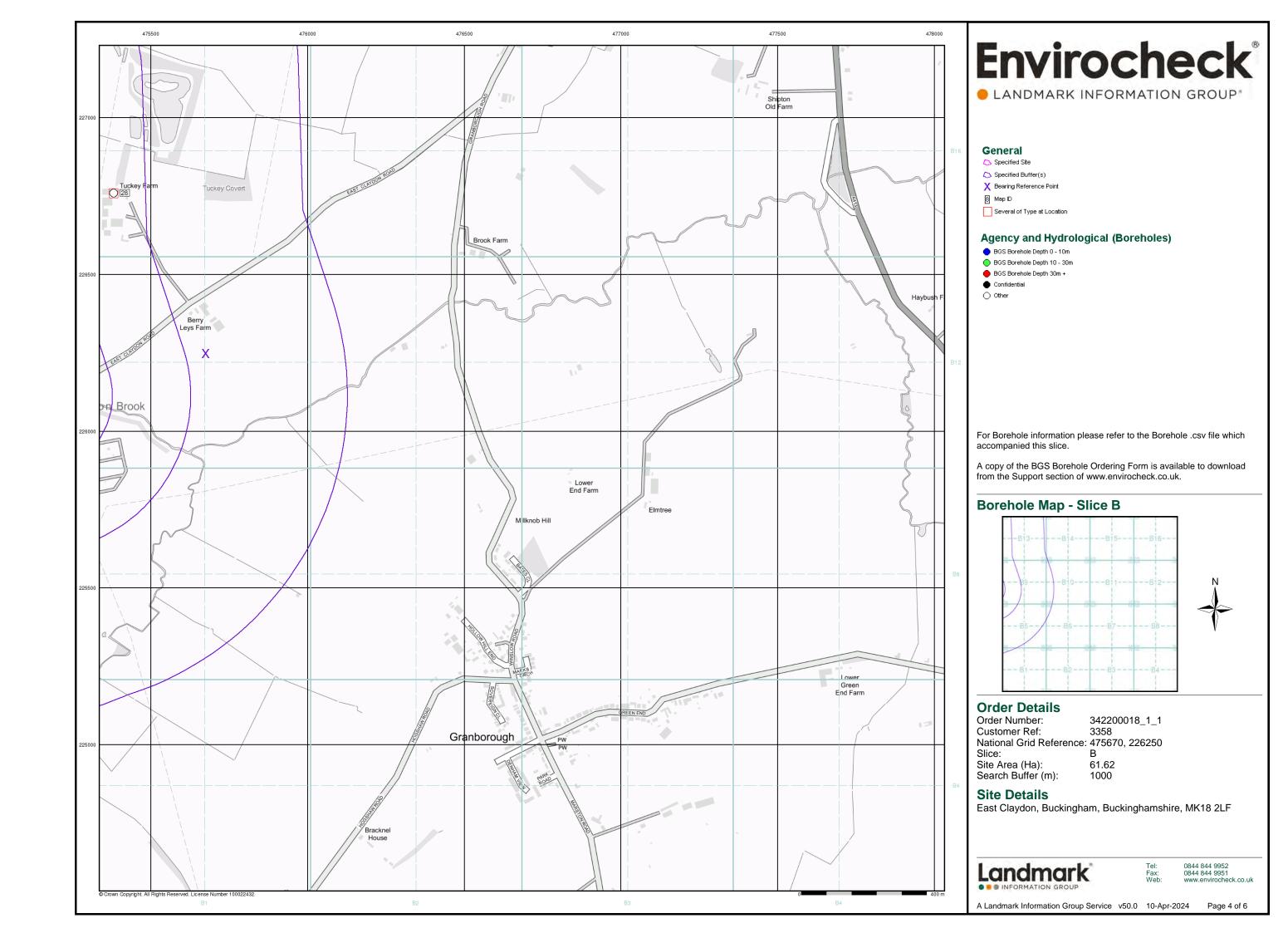


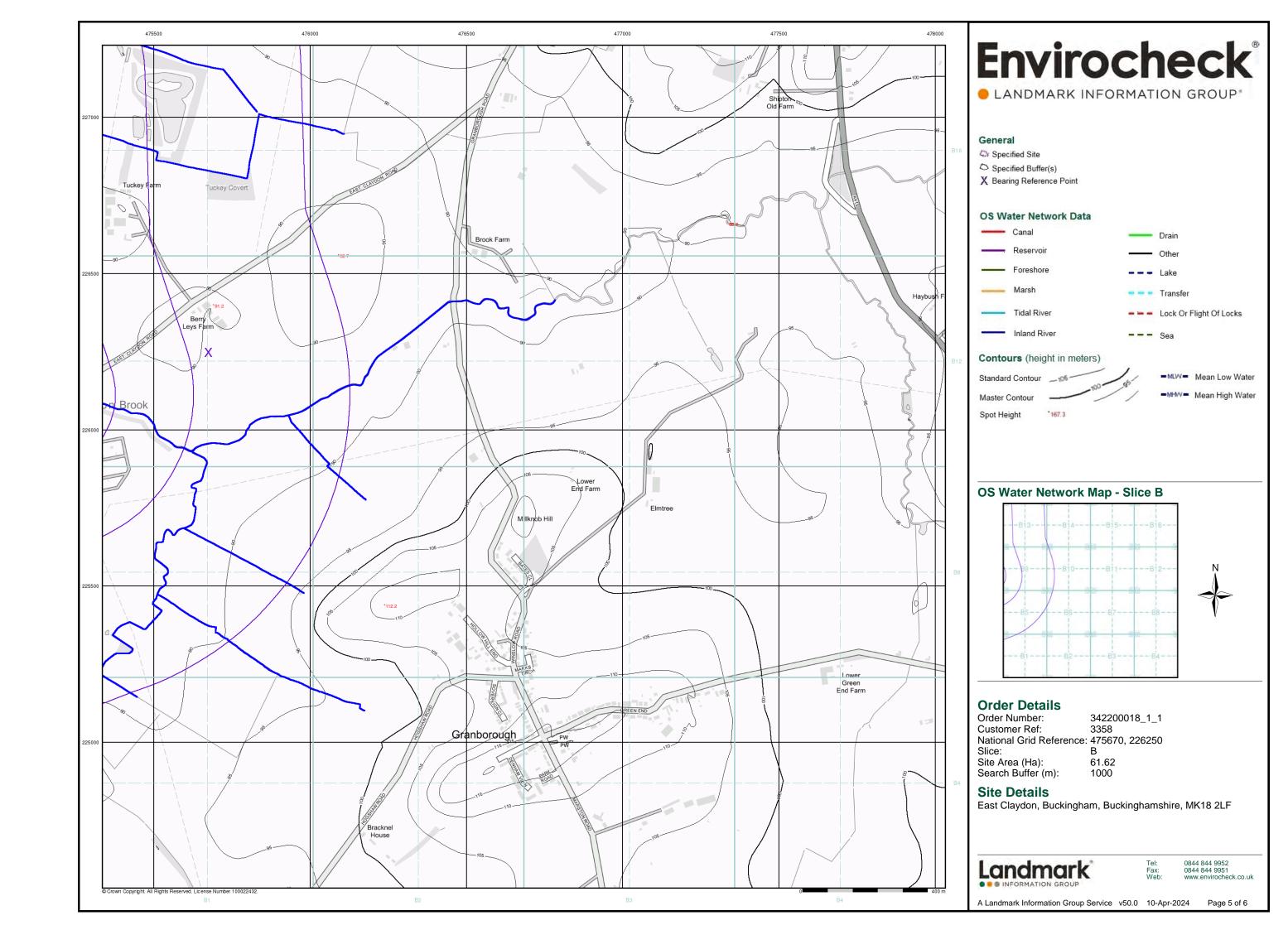


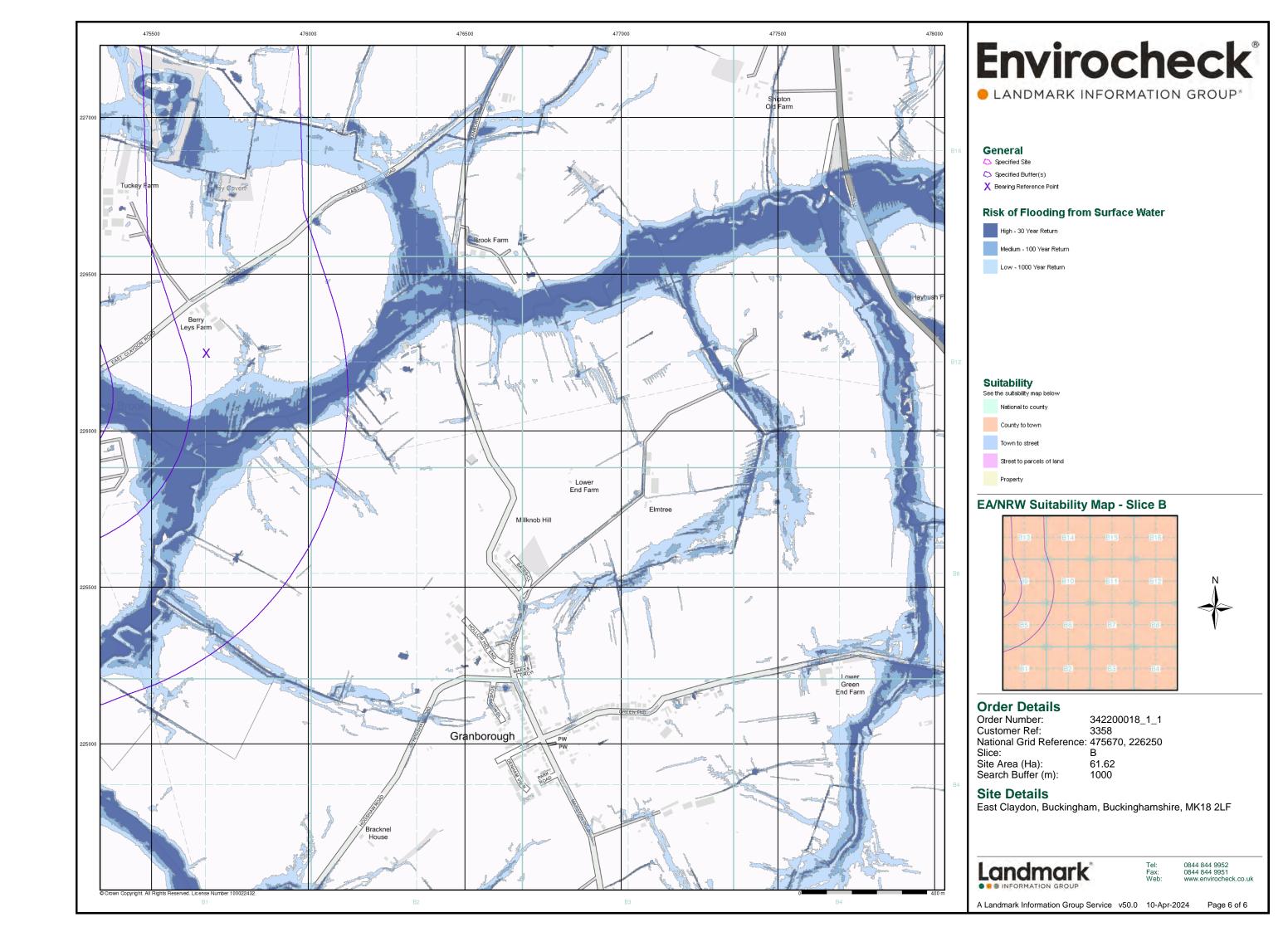


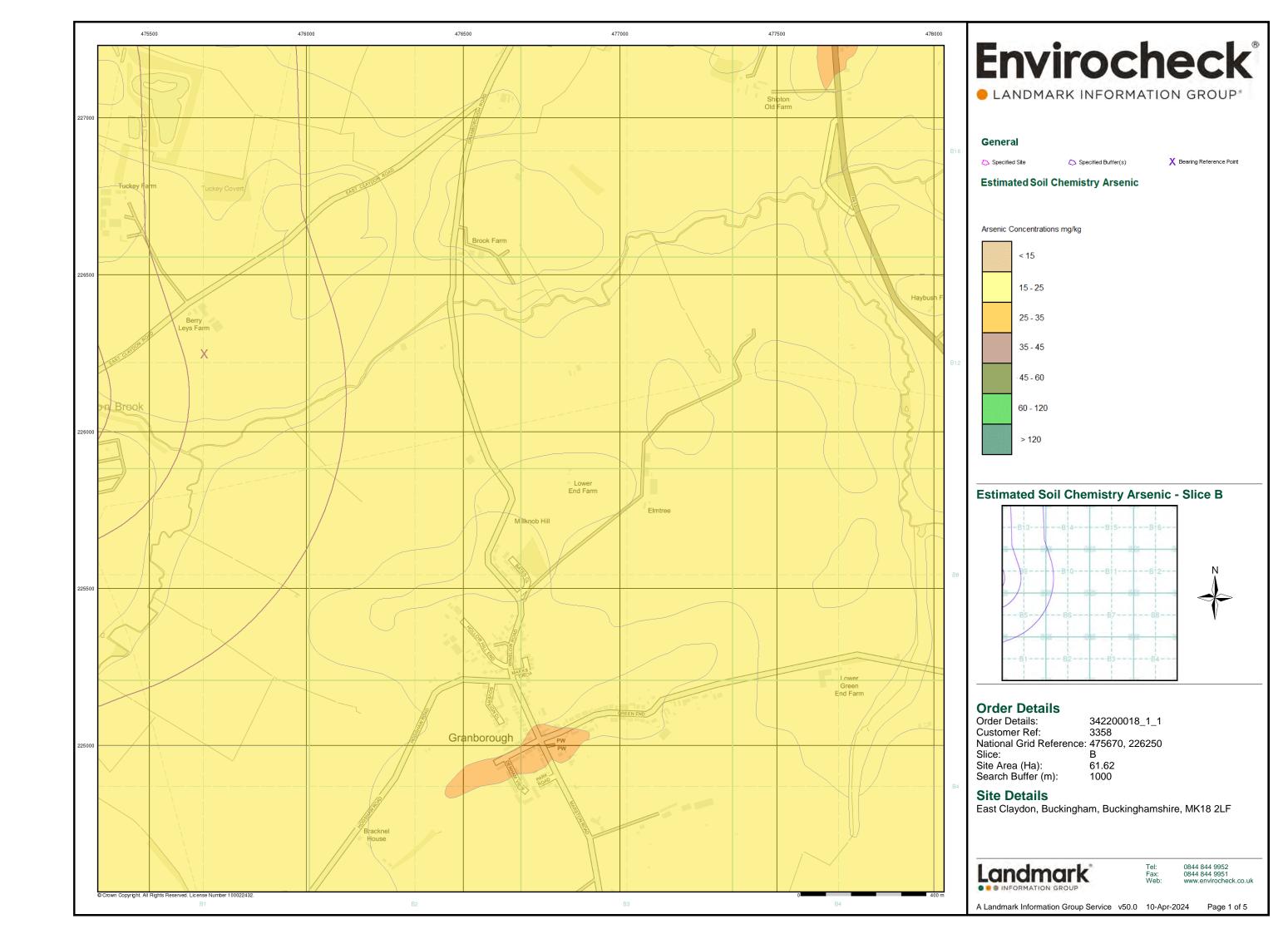


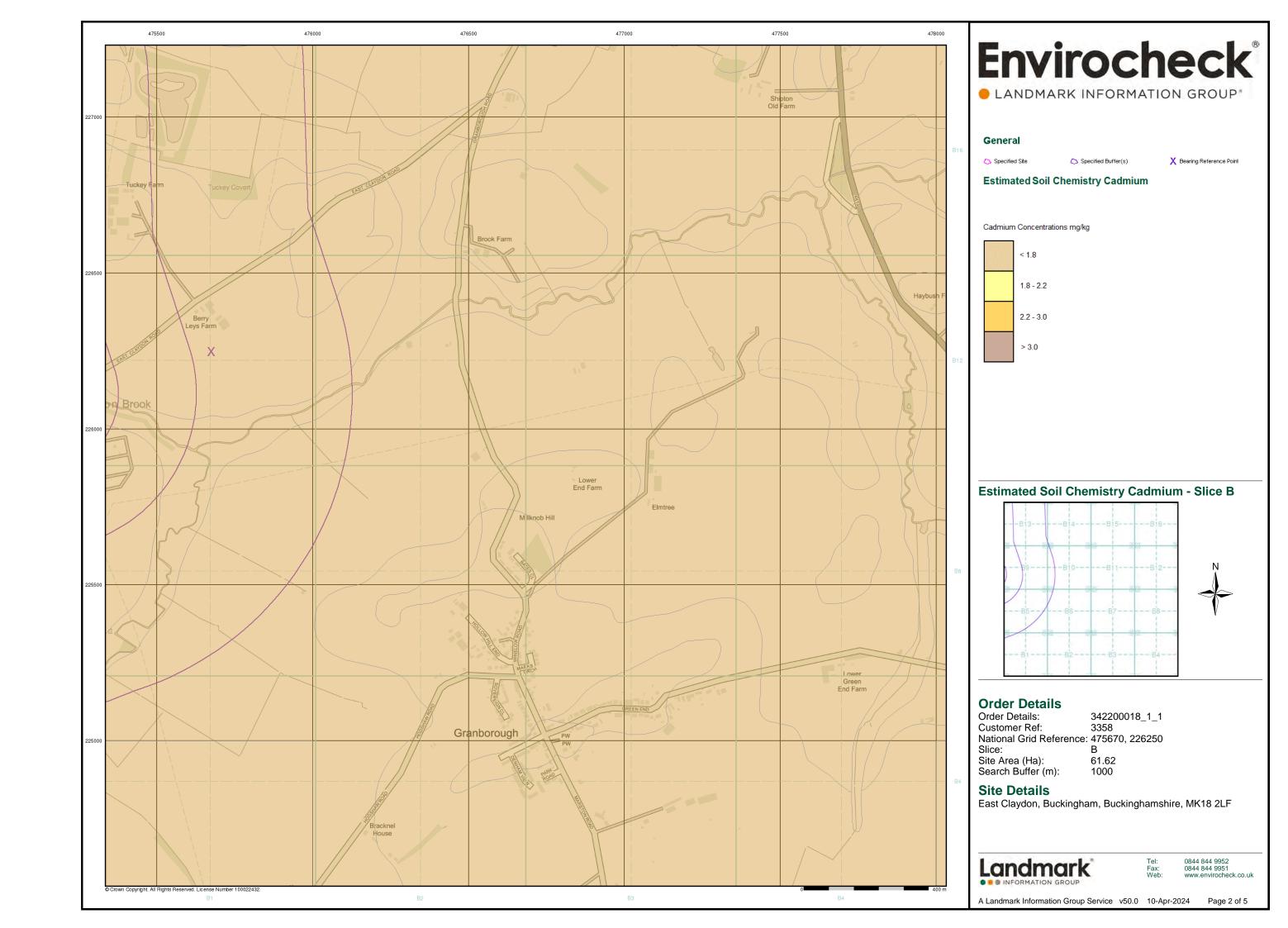


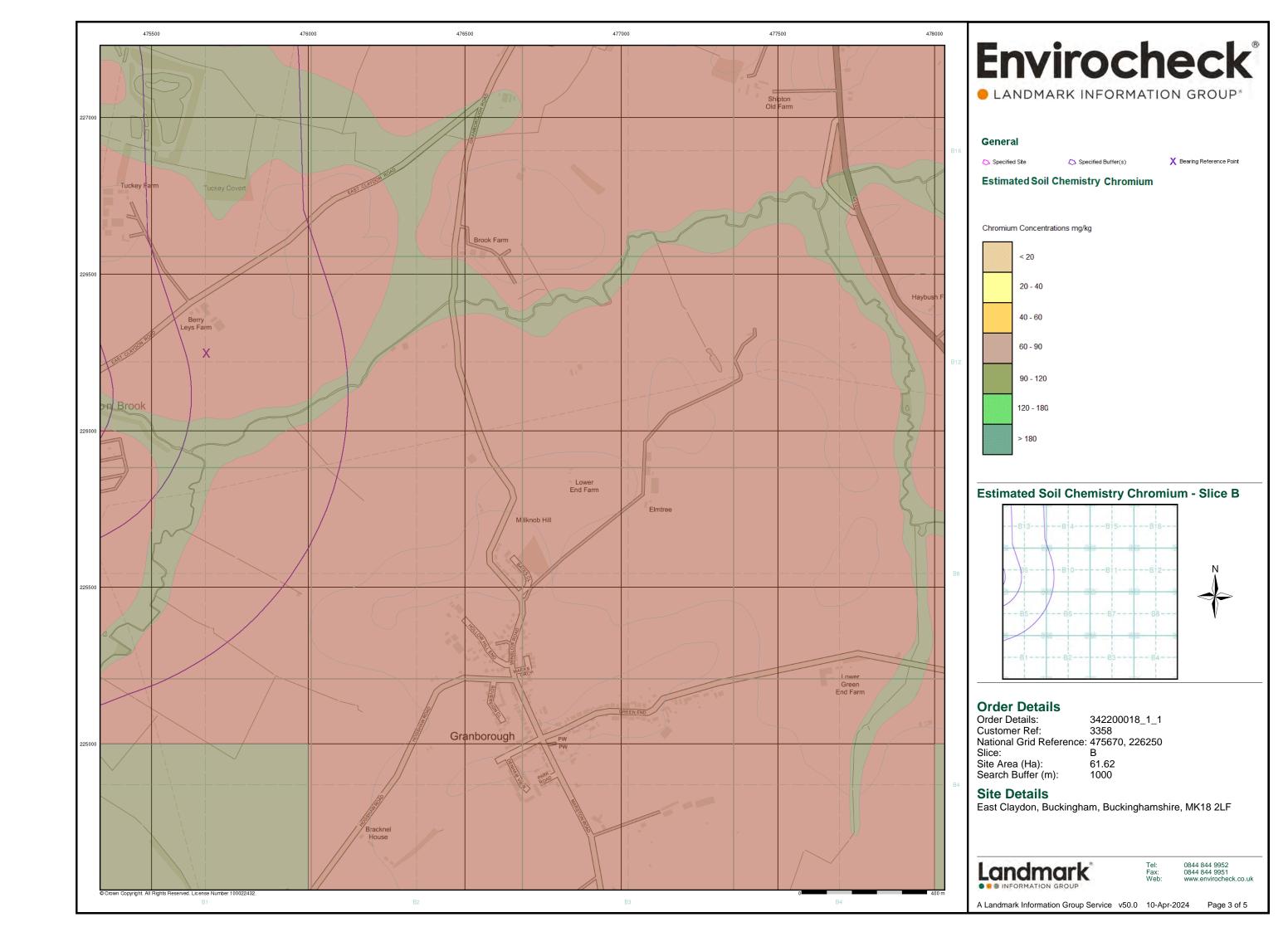


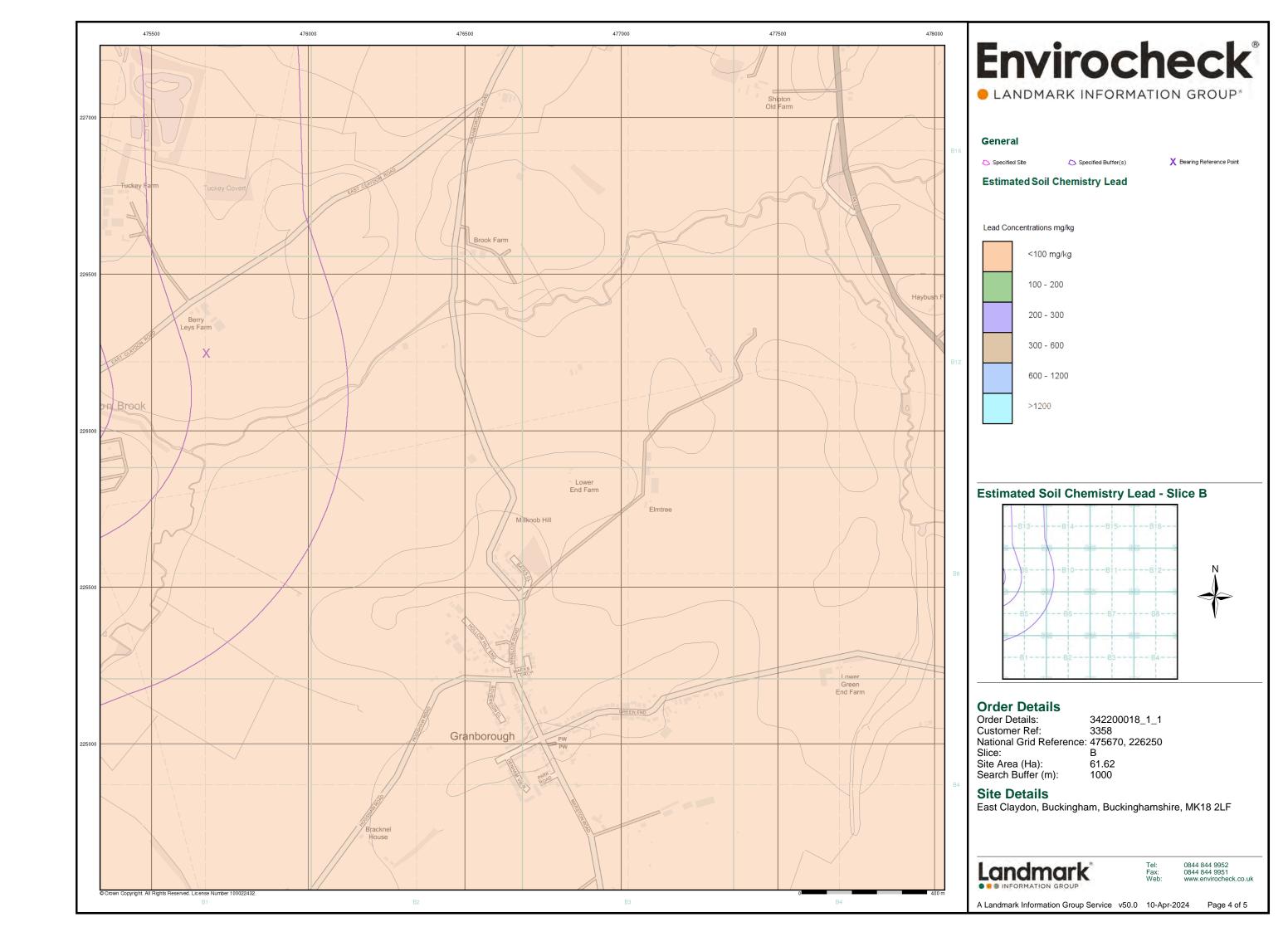


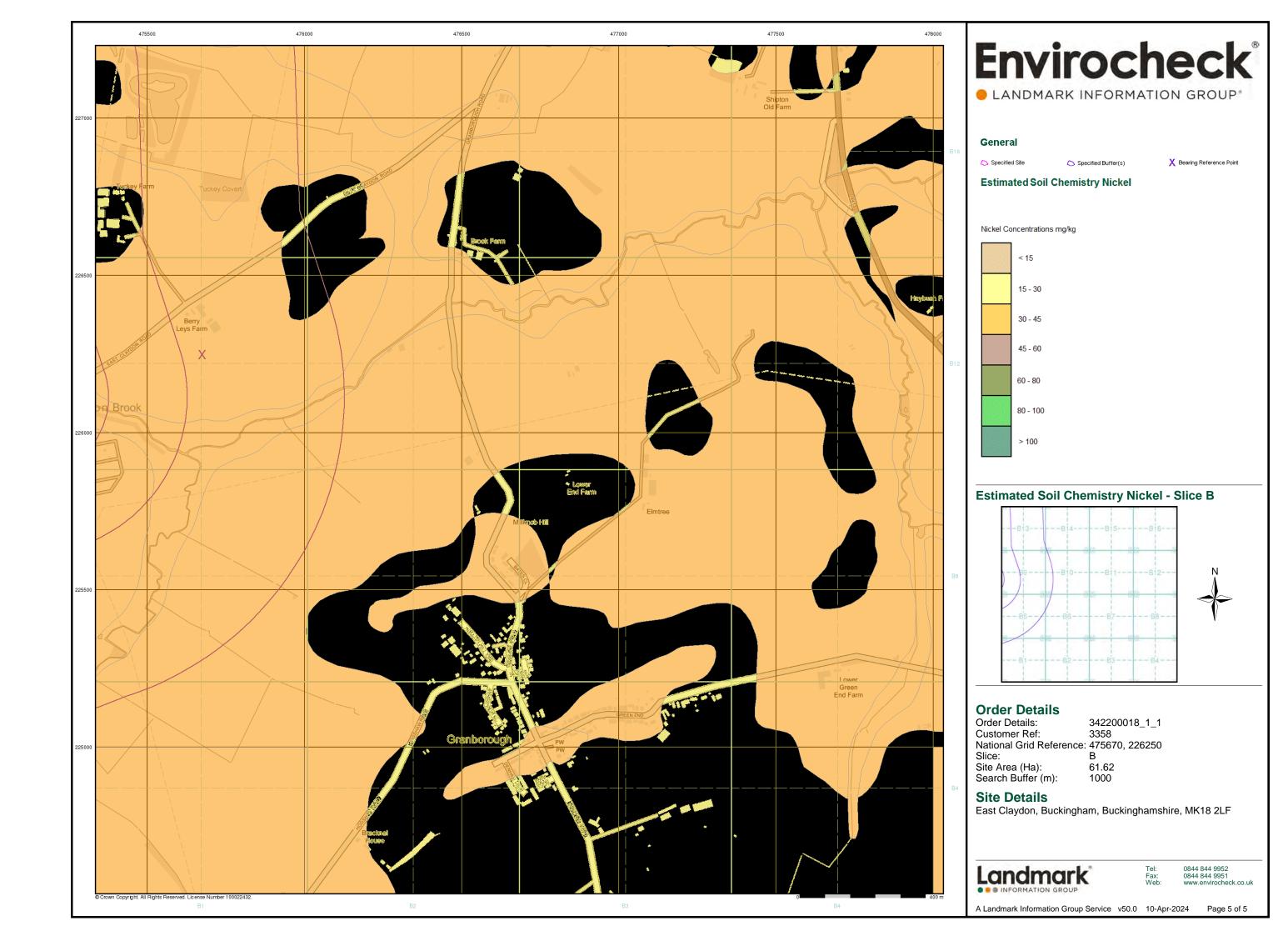


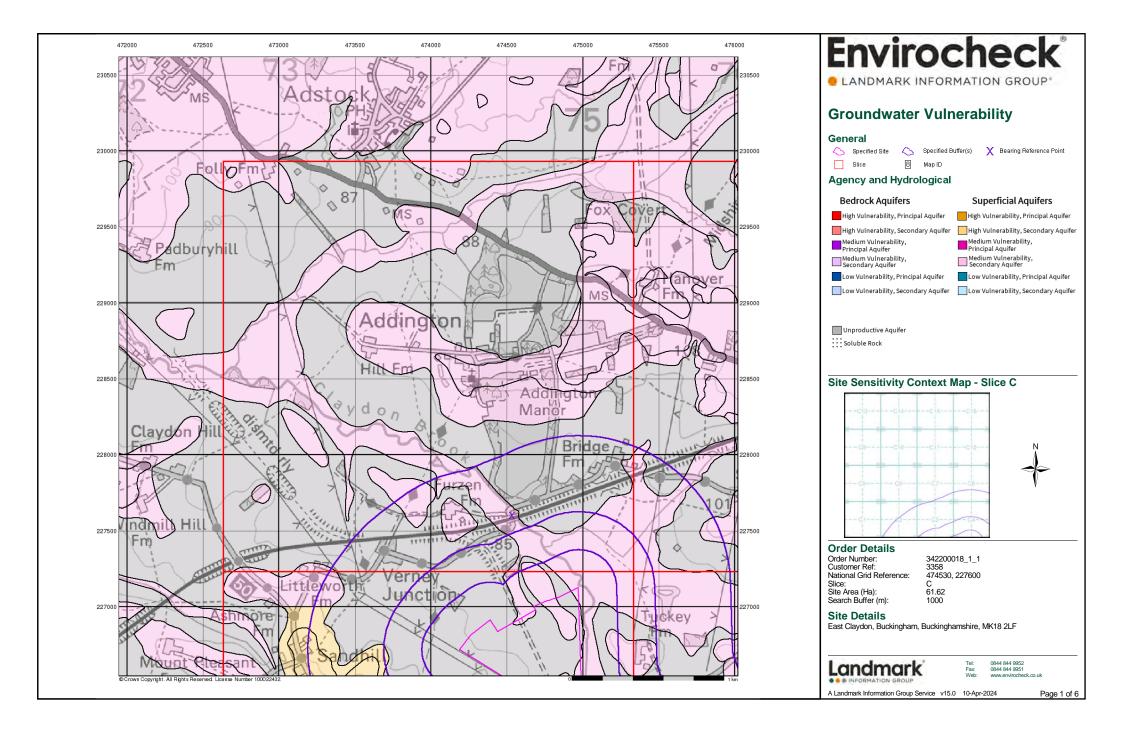


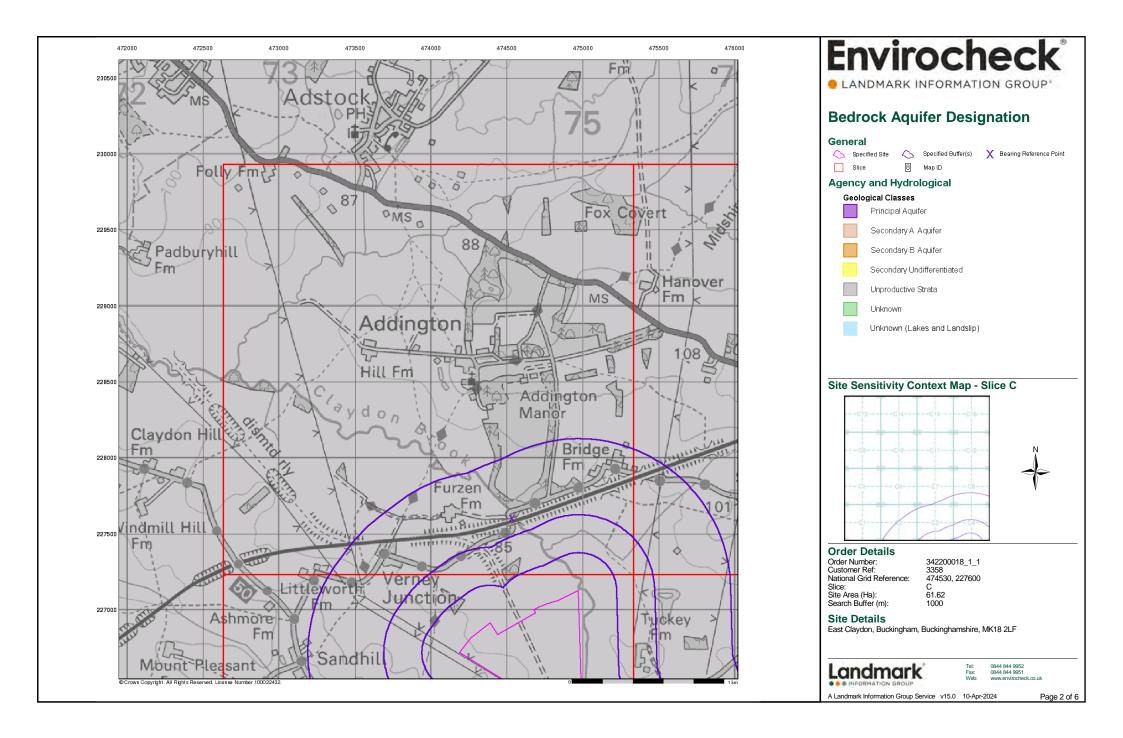


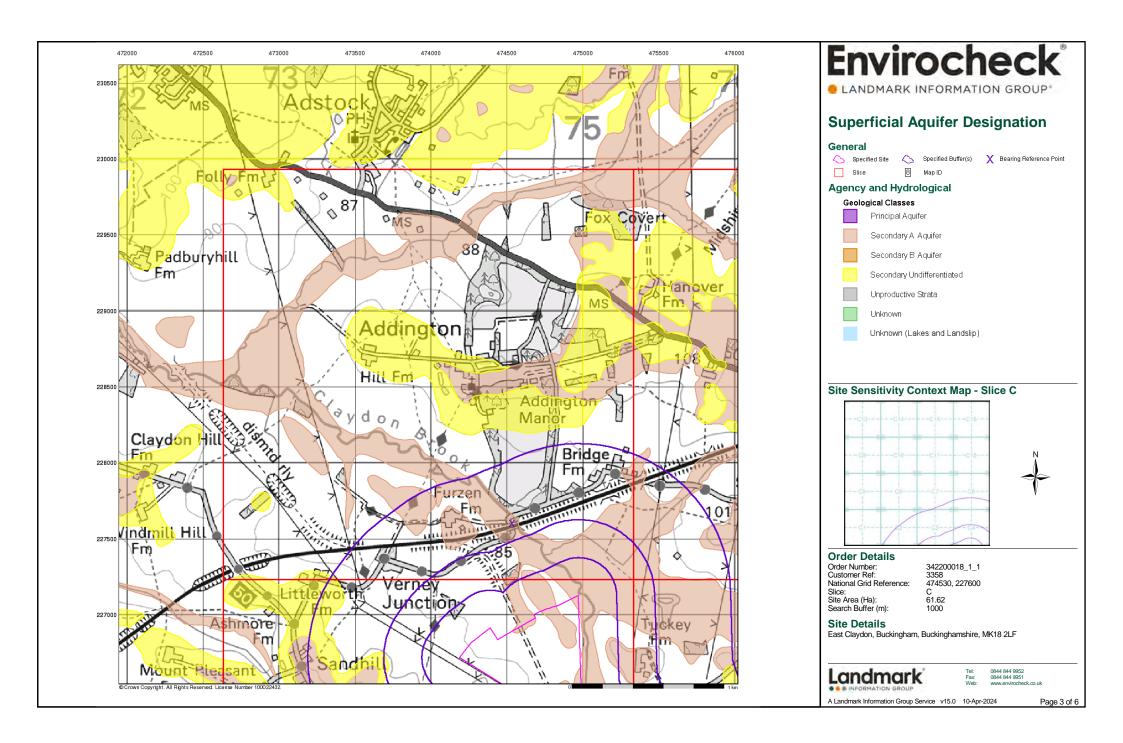


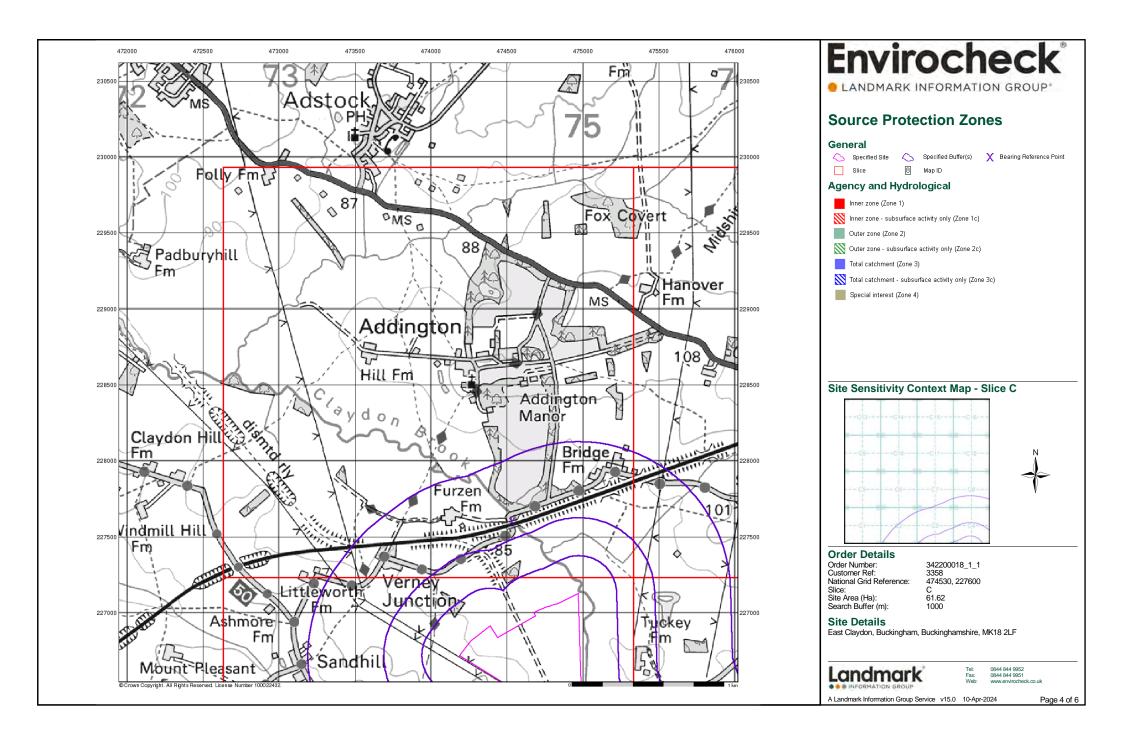


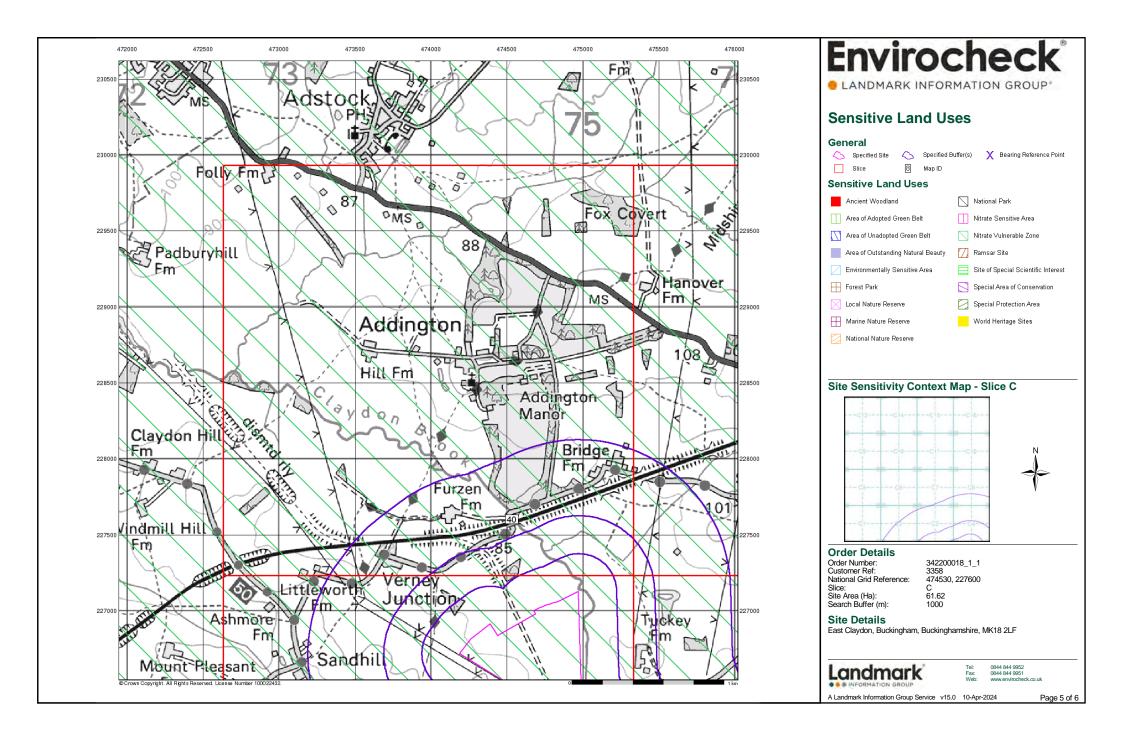


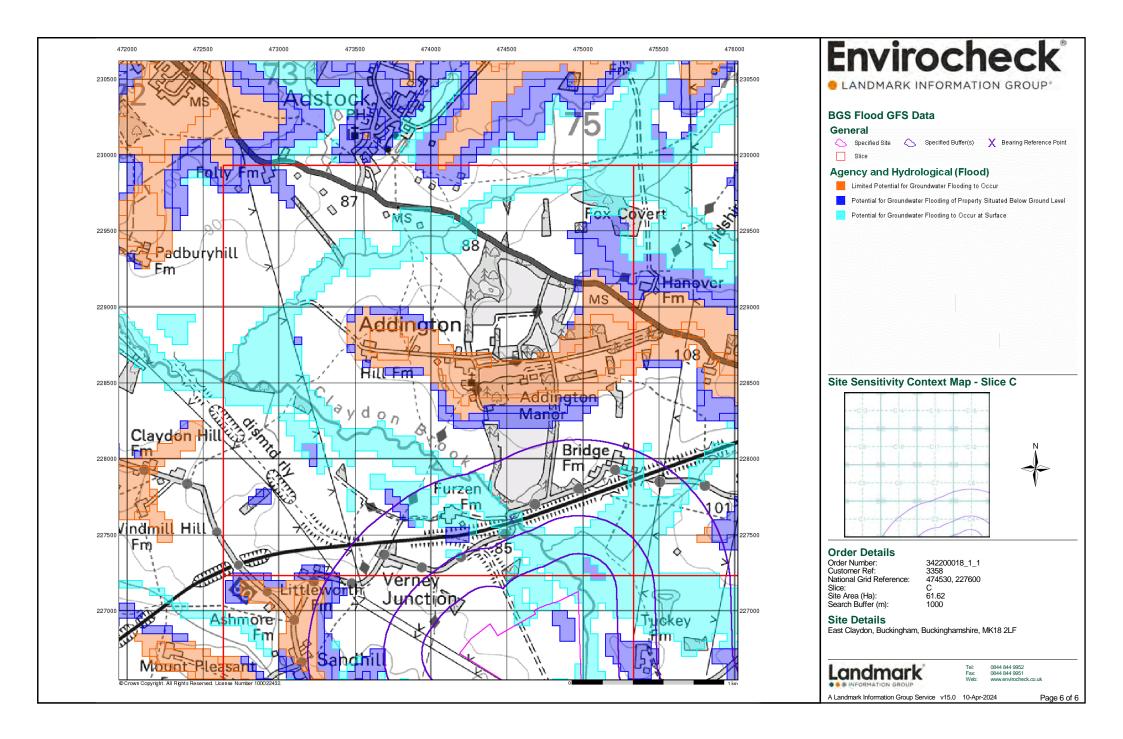














# **Envirocheck® Report:**

## **Datasheet**

### **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

474530, 227600

Slice:

С

Site Area (Ha):

61.62

Search Buffer (m):

1000

### **Site Details:**

East Claydon Buckingham Buckinghamshire MK18 2LF

### **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	10
Hazardous Substances	-
Geological	11
Industrial Land Use	14
Sensitive Land Use	15
Data Currency	16
Data Suppliers	22
Useful Contacts	23

#### Introduction

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

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

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Report Version v53.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				5
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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 2	1			
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				(*4)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 4	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 6	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 6	Yes		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 6		3	13	12



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 10	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 10			1	2
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 11	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 11	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 12	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13	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 14				1
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 14				2
Points of Interest - Public Infrastructure	pg 14				1
Points of Interest - Recreational and Environmental					
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					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 15	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
		Flooding Susceptibility		_		
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	C3NE (E)	0	1	474532 227602
	BGS Groundwater F	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	474950 226650
	BGS Groundwater F	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	C4SE	0	1	475000 227550
	BGS Groundwater I	Flooding Susceptibility	(E)			227550
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	474800
	BGS Groundwater F	Flooding Susceptibility				227000
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	474800
		•	,			226550
	BGS Groundwater I Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SE	108	1	475000
	r looding Type.	Folential for Groundwater Flooding of Froperty Situated Below Ground Level	(SE)	100	'	227350
		Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	167	1	475150 226850
	BGS Groundwater F	Flooding Susceptibility				
	Flooding Type:	Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	363	1	473700 226750
	BGS Groundwater F	Flooding Susceptibility				220730
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	(SW)	380	1	473850
	BGS Groundwater F	Flooding Susceptibility				226550
	Flooding Type:	Potential for Groundwater Flooding to Occur at Surface	C3SW	477	1	474200
	2000	The Read Control (1979)	(SW)			227400
	Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding to Occur at Surface	(SW)	491	1	473700
	7 1000m.ig 1 ) poi		(011)			226600
4	Discharge Consents		COSE	670	2	472000
1	Operator: Property Type: Location: Authority:	C/O Jaggard Baker Domestic Property (Multiple) Jubilee Cottages Nos.1-4 Verney Junction, Buckingham, Buckinghamshire, Mk18 2jz Environment Agency, Anglian Region	C2SE (W)	670	2	473800 227300
	Catchment Area: Reference:	Padbury Brook (Steeple Clay Pr1nf1394				
	Permit Version: Effective Date:	2 12th March 1992				
	Issued Date: Revocation Date:	12th March 1992 Not Supplied				
	Discharge Type: Discharge	Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River				
	Environment:					
	Receiving Water: Status: Positional Accuracy:	Trib Claydon Brook  Post National Rivers Authority Legislation where issue date > 31/08/1989  Located by supplier to within 100m				
	Discharge Consents	s				
1	Operator: Property Type: Location:	C/O Jaggard & Baker Domestic Property (Multiple) Jubilee Cottages Nos.1-4 Verney Junction, Buckingham, Buckinghamshire,	C2SE (W)	670	2	473800 227300
	Authority: Catchment Area: Reference:	Mk18 2jz Environment Agency, Anglian Region Padbury Brook (Steeple Clay Pr1nf1394				
	Permit Version: Effective Date: Issued Date:	1 5th May 1983 5th May 1983				
	Revocation Date: Discharge Type: Discharge	11th March 1992 Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River				
	Environment: Receiving Water: Status:	Trib Claydon Brook  Pre National Rivers Authority Legislation where issue date < 01/09/1989  Located by supplier to within 100m				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Discharge Consent	s				
2	Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	White Cottage Management WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) The White House Verney Junction, Winslow, Mk18 2jz, Mk18 2jz Environment Agency, Anglian Region Padbury Brook (Steeple Clay Prcnf05963 1 19th September 1997 19th September 1997 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River  Tributary Claydon Brook Post National Rivers Authority Legislation where issue date > 31/08/1989 Located by supplier to within 100m	C2SE (W)	689	2	473920 227420
3	Discharge Consent Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	The Occupier FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Furzehill Farm, Middle Claydon Environment Agency, Anglian Region Not Supplied Pr1nfg0265i 1 29th November 1962 29th November 1962 16th May 1991 Agricultural effluents Not Supplied Not Supplied Pre National Rivers Authority Legislation where issue date < 01/09/1989 Located by supplier to within 100m	C3NW (W)	840	2	474100 227700
4	Discharge Consent Operator: Property Type: Location:  Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	Mr Graham Lambert Domestic Property (Single) Old Oak Farm Verny Road, Addington, Buckingham, Buckinghamshire, Mk18 2jx Environment Agency, Anglian Region Padbury Brook (Steeple Clay Npswqd003352 1 7th August 2008 7th August 2008 Not Supplied Sewage Discharges - Final/Treated Effluent - Not Water Company Freshwater Stream/River  Tributary Of Claydon Brook New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Located by supplier to within 10m	C8SE (NE)	850	2	475280 227919
	Nearest Surface Wa	tter Feature	C4SW (SE)	16	-	474714 227469
	River Quality Name: GQA Grade: Reach: Estimated Distance (km): Flow Rate: Flow Type: Year:	Claydon Bk. River Quality B Winslow Stw Horwood Trib 5.2  Flow less than 0.62 cumecs River 2000	C3NE (NE)	0	2	474537 227606



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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions		CZNE	1201	2	474400
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Messrs Addington Manor Farm 6/33/02/*g/115 Not Supplied Well 3 , ADDINGTON Environment Agency, Anglian Region Agriculture (General) Not Supplied Well And Borehole 1 34100 Not Supplied	C7NE (N)	1301	2	474400 228295
		Located by supplier to within 100m				
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Messrs Addington Manor Farm 6/33/02/*g/115 Not Supplied Well 4, ADDINGTON Environment Agency, Anglian Region Domestic & Agriculture Not Supplied Well And Borehole 8 23300 Great Oolite; Status: Revoked Not Supplied Located by supplier to within 10m	C11SE (N)	1638	2	474500 228695
	Water Abstractions					
	-	Messrs Addington Manor Farm 6/33/02/*g/115 Not Supplied Well 4 At, , ADDINGTON, Buckinghamshire Environment Agency, Anglian Region Domestic & Agriculture Not Supplied Well And Borehole 8 23000 Great Oolite; Status: Revoked Not Supplied Located by supplier to within 10m	C11SE (N)	1643	2	474500 228700
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Messrs Addington Manor Farm 6/33/02/*g/115 Not Supplied Well 5, ADDINGTON Environment Agency, Anglian Region Agriculture (General) Not Supplied Well And Borehole 6 52000 Great Oolite; Status: Revoked Not Supplied Located by supplier to within 10m	C11SW (N)	1711	2	474300 228700



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Unproductive Aquifer (may have productive aquifer beneath)	(S)	0	3	474532
	Classification: Combined	Unproductive				227000
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial	3-10m				
	Thickness:					
	Superficial Recharge:	High				
	Groundwater Vulne	• •				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	C3SE (S)	0	3	474615 227291
	Combined Vulnerability:	Medium	(-)			
	Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	High				
	Recharge:					
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	C3NE	0	3	474532
	Classification: Combined	Medium	(E)			227602
	Vulnerability:	Medium				
	Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial	<90%				
	Patchiness: Superficial	-2m				
	Thickness:	<3m				
	Superficial	High				
	Recharge:					
	Groundwater Vulne Combined	erability Map  Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	474878
	Classification:				J	226564
	Combined	Medium				
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aguifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:	100,0				
	Superficial	3-10m				
	Thickness:	Lligh				
	Superficial Recharge:	High				



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	474748 227000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial	3-10m				
	Thickness: Superficial	High				
	Recharge:  Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(S)	0	3	474552 227000
	Combined Vulnerability:	Medium				227000
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness: Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	3	475000 226763
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SE)	0	3	475000 227000
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow: Dilution: Baseflow Index:	Well Connected Fractures <300 mm/year 40-70%				
	Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				



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Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulner	rability Map				
	Combined Classification:	Unproductive Aquifer (may have productive aquifer beneath)	C3SE (S)	0	3	474617 227331
	Combined Vulnerability: Combined Aquifer:	Unproductive Unproductive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed: Bedrock Flow: Dilution:	Low Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial Patchiness:	40-70% <90%				
	Superficial Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulner None	rability - Soluble Rock Risk				
	Bedrock Aquifer Des	signations				
	Aquifer Designation:		C3NE (E)	0	3	474532 227602
	Bedrock Aquifer Des Aquifer Designation:		C4NE (E)	0	3	475000 227602
	Superficial Aquifer [	_				
	Aquifer Designation:	Secondary Aquifer - A	(S)	0	3	474878 226564
	Superficial Aquifer I Aquifer Designation:	<b>Designations</b> Secondary Aquifer - A	C3SE (S)	0	3	474615 227291
	Superficial Aquifer I Aquifer Designation:	Designations Secondary Aquifer - A	(SE)	0	3	475000 226763
	Superficial Aquifer [	_				220703
	Aquifer Designation:	Secondary Aquifer - A	C3NE (E)	0	3	474532 227602
	Superficial Aquifer I Aquifer Designation:	Designations Secondary Aquifer - A	C4SE (E)	0	3	475000 227540
	Extreme Flooding fr Type: Flood Plain Type: Boundary Accuracy:	om Rivers or Sea without Defences  Extent of Extreme Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	C3NE (E)	0	2	474532 227602
	Flooding from River	s or Sea without Defences				
	Type: Flood Plain Type: Boundary Accuracy:	Extent of Flooding from Rivers or Sea without Defences Fluvial Models As Supplied	C3SE (SE)	0	2	474639 227473
	Areas Benefiting fro	m Flood Defences				
	Flood Water Storage None	e Areas				
	Flood Defences None					
5	Watercourse Name:	Inland river 247.0 Not Supplied True	C3SE (S)	4	4	474588 227234
6	OS Water Network L Watercourse Form: Watercourse Length: Watercourse Level: Permanent: Watercourse Name:	Inland river 536.9 On ground surface True	C4SW (SE)	18	4	474754 227383



## **Agency & Hydrological**

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 70.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (S)	250	4	474572 227301
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 119.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (S)	281	4	474560 227283
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (S)	302	4	474560 227283
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (S)	306	4	474572 227301
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 209.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SW (SE)	316	4	474705 227456
12	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 385.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SW (SE)	320	4	474756 227385
13	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 110.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SW (SE)	327	4	474713 227473
14	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 240.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SE (E)	334	4	475076 227473
15	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SE (E)	345	4	475259 227317



## **Agency & Hydrological**

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 139.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SE (E)	345	4	475259 227317
17	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 277.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SE (E)	362	4	475076 227473
18	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 5.0  Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SW (SE)	416	4	474709 227460
19	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 10.0  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4SW (SE)	418	4	474713 227473
20	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 279.3  Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NE (NE)	425	4	474541 227617
21	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4NE (E)	625	4	475257 227683
22	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 157.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C4NE (E)	632	4	475259 227689
23	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 324.4  Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NE (NW)	654	4	474509 227640
24	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 59.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NE (NW)	654	4	474515 227642



## **Agency & Hydrological**

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 72.6  Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SW (W)	686	4	474025 227560
26	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 166.5 Watercourse Level: On ground surface True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NE (W)	692	4	474407 227638
27	OS Water Network Lines  Watercourse Form: Inland river Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SW (W)	744	4	474025 227564
28	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 396.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NW (W)	747	4	474031 227638
29	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 117.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NW (NW)	826	4	474296 227748
30	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: Underground True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NW (NW)	910	4	474283 227819
31	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 55.4 Watercourse Level: On ground surface True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NW (NW)	915	4	474288 227828
32	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 385.5  Watercourse Level: On ground surface Permanent: True Watercourse Name: Claydon Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3NW (NW)	954	4	474298 227881





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority La	ndfill Coverage				
	Name:	Aylesbury Vale District Council - Has supplied landfill data		0	6	474532 227602
	Local Authority La	ndfill Coverage				
	Name:	Buckinghamshire County Council - Has supplied landfill data		0	5	474532 227602
	Potentially Infilled	Land (Water)				
33	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	C3SE (S)	342	-	474565 227495
	Potentially Infilled	Land (Water)				
34	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	C3NW (W)	708	-	474228 227601
	Potentially Infilled	Land (Water)				
35	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	C2NE (W)	963	-	473691 227591

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 10 of 23





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology				
	Description:	Kellaways Formation And Oxford Clay Formation (Undifferentiated)	C3NE (E)	0	1	474532 227602
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 90 - 120 mg/kg	C3NE (E)	0	1	474532 227602
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	C3SE (S)	0	1	474615 227291
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	C3SE (SW)	0	1	474467 227496
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	C4SW (SE)	75	1	474885 227397
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	(S)	118	1	474218 226468
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	C3NE (NE)	368	1	474555 227641





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Source: Soil Sample Type: Arsenic	Chemistry  British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg	C3SW (W)	571	1	474308 227545
	Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	<1.8 mg/kg 60 - 90 mg/kg <100 mg/kg 15 - 30 mg/kg				
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration: Chromium Concentration: Lead Concentration: Nickel Concentration:	British Geological Survey, National Geoscience Information Service Rural Soil 15 - 25 mg/kg <1.8 mg/kg 60 - 90 mg/kg	C3NW (W)	773	1	474030 227727
	BGS Measured Urba No data available	an Soil Chemistry				
	BGS Urban Soil Che No data available	emistry Averages				
	Coal Mining Affecte In an area that might	d Areas not be affected by coal mining				
	Non Coal Mining Are No Hazard	eas of Great Britain				
		sible Ground Stability Hazards No Hazard	C3NE	0	1	474532
	Source:	British Geological Survey, National Geoscience Information Service sible Ground Stability Hazards	(E)	0		227602
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C4SE (E)	0	1	475000 227540
	Potential for Collaps Hazard Potential: Source:	sible Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	474467 227496
	Potential for Collaps Hazard Potential: Source:	sible Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	C4SE (E)	75	1	475000 227467
	Potential for Collaps Hazard Potential: Source:	sible Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	C4SW (SE)	94	1	474885 227397
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  Moderate  British Geological Survey, National Geoscience Information Service	C4SE (E)	0	1	475000 227540
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  Moderate  British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	474467 227496
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	C4SE (E)	75	1	475000 227467
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	C4SW (SE)	94	1	474885 227397
		d Dissolution Stability Hazards  No Hazard  British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground	d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C4NE (E)	0	1	475000 227602
	Potential for Landsl	ide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
	Potential for Landsl	ide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4NE (E)	0	1	475000 227602
	Potential for Runnir	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	C4SE (E)	0	1	475000 227540
	Potential for Runnir	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
	Potential for Runnir	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	474467 227496
	Potential for Runnir	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C3SE (S)	0	1	474615 227291
	Potential for Runnir	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4SE (E)	75	1	475000 227467
	Potential for Runnir	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4SW (SE)	94	1	474885 227397
	Potential for Runnir	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	118	1	474218 226468
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	C4NE (E)	0	1	475000 227602
	Radon Potential - R	adon Affected Areas				
	Affected Area: Source:	The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).  British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
		adon 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).	C4NE (E)	0	1	475000 227602
	Source:	British Geological Survey, National Geoscience Information Service	\ <del>-</del> /			
	Radon Potential - R	adon Protection Measures				
		No radon protective measures are necessary in the construction of new dwellings or extensions	C3NE (E)	0	1	474532 227602
	Source:	British Geological Survey, National Geoscience Information Service				
		adon Protection Measures  No radon protective measures are necessary in the construction of new	C4NE	0	1	475000
	Source:	dwellings or extensions British Geological Survey, National Geoscience Information Service	(E)			227602

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## **Industrial Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries  A G S Cars Unit 1, Addington Business Park, Addington, Buckingham, MK18 2JX Car Dealers - Used Active Automatically positioned to the address	C8SE (NE)	903	-	475252 227984
37	Name: Location: Category: Class Code:	Manufacturing and Production G B I Farms Ltd Furzen Farm, Verney Road, Middle Claydon, MK18 2JY Farming Arable Farming Positioned to address or location	C3NW (W)	775	7	474097 227630
38	Name: Location: Category: Class Code:	Manufacturing and Production  Addington Business Park MK18 Industrial Features Business Parks and Industrial Estates Positioned to an adjacent address or location	C8SE (NE)	925	7	475286 227996
39	Name: Location: Category: Class Code:	Public Infrastructure  Verney Junction MK18  Public Transport, Stations and Infrastructure Railway Stations, Junctions and Halts Positioned to an adjacent address or location	C2SE (W)	848	7	473716 227463

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## **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nitrate Vulnerab	le Zones				
40	Name: Description: Source:	Great Ouse Nvz Surface Water Environment Agency, Head Office	C3NE (E)	0	3	474532 227602

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Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	December 2019	Annual Rolling Update
Buckinghamshire Council	December 2019	Annual Rolling Update
Environment Agency - Head Office	November 2023	Annually
Discharge Consents		
Environment Agency - Anglian Region	January 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	
	IVIAICII 2013	
Integrated Pollution Controls	January 2000	
Environment Agency - Thames Region	January 2009	
Integrated Pollution Prevention And Control	0	
Environment Agency - South East Region - West Thames Area	October 2023	Quarterly
Environment Agency - Thames Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Variable
Buckinghamshire Council	February 2015	Variable
Local Authority Pollution Prevention and Controls		
Buckinghamshire Council	February 2015	Annual Rolling Update
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Not Applicable
Local Authority Pollution Prevention and Control Enforcements		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Variable
Buckinghamshire Council	February 2015	Variable
Nearest Surface Water Feature		
Ordnance Survey	February 2024	
Pollution Incidents to Controlled Waters		
Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Thames Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Thames Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Thames Region	June 2016	As notified
Environment Agency - Head Office	May 2023	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points	'	
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - South East Region - West Tharnes Area  Environment Agency - Thames Region - West Area	January 2024 January 2024	Quarterly
	January 2024	Quarterly
Water Abstractions	Ost-1 0000	Occasion and a
Environment Agency - Anglian Region	October 2023	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	
	Octobel 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
<u> </u>	Julie 2010	AS HUIIIIEU
Bedrock Aquifer Designations	,	
Environment Agency - Head Office	January 2018	As notified

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Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	January 2024	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines		
Ordnance Survey	January 2024	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	As notified

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Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Thames Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - Thames Region - West Area	January 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - West Thames Area	January 2023	Quarterly
Environment Agency - Thames Region - West Area	January 2023	Quarterly
Local Authority Landfill Coverage		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2003	Not Applicable
Buckinghamshire Council	February 2003	Not Applicable
Buckinghamshire County Council	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	October 2018	
Buckinghamshire Council	October 2018	
Buckinghamshire County Council	October 2018	
Potentially Infilled Land (Non-Water)	D	
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)	B	
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Thames Region - West Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Thames Region - West Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Thames Region - West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites	•	,
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2016	Variable
Buckinghamshire Council	February 2016	Variable
Buckinghamshire County Council	February 2023	Variable
Planning Hazardous Substance Consents		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2016	Variable
	. 5214417 2010	Variable
Buckinghamshire Council	February 2016	Variable

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Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	October 2023	Annually

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Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	October 2023	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines		
National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services		
PointX	March 2024	Quarterly
Points of Interest - Education and Health		
PointX	March 2024	Quarterly
Points of Interest - Manufacturing and Production		
PointX	March 2024	Quarterly
Points of Interest - Public Infrastructure		
PointX	March 2024	Quarterly
Points of Interest - Recreational and Environmental		
PointX	March 2024	Quarterly
Underground Electrical Cables		
National Grid	February 2023	Bi-Annually

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Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Unadopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	February 2024	Bi-Annually
Marine Nature Reserves		
Natural England	February 2024	Bi-Annually
National Nature Reserves		
Natural England	February 2024	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	March 2023	Bi-Annually
Ramsar Sites		
Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest		
Natural England	November 2023	Bi-Annually
Special Areas of Conservation		
Natural England	October 2023	Bi-Annually
Special Protection Areas		
Natural England	October 2023	Bi-Annually

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A selection of organisations who provide data within this report

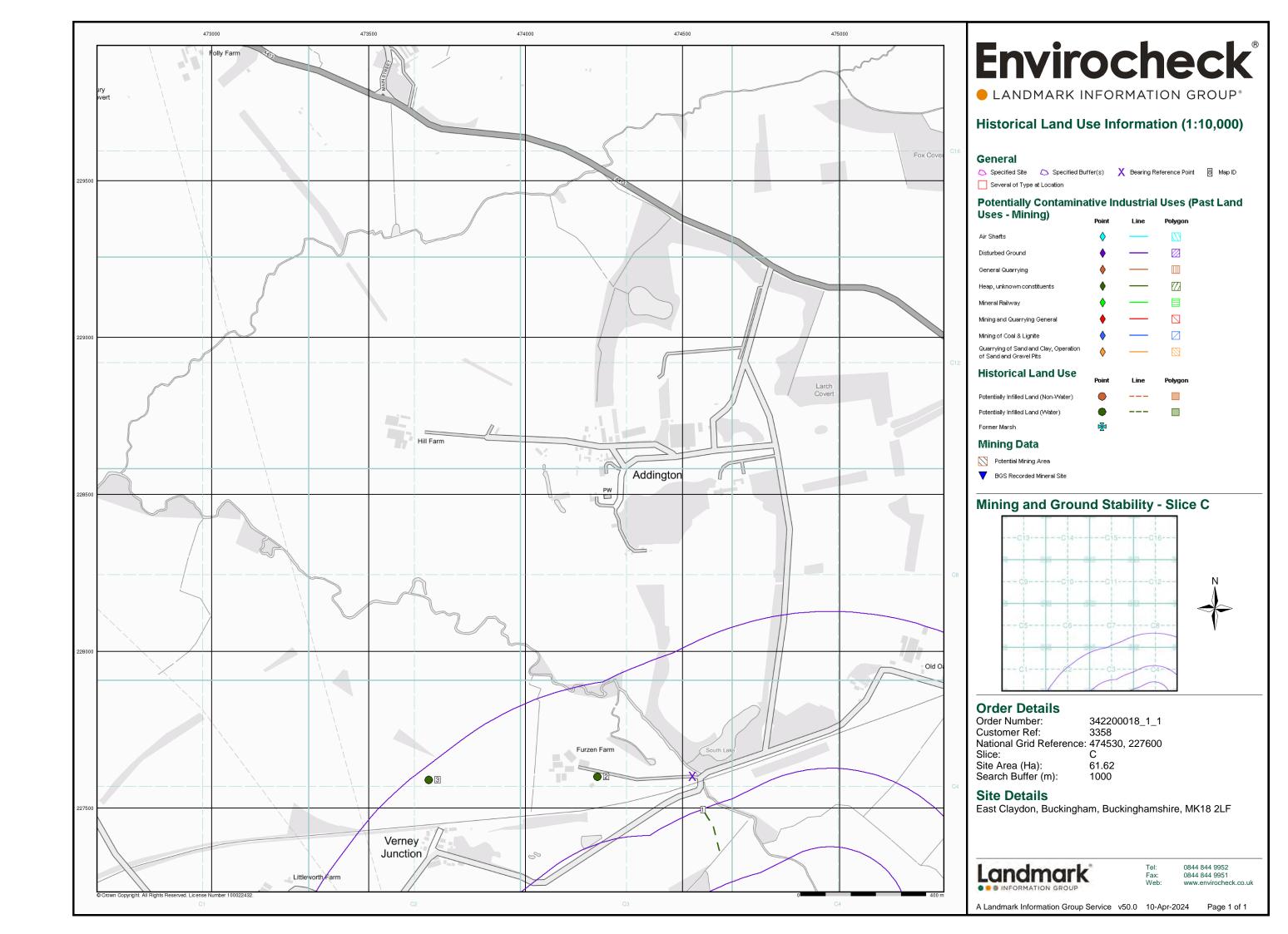
Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scuttish Environment Protection Agency
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Noturiol Ogyrriol Natural Resources Walles
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 収込分
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

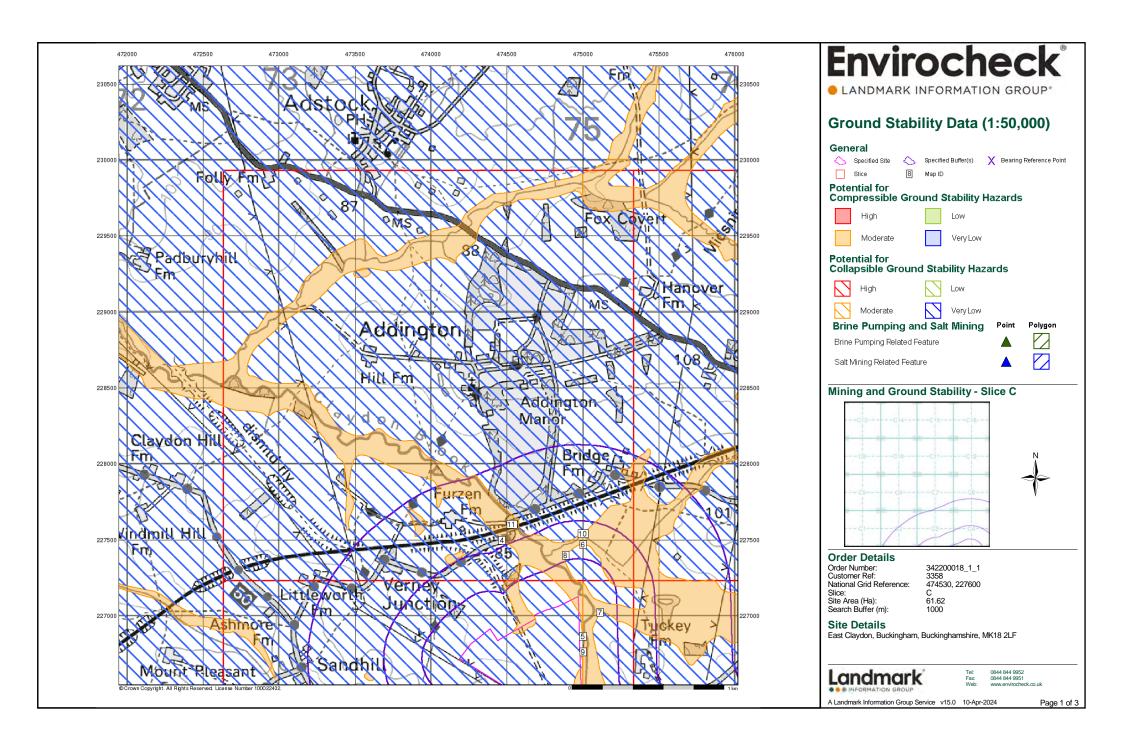


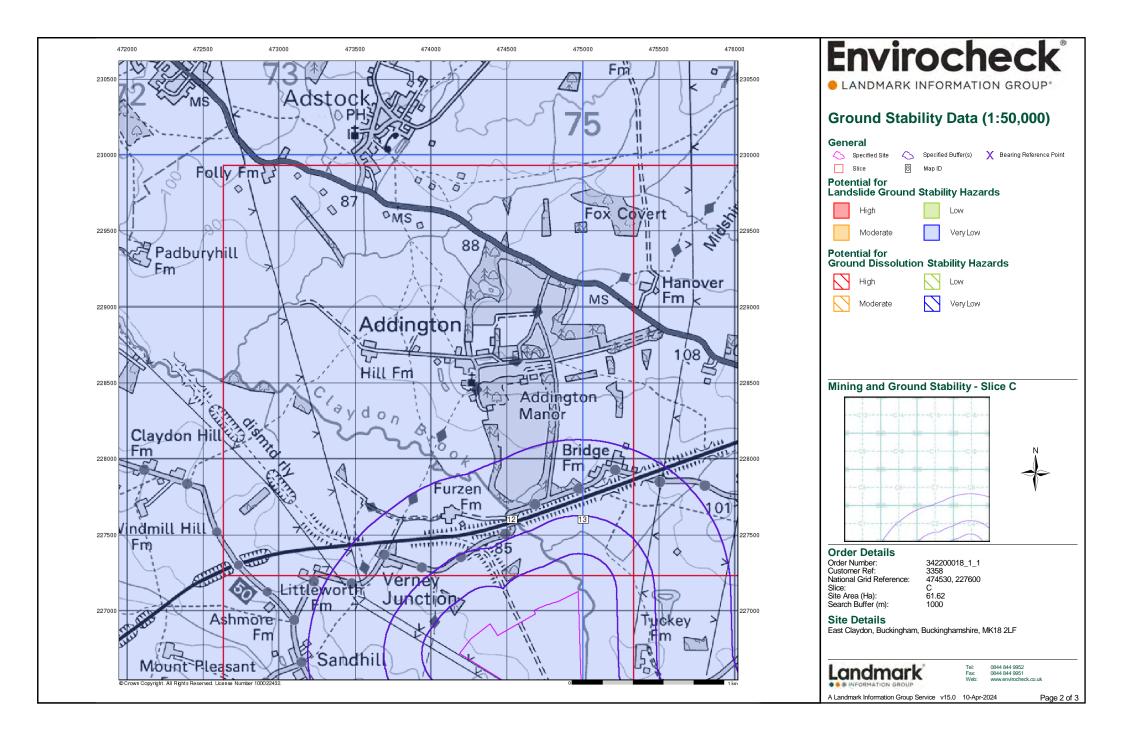
### **Useful Contacts**

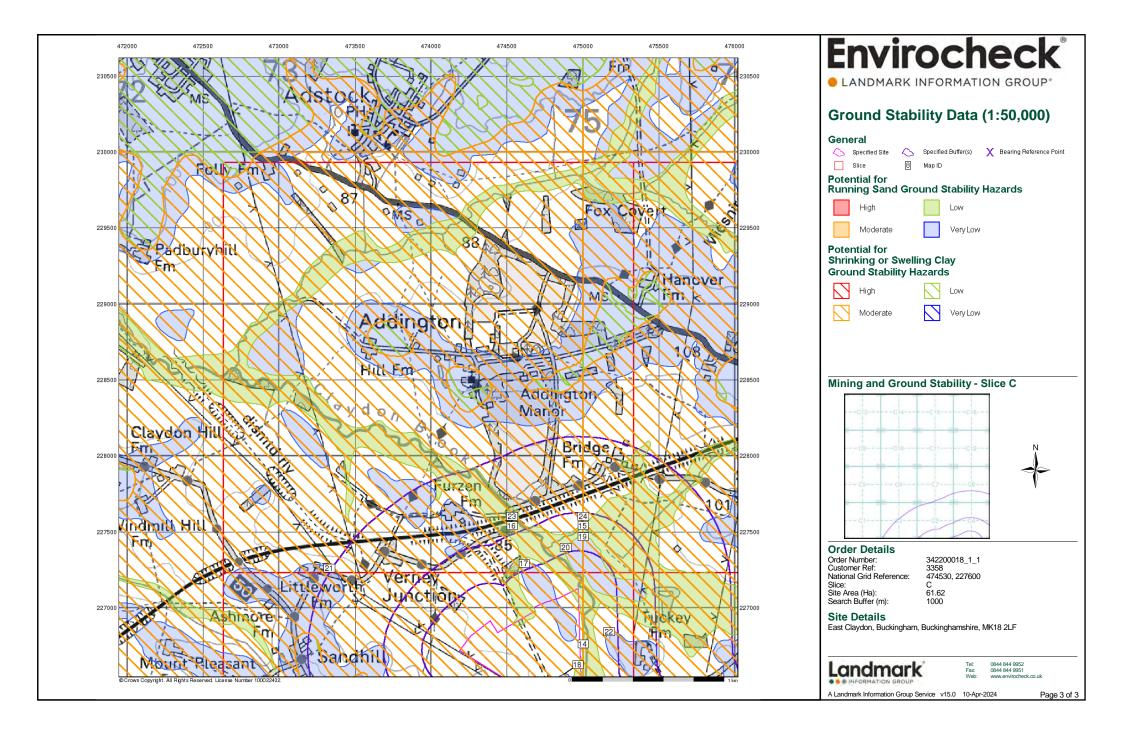
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
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	Buckinghamshire County Council County Hall, Aylesbury, Buckinghamshire, HP20 1UA	Telephone: 01296 395900 Fax: 01296 88887 Website: www.buckscc.gov.uk
6	Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health Customer Service Centre, 66 High Street, Aylesbury, Buckinghamshire, HP20 1SD	Telephone: 01296 585858 Fax: 01296 398804 Website: www.aylesburyvaledc.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	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.











## **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

### **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

474530, 227600

Slice:

C

Site Area (Ha):

61.62

Search Buffer (m):

1000

### Site Details:

East Claydon Buckingham Buckinghamshire MK18 2LF

### **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN







Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

### **Mining and Natural Cavities Data**

-

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

### Historical Land Use Information (1:2,500)

\_

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

### **Historical Land Use Information (1:10,000)**

1

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

### **Ground Stability Data (1:50,000)**

2

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

### Historical Map List 4

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	5
Data Suppliers	6
Useful Contacts	7

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0





Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 1			1	2
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 2	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 2	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes		n/a	n/a
Salt Mining Related Features					

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service





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Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



## **Historical Land Use Information (1:10,000)**

Map ID		Details		Estimated Distance From Site	Contact	NGR
	Potentially Infilled	Potentially Infilled Land (Water)				
1	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	C3SE (S)	342	-	474565 227495
	Potentially Infilled	Land (Water)				
2	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	C3NW (W)	708	-	474228 227601
	Potentially Infilled	Land (Water)				
3	Use: Date of Mapping:	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) 1959	C2NE (W)	963	-	473691 227591

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 1 of 7



## **Ground Stability Data (1:50,000)**

lap ID	Details		Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District  The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards				
4	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	474467 227496
	Potential for Collapsible Ground Stability Hazards	(511)			227 100
5	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	19	1	475000 226864
	Potential for Collapsible Ground Stability Hazards				
6	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4SE (E)	75	1	475000 227467
	Potential for Collapsible Ground Stability Hazards				
7	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Service	(SE)	85	1	475112 227023
	Potential for Collapsible Ground Stability Hazards				
8	Hazard Potential: Very Low	C4SW	94	1	474885
	Source: British Geological Survey, National Geoscience Information Service	(SE)			227397
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard	C3NE	0	1	474532
	Source: British Geological Survey, National Geoscience Information Service			•	227602
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard   Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	475000 226763
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard	C4SE	0	1	475000
	Source: British Geological Survey, National Geoscience Information Service	(E)			227540
9	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	475000 226763
10	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	C4SE	0	1	475000
	Source: British Geological Survey, National Geoscience Information Service	(E)			227540
11	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	C3NE	0	1	474532
	Source: British Geological Survey, National Geoscience Information Service	(E)			227602
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	C3SE	0	1	474467
	Source: British Geological Survey, National Geoscience Information Service				227496
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	(SE)	19	1	475000 226864
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	C4SE	75	1	475000
	Source: British Geological Survey, National Geoscience Information Service	(E)			227467
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	(SE)	85	1	475112
	Source: British Geological Survey, National Geoscience Information Service		00		227023
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	C4SW (SE)	94	1	474885 227397
	Potential for Ground Dissolution Stability Hazards	(02)			221001
	Hazard Potential: Source:  No Hazard British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
	Potential for Ground Dissolution Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Services	C4NE (E)	0	1	475000 227602
	Potential for Landslide Ground Stability Hazards				
12	Hazard Potential: Very Low	C3NE	0	1	474532

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service



## **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Lands	slide Ground Stability Hazards				
13	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4NE (E)	0	1	475000 227602
	Potential for Runni	ng Sand Ground Stability Hazards				
14	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(SE)	0	1	475000 226763
	Potential for Runni	ng Sand Ground Stability Hazards				
15	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	C4SE (E)	0	1	475000 227540
	Potential for Runni	ng Sand Ground Stability Hazards				
16	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
	Potential for Runni	ing Sand Ground Stability Hazards				
17	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C3SE (S)	0	1	474615 227291
	Potential for Runni	ng Sand Ground Stability Hazards				
18	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	0	1	474878 226564
	Potential for Runni					
19	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4SE (E)	75	1	475000 227467
	Potential for Runni	ng Sand Ground Stability Hazards				
20	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	C4SW (SE)	94	1	474885 227397
	Potential for Runni	ng Sand Ground Stability Hazards				
21	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	118	1	474218 226468
	Potential for Runni	ng Sand Ground Stability Hazards				
22	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SE)	170	1	475172 226843
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	474467 227496
	Potential for Runni	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SE)	19	1	475000 226864
	Potential for Running Sand Ground Stability Hazards					
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SE)	85	1	475112 227023
	Potential for Shrini	king or Swelling Clay Ground Stability Hazards				
23	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	C3NE (E)	0	1	474532 227602
		king or Swelling Clay Ground Stability Hazards				
24	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	C4NE (E)	0	1	475000 227602

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### No Historical Land Use information available.

### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Oxfordshire	018_00	1885
Buckinghamshire	019_00	1885
Buckinghamshire	018_NE	1900
Buckinghamshire	018_SE	1900
Buckinghamshire	019_NW	1900
Buckinghamshire	019_SW	1900
Oxfordshire	018_00	1923
Buckinghamshire	018_00	1923
Buckinghamshire	019_NW	1926
Buckinghamshire	019_SW	1926
Buckinghamshire	018_00	1952
Buckinghamshire	019_NW	1952
Buckinghamshire	019_SW	1952
Ordnance Survey Plan	SP72NE	1958
Ordnance Survey Plan	SP72NW	1959
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SP72NW	1984
Ordnance Survey Plan	SP72NE	1985

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Mining and Cavities Data	Version	Update Cycle	
BGS Recorded Mineral Sites			
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually	
Coal Mining Affected Areas			
The Coal Authority - Property Searches	February 2023	Annual Rolling Update	
Man Made Mining Cavities			
Stantec UK Ltd	December 2023	Bi-Annually	
Mining Instability			
Ove Arup & Partners	June 1998	Not Applicable	
Natural Cavities			
Stantec UK Ltd	December 2023	Bi-Annually	
Non Coal Mining Areas of Great Britain			
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable	
Historical Land Use Information (1:2,500)	Version	Update Cycle	
Subterranean Features			
Landmark Information Group Limited	July 2023	Bi-Annually	
Ground Stability Data (1:50,000)	Version	Update Cycle	
CBSCB Compensation District			
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011		
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified	
Potential for Collapsible Ground Stability Hazards			
British Geological Survey - National Geoscience Information Service	April 2020	As notified	
Potential for Compressible Ground Stability Hazards			
British Geological Survey - National Geoscience Information Service	January 2019	As notified	
Potential for Ground Dissolution Stability Hazards			
British Geological Survey - National Geoscience Information Service	January 2019	As notified	
Potential for Landslide Ground Stability Hazards	January 2019	As notified	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards	January 2019 January 2019	As notified  As notified	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·		
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·		
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019	As notified	

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 5 of 7



## **Data Suppliers**

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB



### **Useful Contacts**

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
-	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

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### **Geology 1:50,000 Maps Legends**

### **Artificial Ground and Landslip**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary

### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WEY	Weymouth Member	Mudstone	Not Supplied - Oxfordian
	SBY	Stewartby Member	Mudstone	Not Supplied - Callovian
	PET	Peterborough Member	Mudstone	Not Supplied - Callovian

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### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

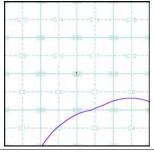
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID: Map Sheet No: Buckingham 2002 Map Name: Map Date: Available

Available Superficial Geology Artificial Geology: Not Supplied Landslip: Available Not Supplied

### Geology 1:50,000 Maps - Slice C





Order Number: 342200018\_1\_1 Customer Reference: National Grid Reference: 474530, 227600 C 61.62

Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

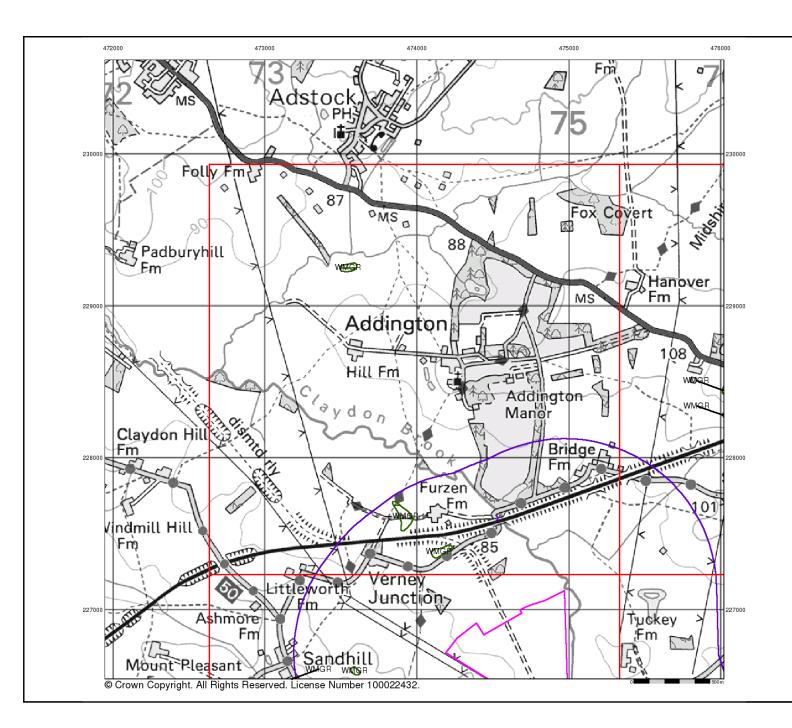
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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v15.0 10-Apr-2024

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### Artificial Ground and Landslip

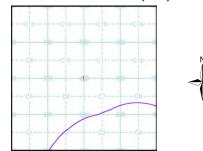
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

### Artificial Ground and Landslip Map - Slice C



### Order Details:

 Order Number:
 342200018\_1\_1

 Customer Reference:
 3358

 National Grid Reference:
 474530, 227600

 Slice:
 C

 Site Area (Ha):
 61.62

Site Area (Ha): 61.62 Search Buffer (m): 1000

### Site Details:

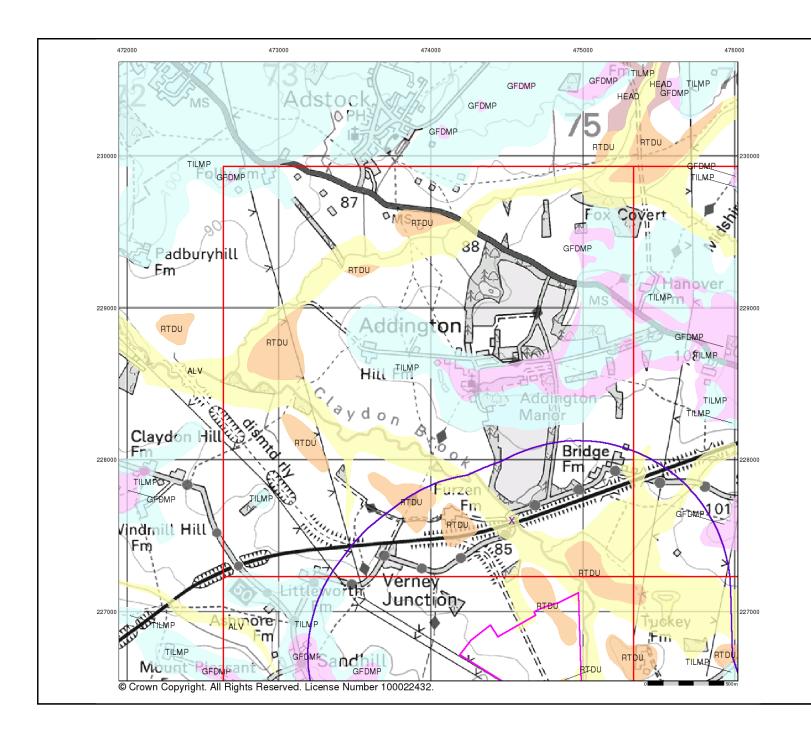
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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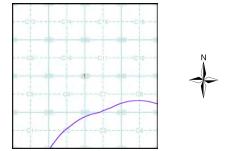
### **Superficial Geology**

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

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

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

### Superficial Geology Map - Slice C



### **Order Details:**

Order Number: Customer Reference: 342200018\_1\_1 3358 474530, 227600 National Grid Reference: C 61.62

Site Area (Ha): Search Buffer (m): 1000

#### Site Details:

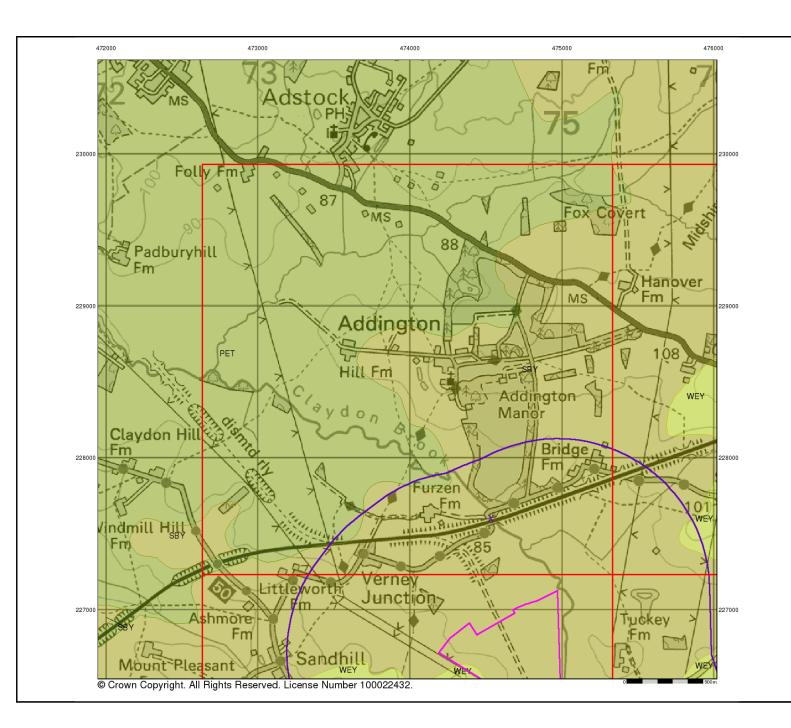
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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#### **Bedrock and Faults**

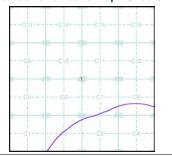
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice C



### **Order Details:**

 Order Number:
 342200018\_1\_1

 Customer Reference:
 3358

 National Grid Reference:
 474530, 227600

 Slice:
 C

 Site Area (Ha):
 61.62

 Search Buffer (m):
 1000

### Site Details:

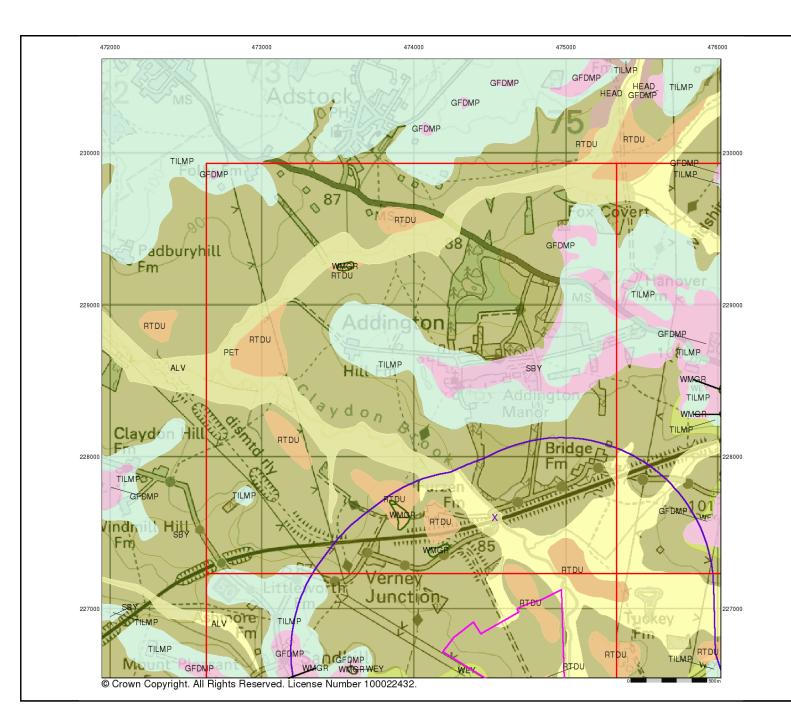
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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#### Combined Surface Geology

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

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

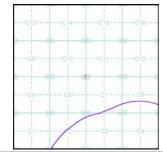
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

#### Combined Geology Map - Slice C





#### Order Details:

 Order Number:
 342200018\_1\_1

 Customer Reference:
 3358

 National Grid Reference:
 474530, 227600

 Slice:
 C

 Site Area (Ha):
 61.62

 Search Buffer (m):
 1000

Site Details:

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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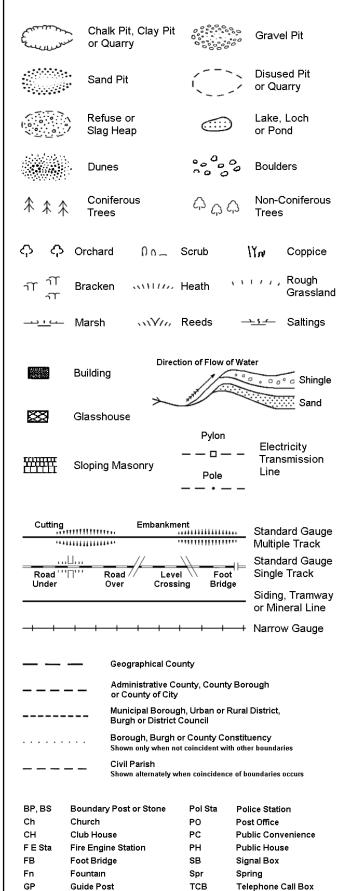
## **Historical Mapping Legends**

## Other Gravel Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Sunken Road Raised Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

Civil Parish Boundary

**Ordnance Survey County Series 1:10,560** 

## Ordnance Survey Plan 1:10,000



Mile Post

TCP

Telephone Call Post

## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
********	Slopes		Top of cliff
	General detail		Underground detail
	- O∨erhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
-•-•	County boundary (England only)	• • • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>۵</sup> **	Area of wooded vegetation	۵ <sup>۵</sup>	Non-coniferous trees
۵ ۵	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	Ö̈	Positioned tree
ф ф ф ф	Orchard	* *	Coppice or Osiers
wīta wīta	Rough Grassland	www.	Heath
On_	Scrub	7 <u>₩</u> ۲	Marsh, Salt Marsh or Reeds
6	Water feature	<b>←</b>	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)	<b></b>	Electricity transmission line (with poles)
← BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)	$\boxtimes$	Pylon, flare stac or lighting tower
•‡•	Site of (antiquity)		Glasshouse
	General Building		Important Building

Building

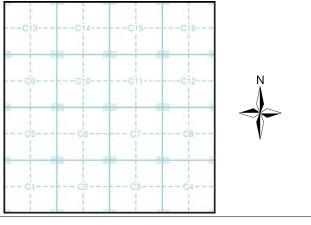
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## **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Oxfordshire	1:10,560	1885	2
Buckinghamshire	1:10,560	1885	3
Buckinghamshire	1:10,560	1900	4
Buckinghamshire	1:10,560	1923 - 1926	5
Historical Aerial Photography	1:10,560	1947	6
Buckinghamshire	1:10,560	1952	7
Ordnance Survey Plan	1:10,000	1958 - 1959	8
Ordnance Survey Plan	1:10,000	1984 - 1985	9
10K Raster Mapping	1:10,000	1999	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2024	12

## **Historical Map - Slice C**



#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358 National Grid Reference: 474530, 227600

Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

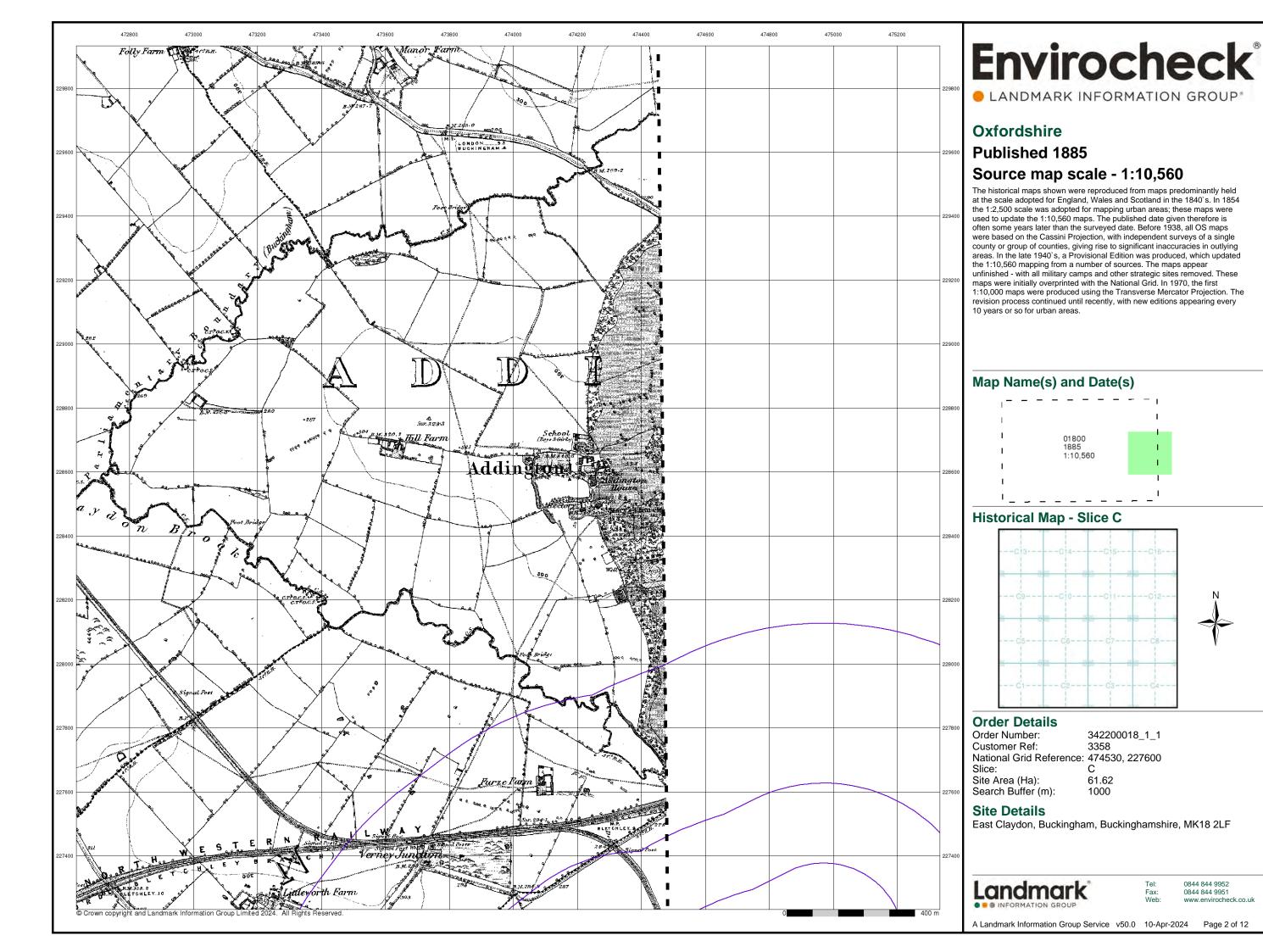
#### **Site Details**

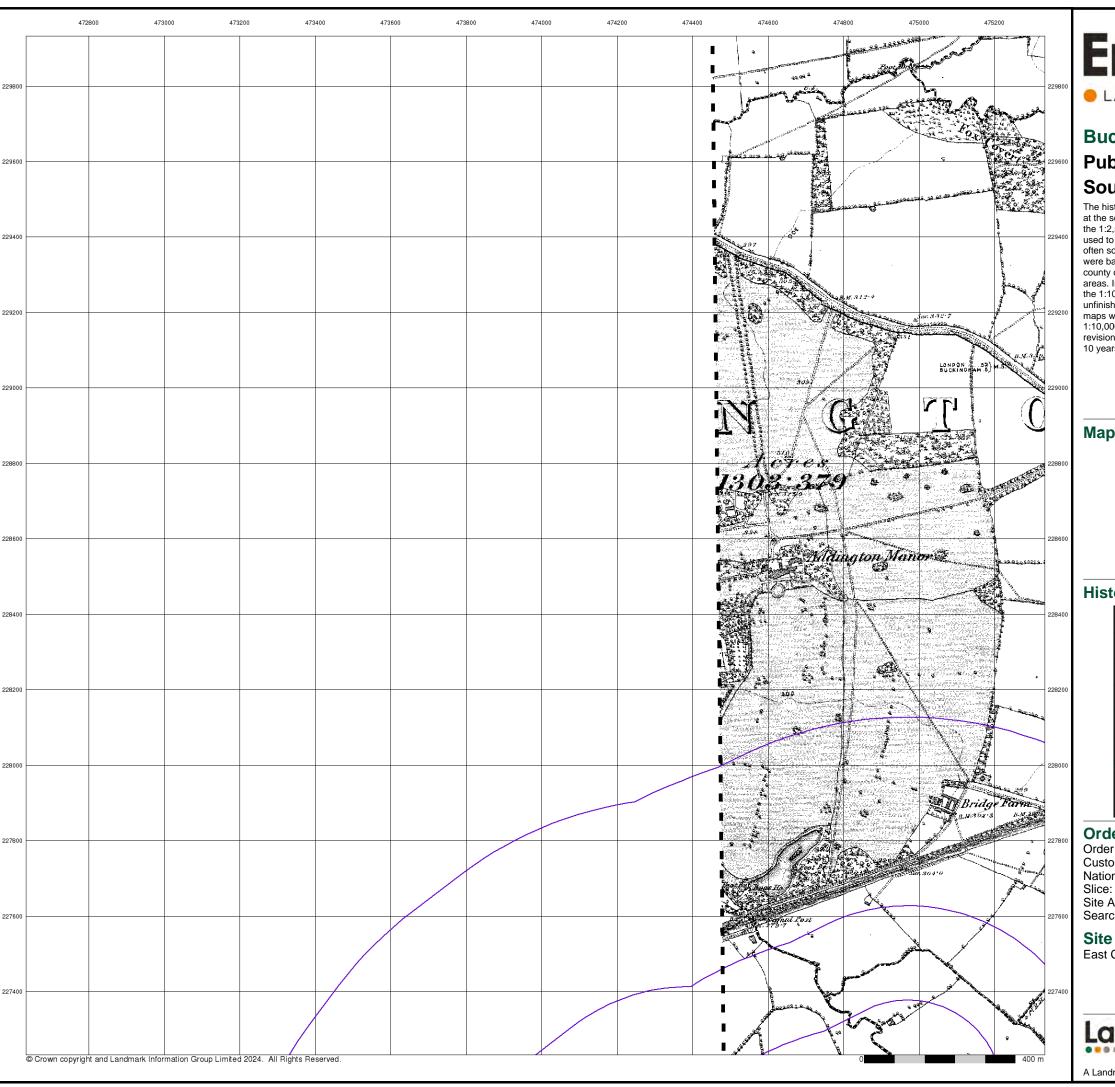
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 1 of 12





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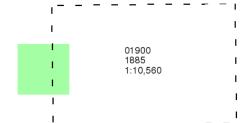
## **Buckinghamshire**

## Published 1885

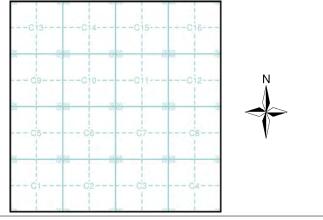
## Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice C**



## **Order Details**

Order Number: 342200018\_1\_1

Customer Ref:

National Grid Reference: 474530, 227600

Site Area (Ha): Search Buffer (m): 61.62 1000

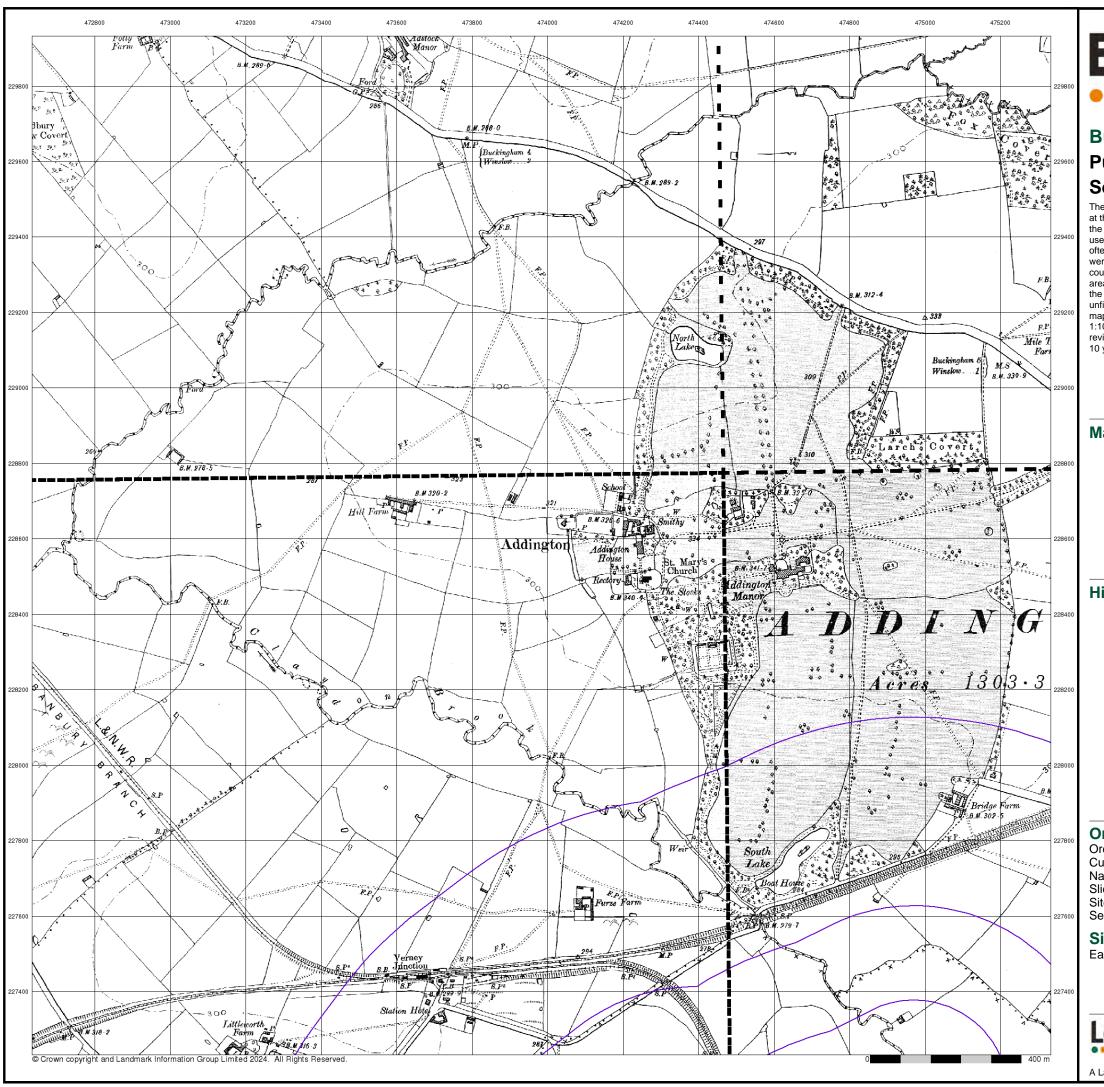
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

Landmark

0844 844 9952

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## Buckinghamshire

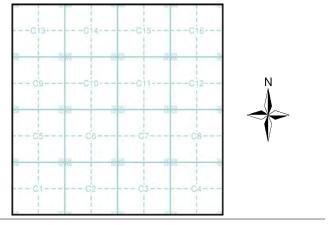
## Published 1900 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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

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1	1:10,56	80	i	1:10,560	- 1
I			!		

## **Historical Map - Slice C**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358

National Grid Reference: 474530, 227600

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Site Area (Ha): 61.62 Search Buffer (m): 1000

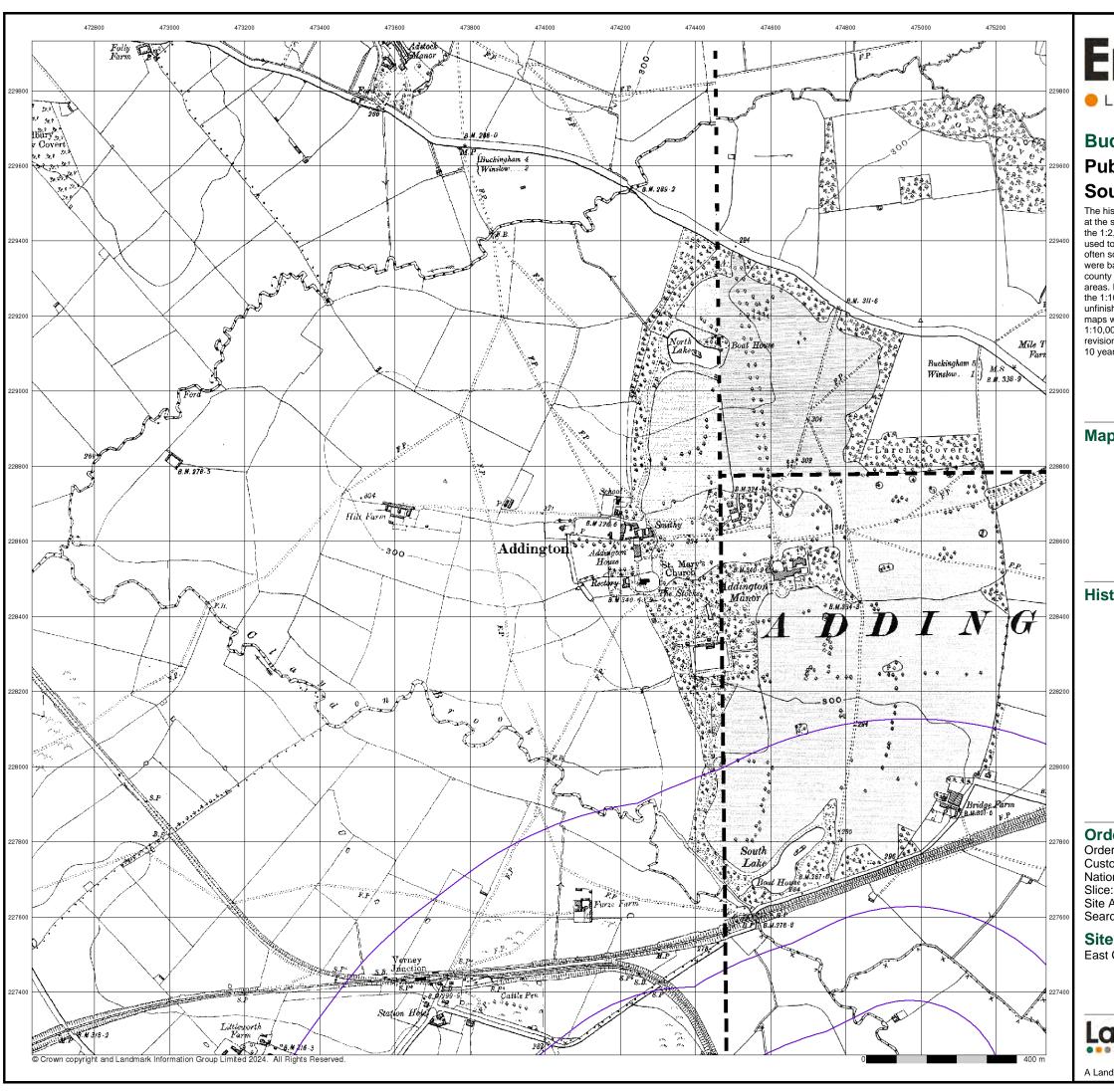
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 4 of 12



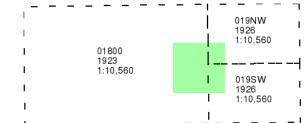
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## Buckinghamshire

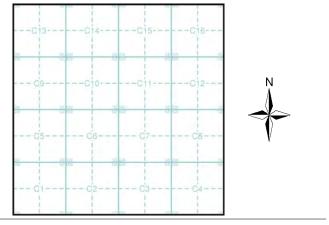
## Published 1923 - 1926 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice C**



### **Order Details**

Order Number: 342200018\_1\_1

Customer Ref: 3358

National Grid Reference: 474530, 227600

e:

Site Area (Ha): 61.62 Search Buffer (m): 1000

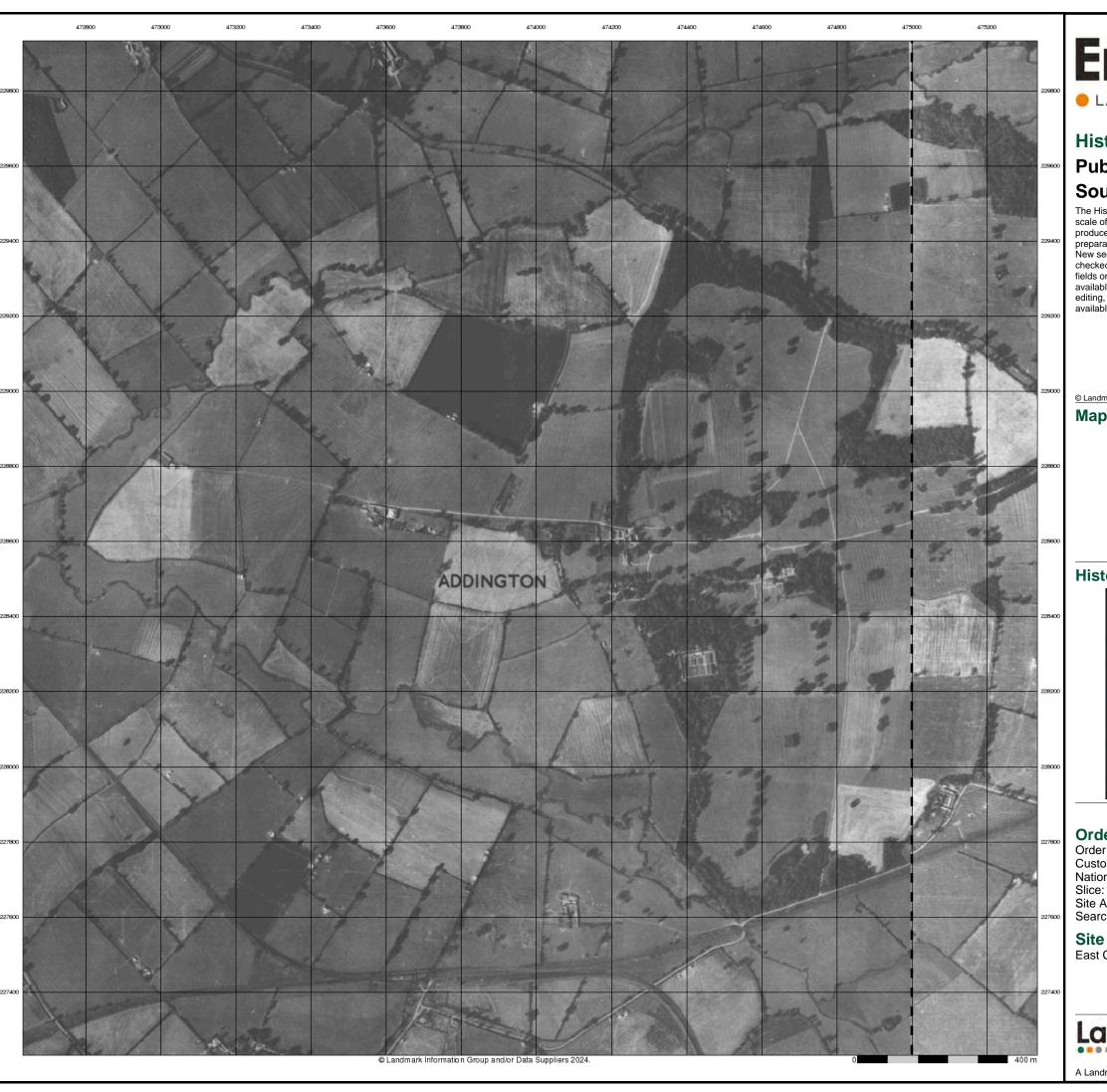
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

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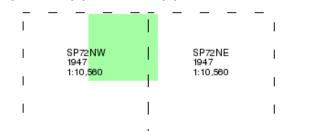
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## **Historical Aerial Photography Published 1947** Source map scale - 1:10,560

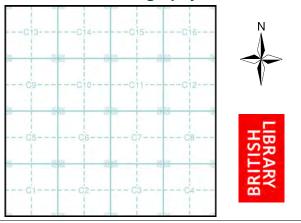
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due 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 - Slice C**



## **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 474530, 227600

Site Area (Ha): Search Buffer (m): 61.62 1000

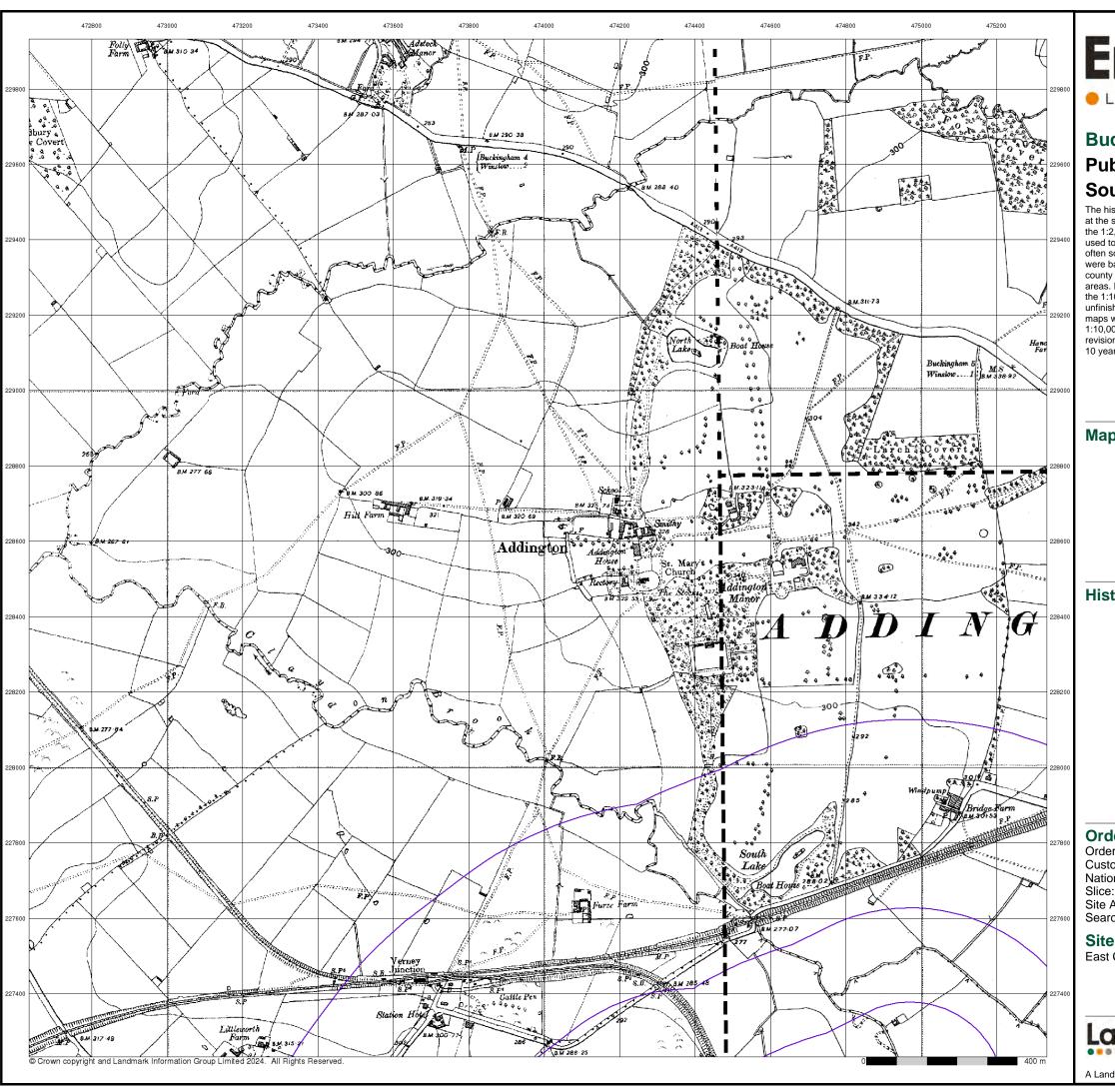
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 6 of 12



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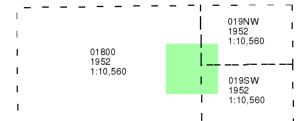
## **Buckinghamshire**

## **Published 1952**

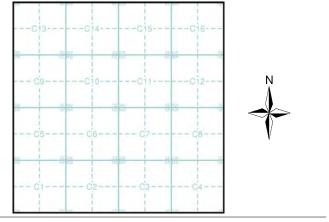
## Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



## **Historical Map - Slice C**



### **Order Details**

Order Number: 342200018\_1\_1

Customer Ref:

National Grid Reference: 474530, 227600

Site Area (Ha): 61.62 Search Buffer (m): 1000

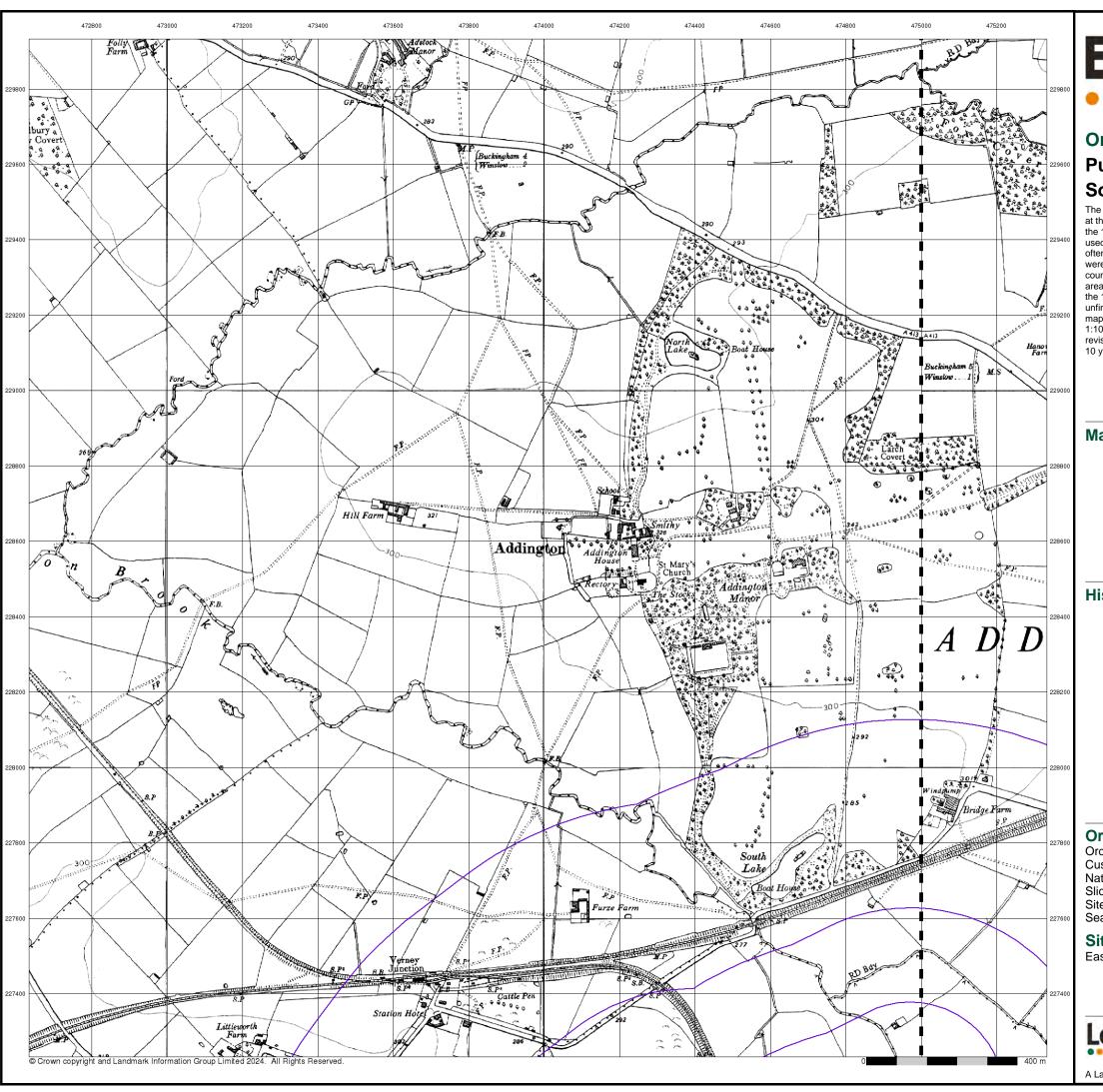
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

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0844 844 9952

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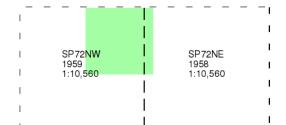
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## Ordnance Survey Plan Published 1958 - 1959

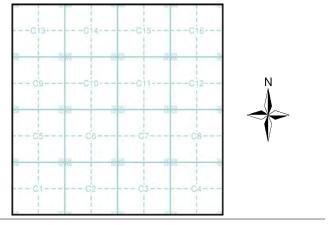
## Source map scale - 1:10,000

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



## **Historical Map - Slice C**



### **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358

National Grid Reference: 474530, 227600

e: C

Site Area (Ha): 61.62 Search Buffer (m): 1000

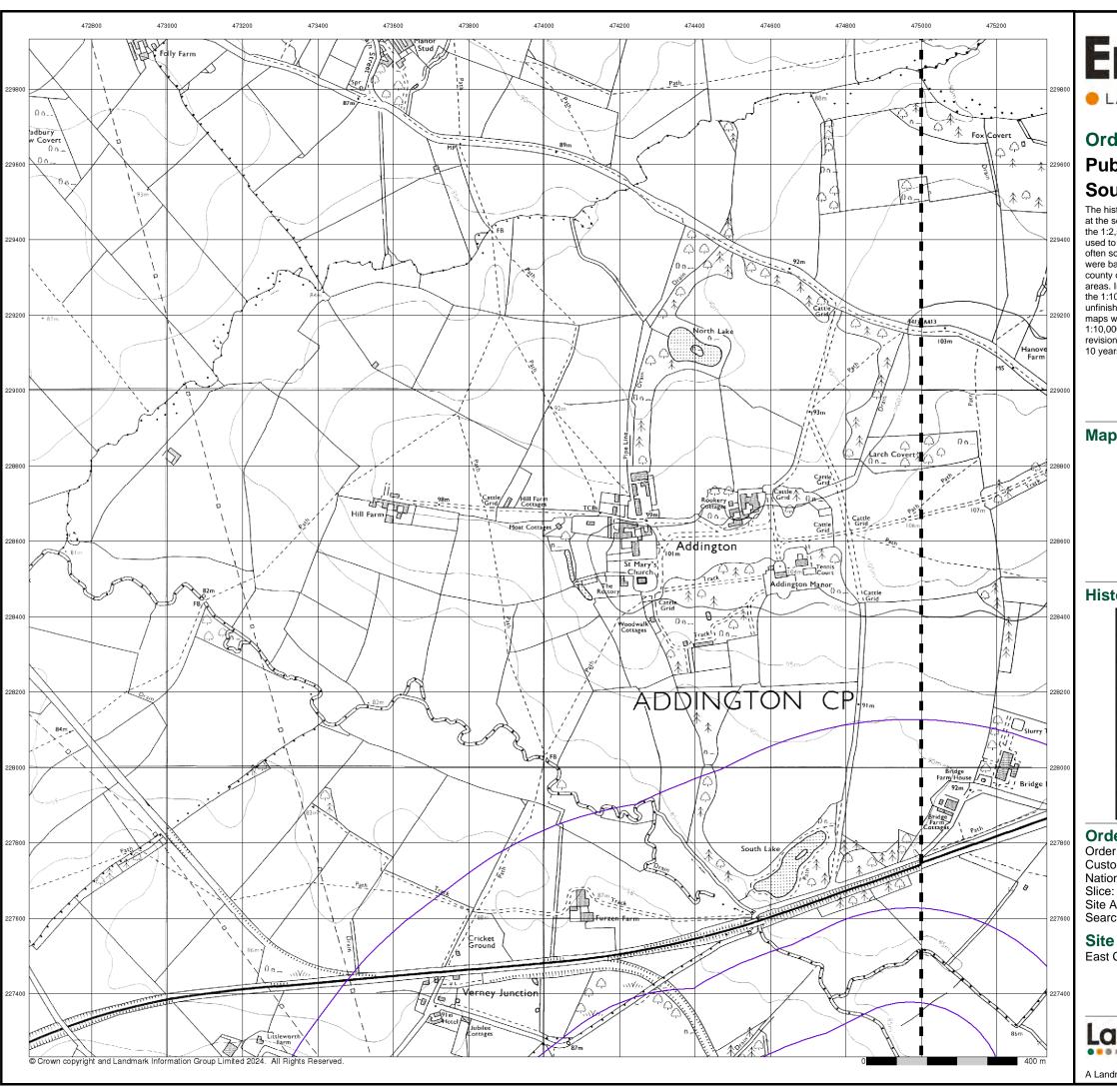
#### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 8 of 12

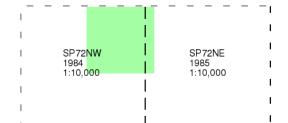


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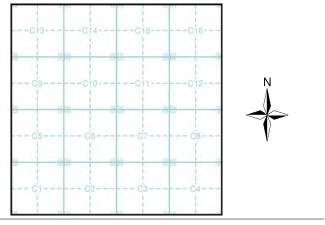
# Ordnance Survey Plan Published 1984 - 1985 Source map scale - 1:10,000

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



## **Historical Map - Slice C**



### **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358

National Grid Reference: 474530, 227600

Site Area (Ha): 61.62 Search Buffer (m): 1000

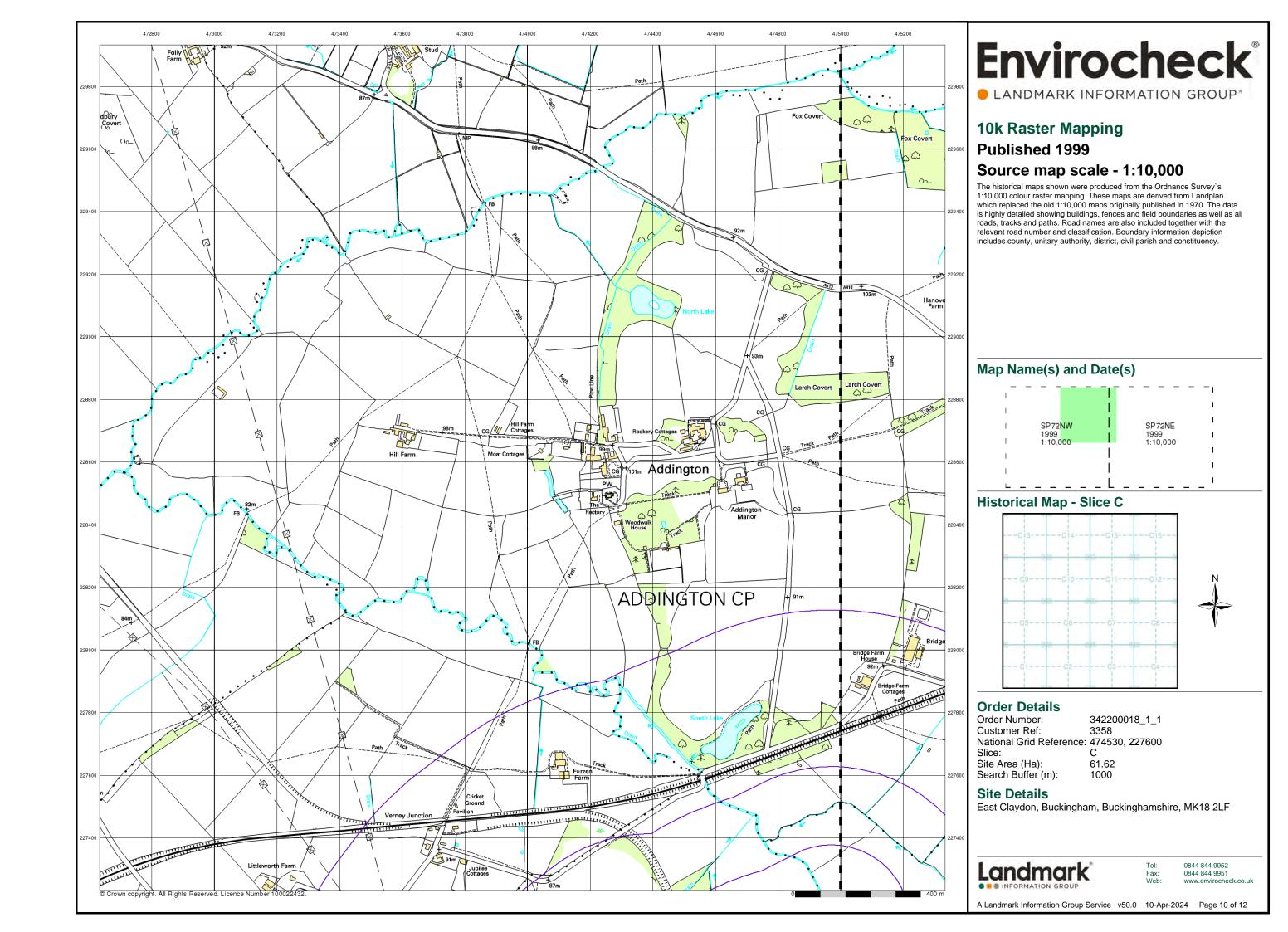
#### **Site Details**

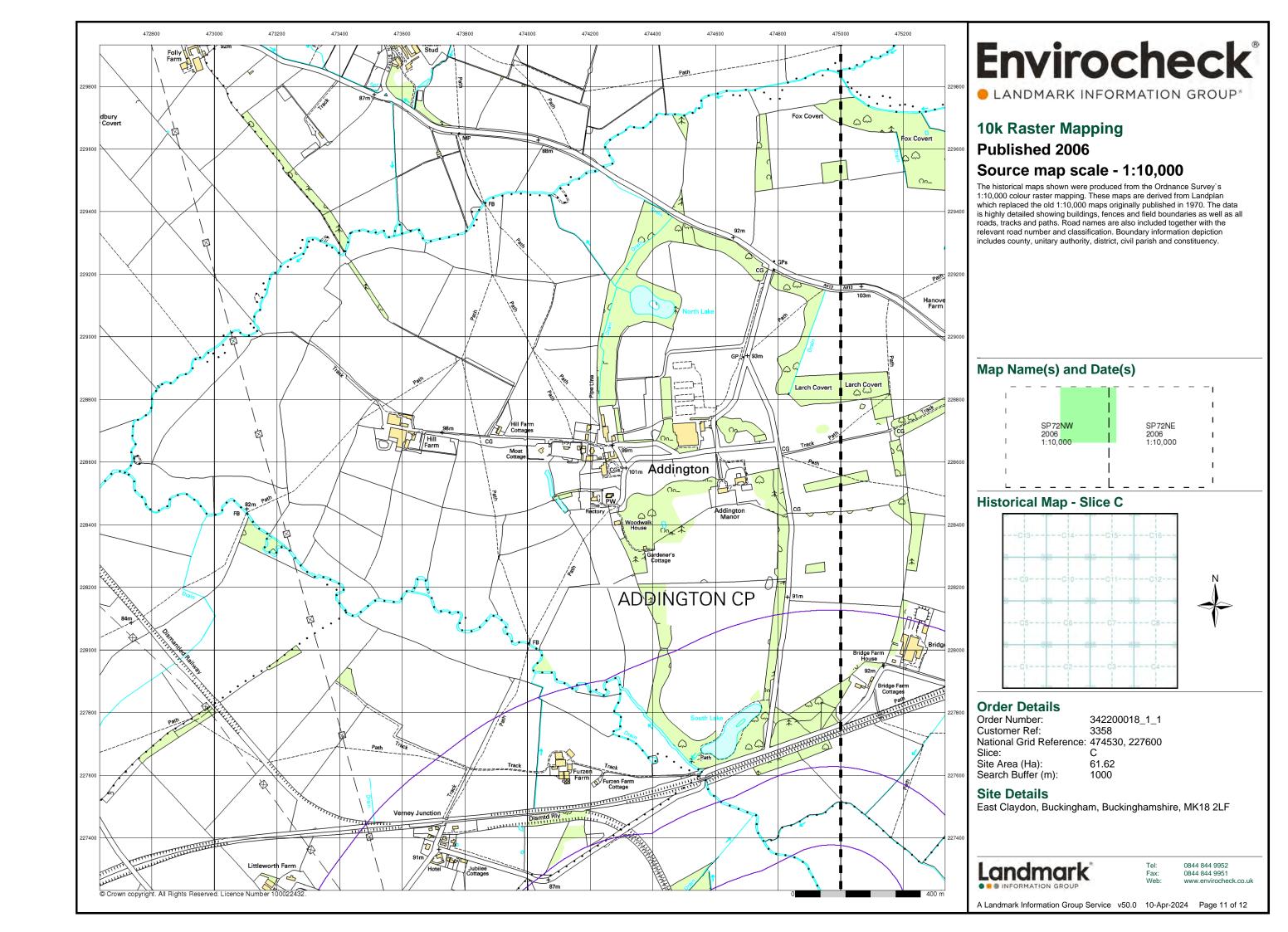
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

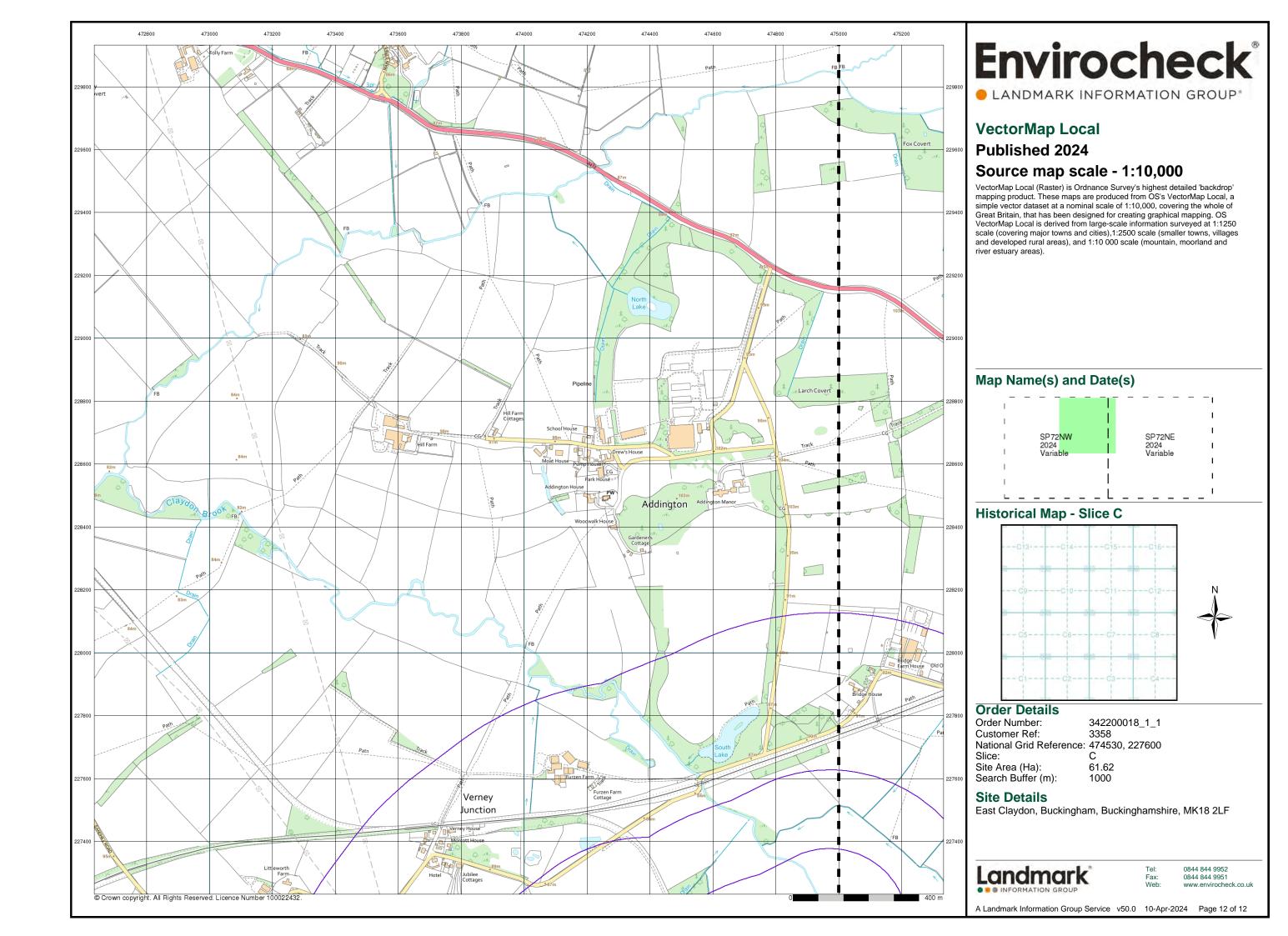
Landmark\*

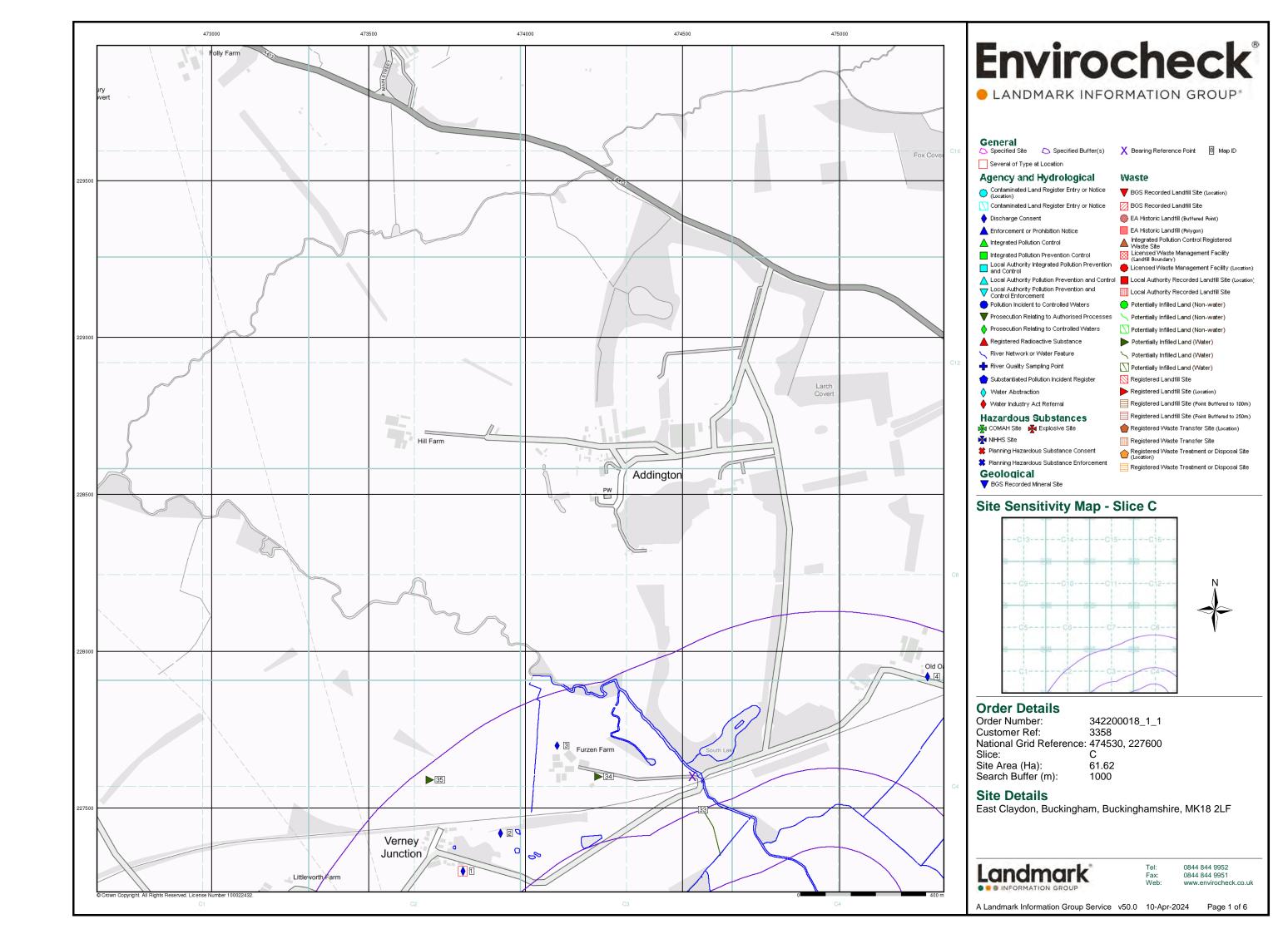
Tel: 0844 844 9952 Fax: 0844 844 9951 Web: www.envirocheck

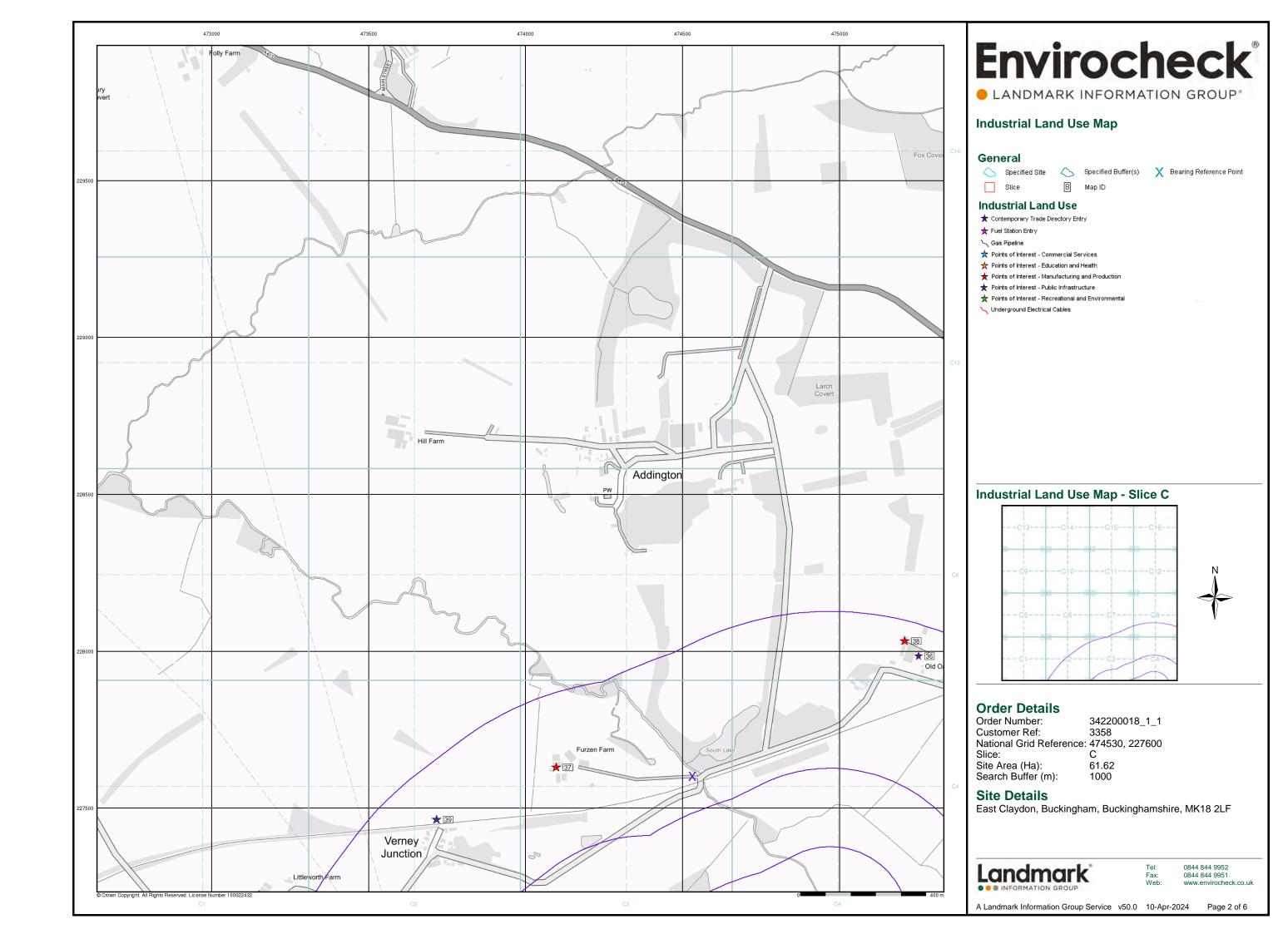
A Landmark Information Group Service v50.0 10-Apr-2024 Page 9 of 12

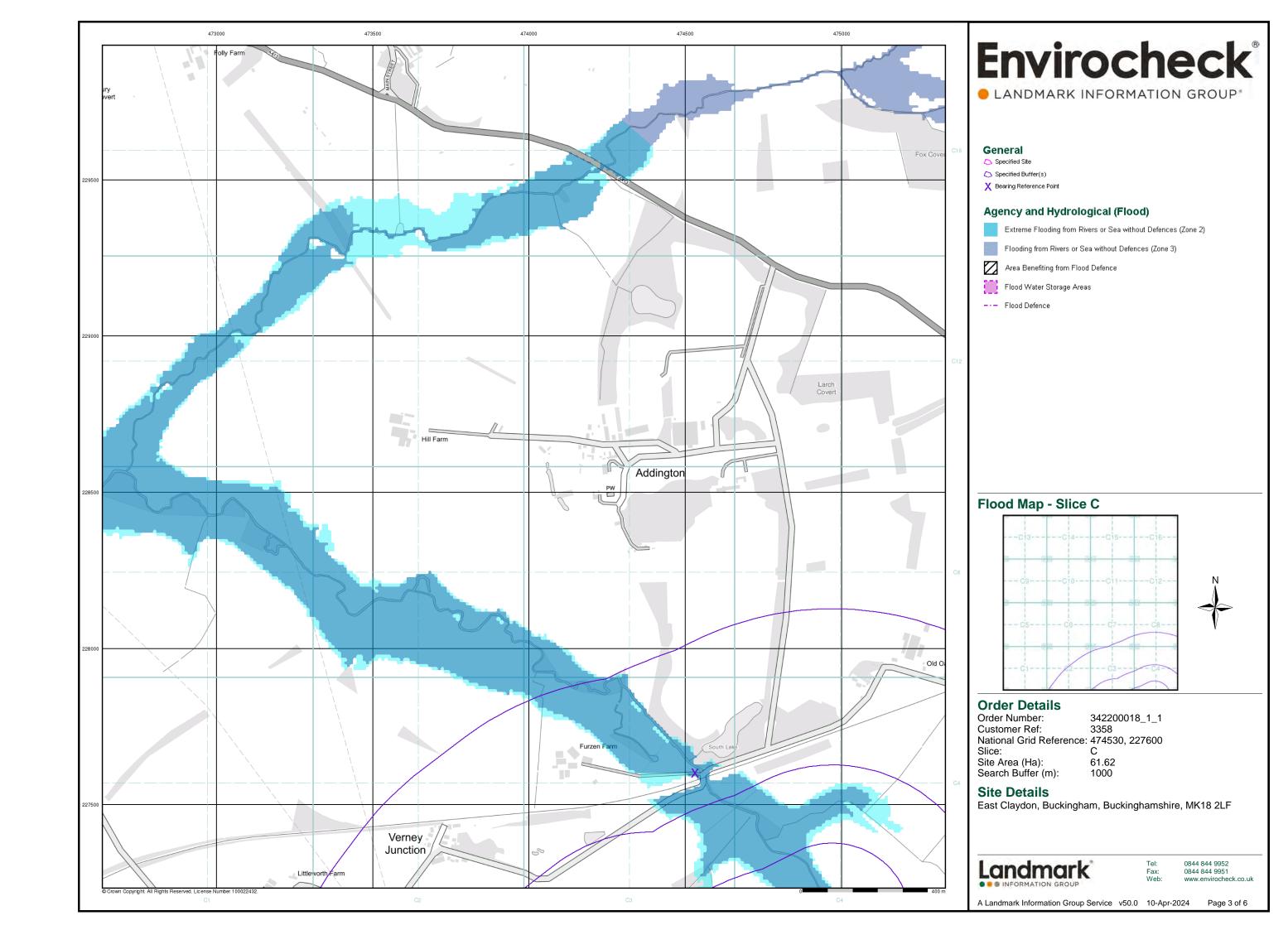


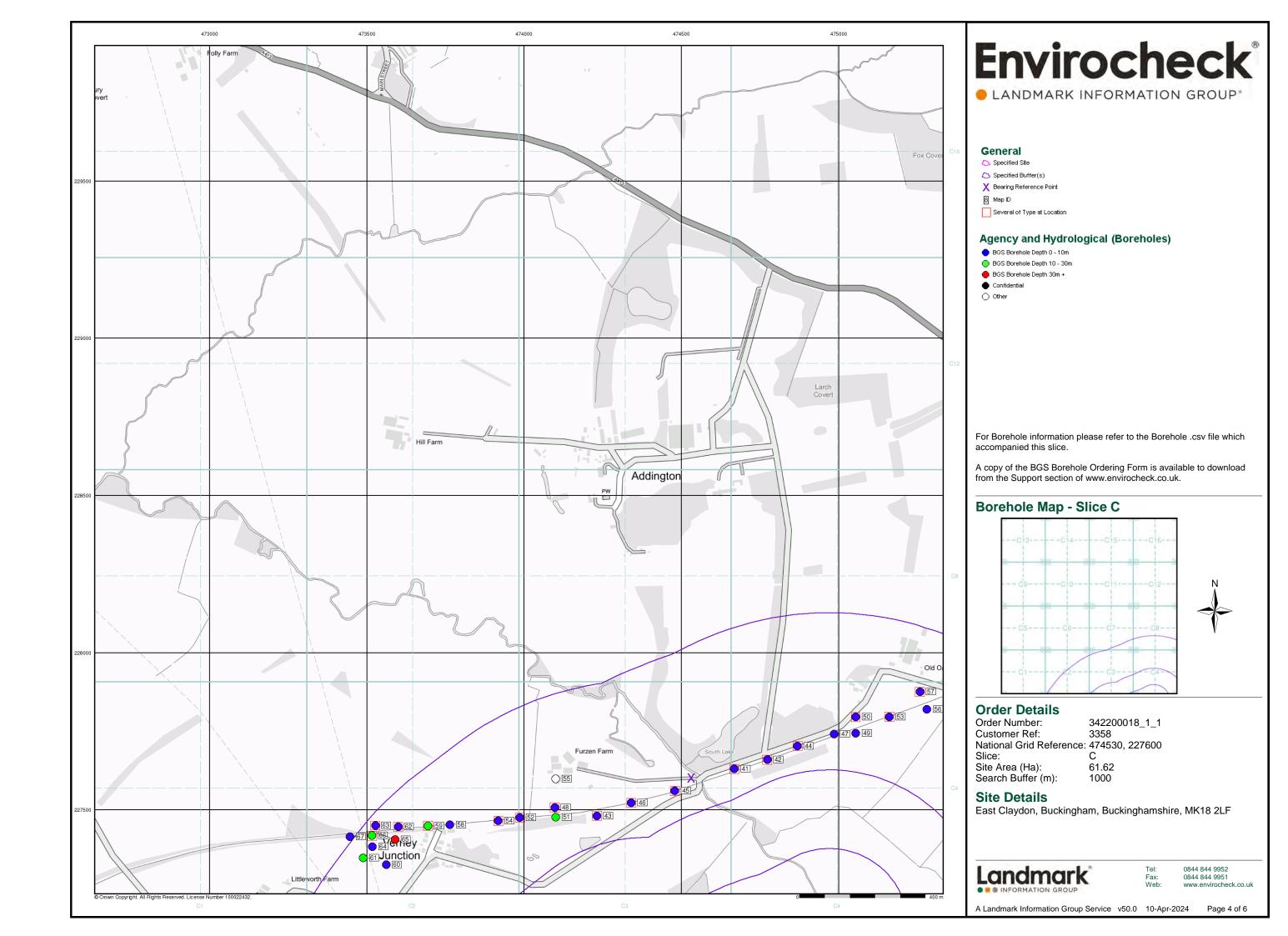


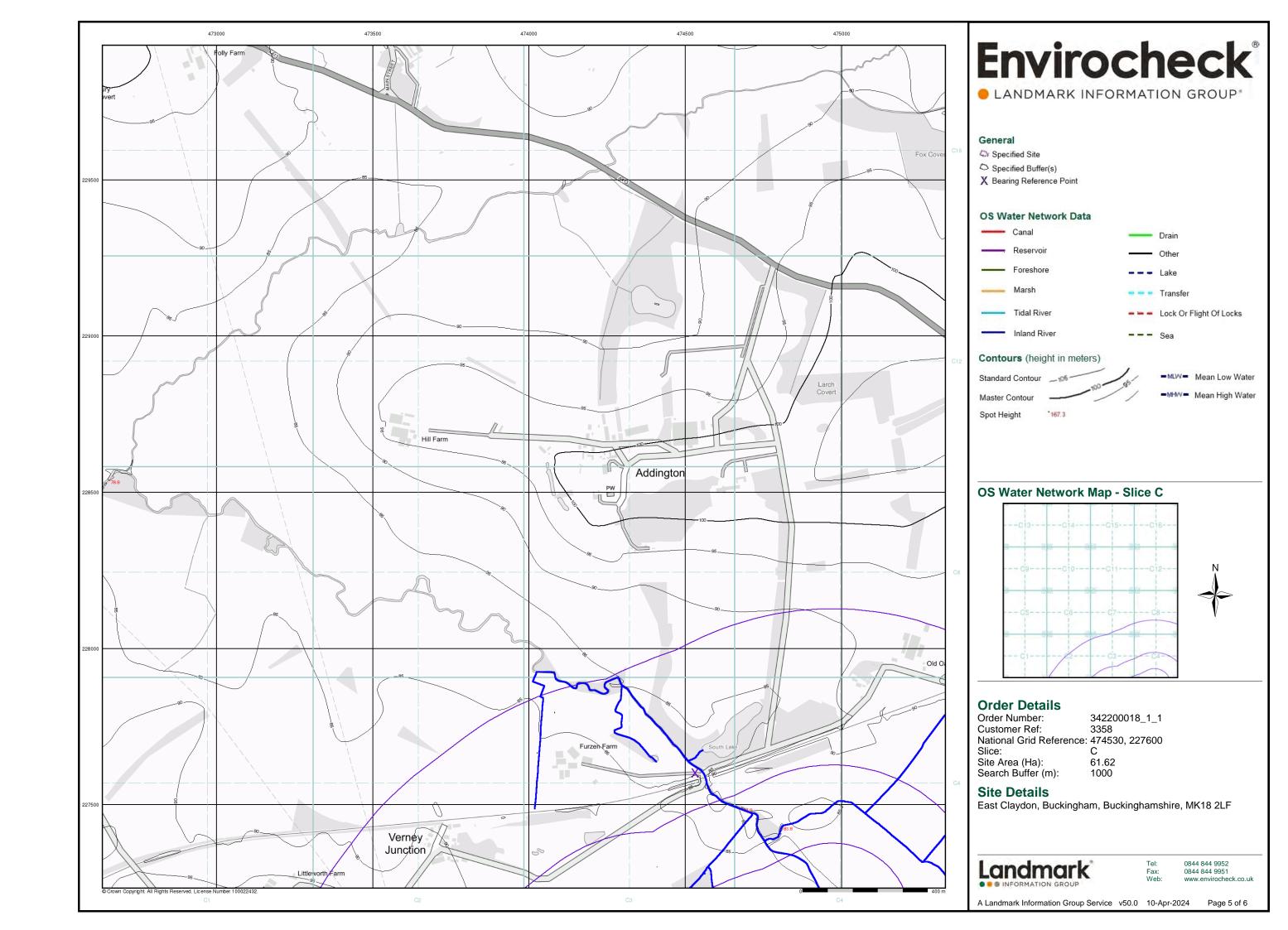


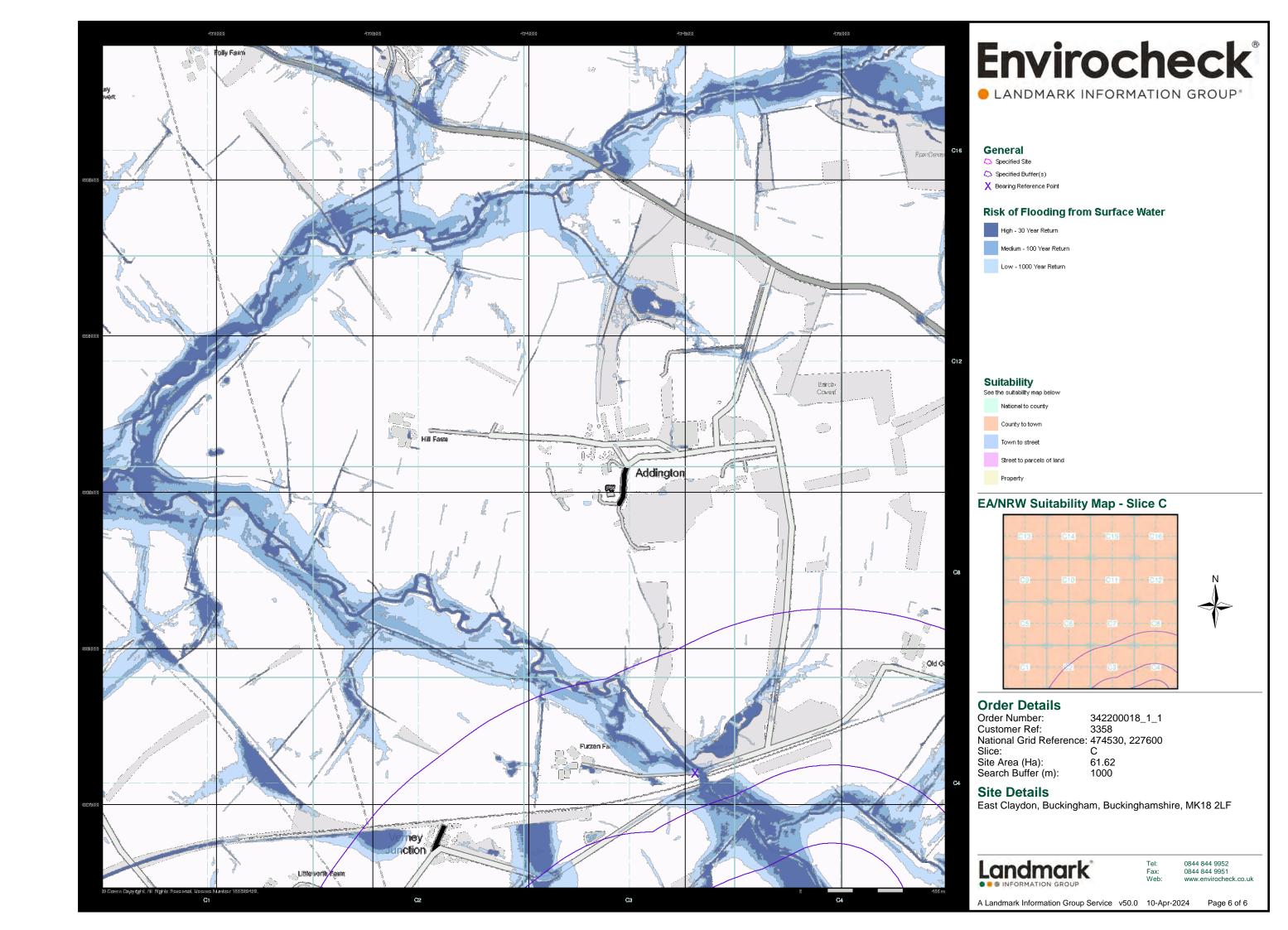


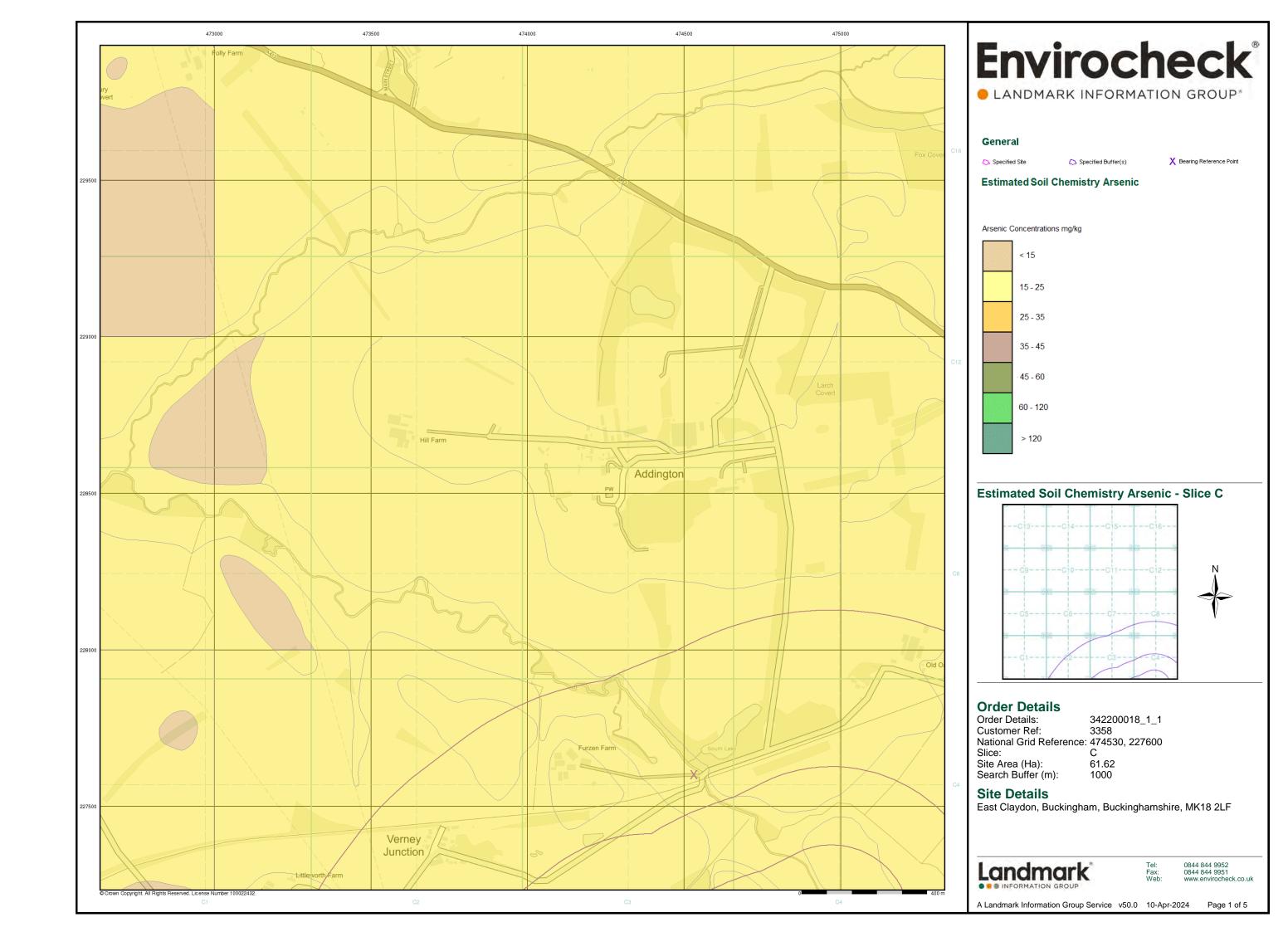


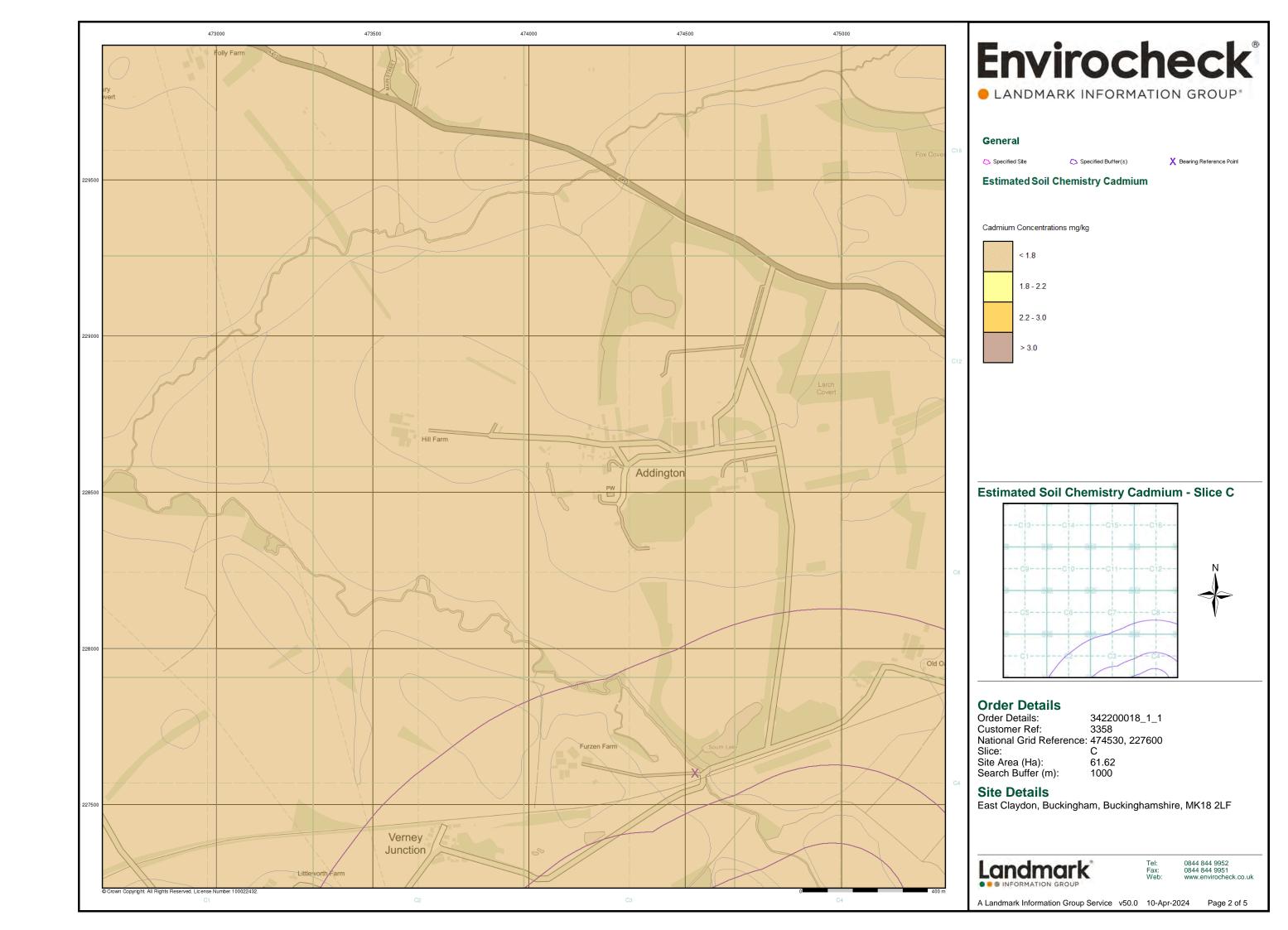


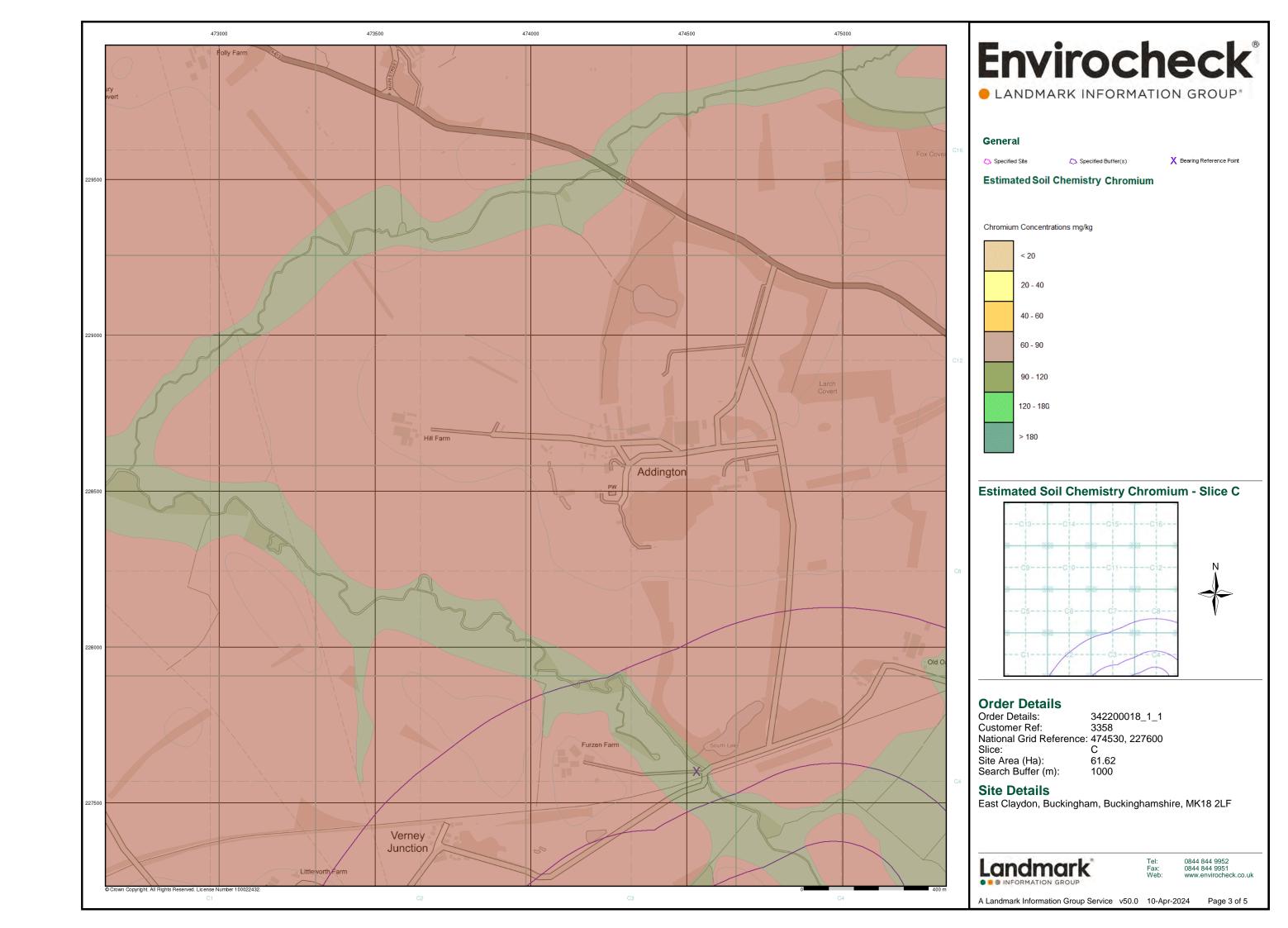


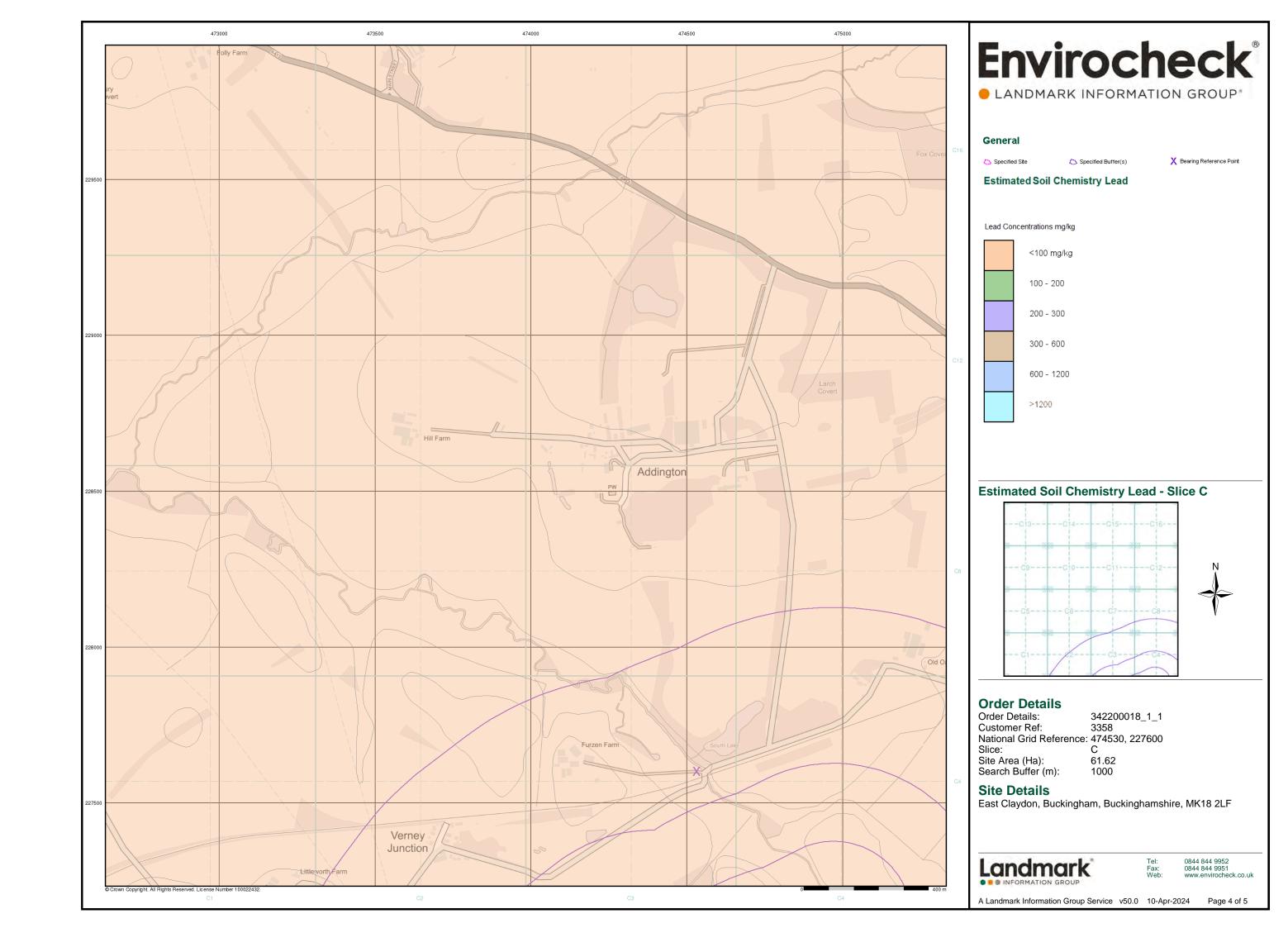


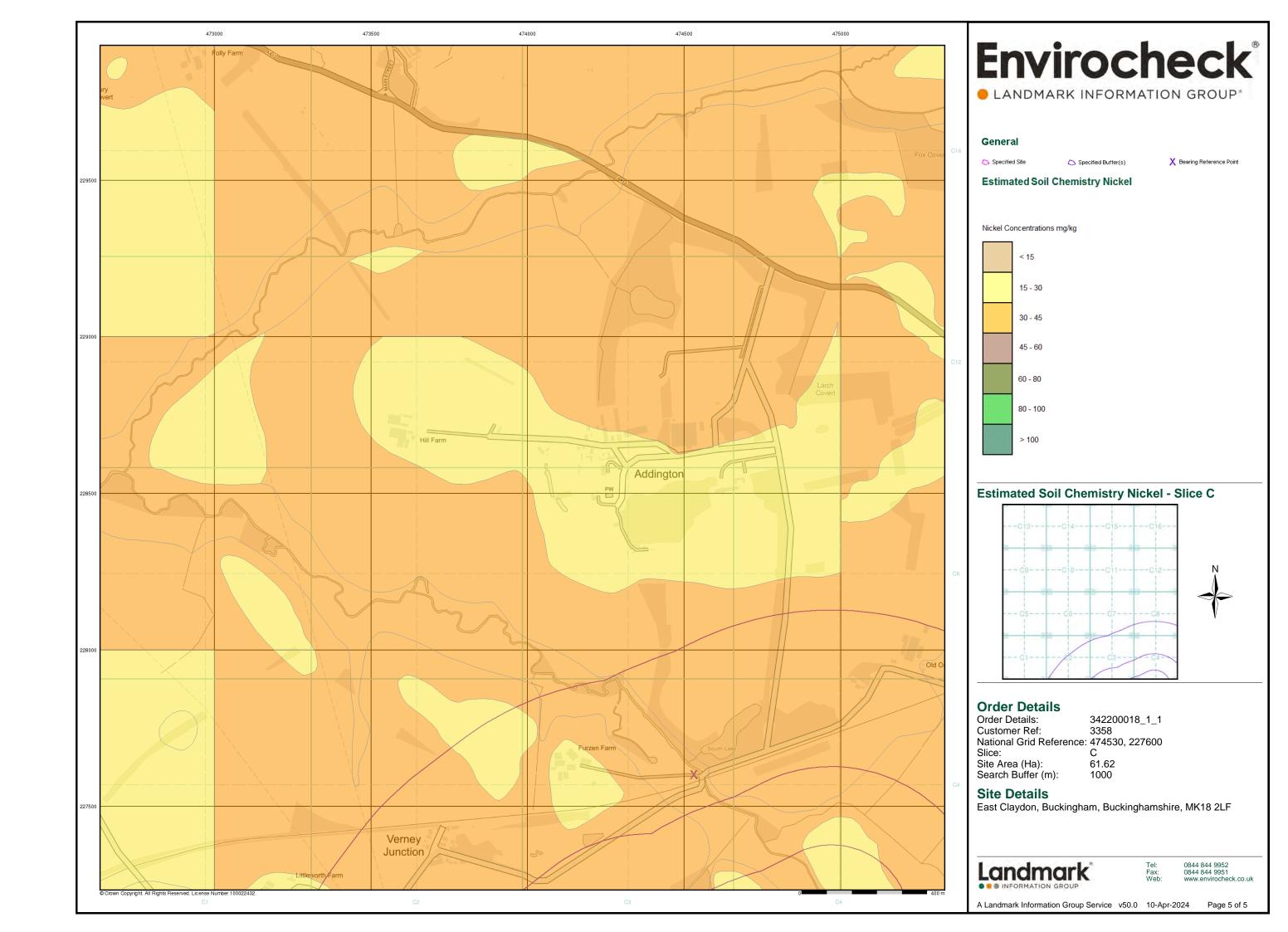


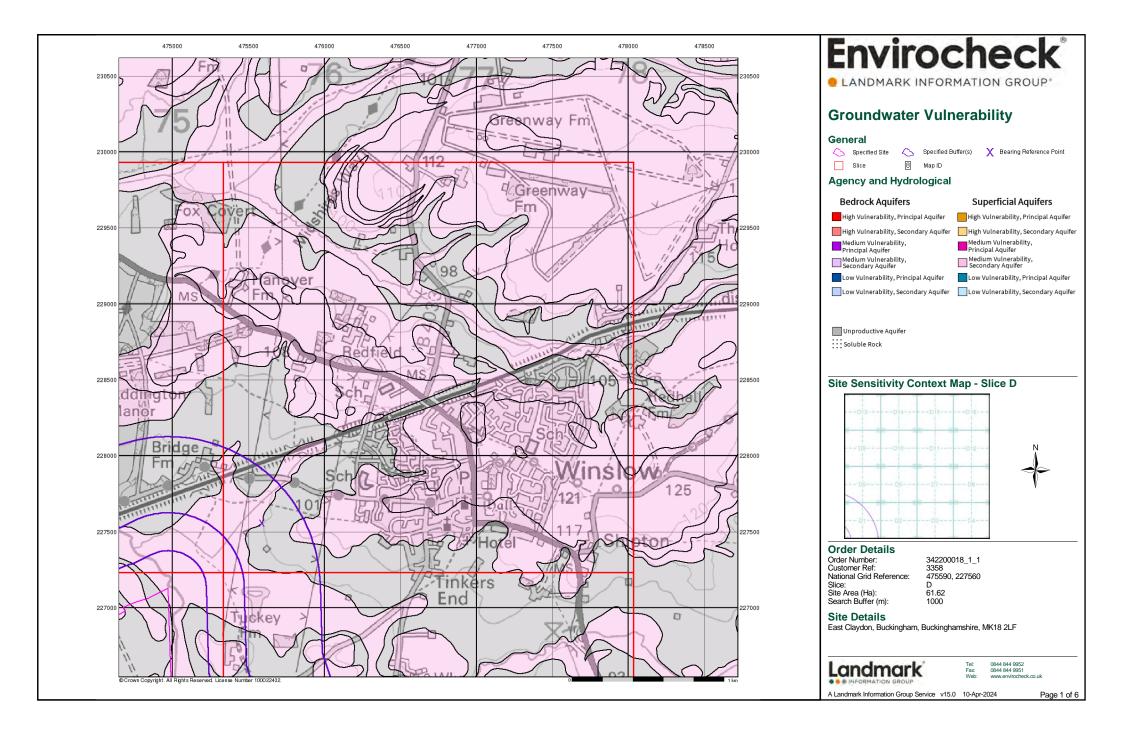


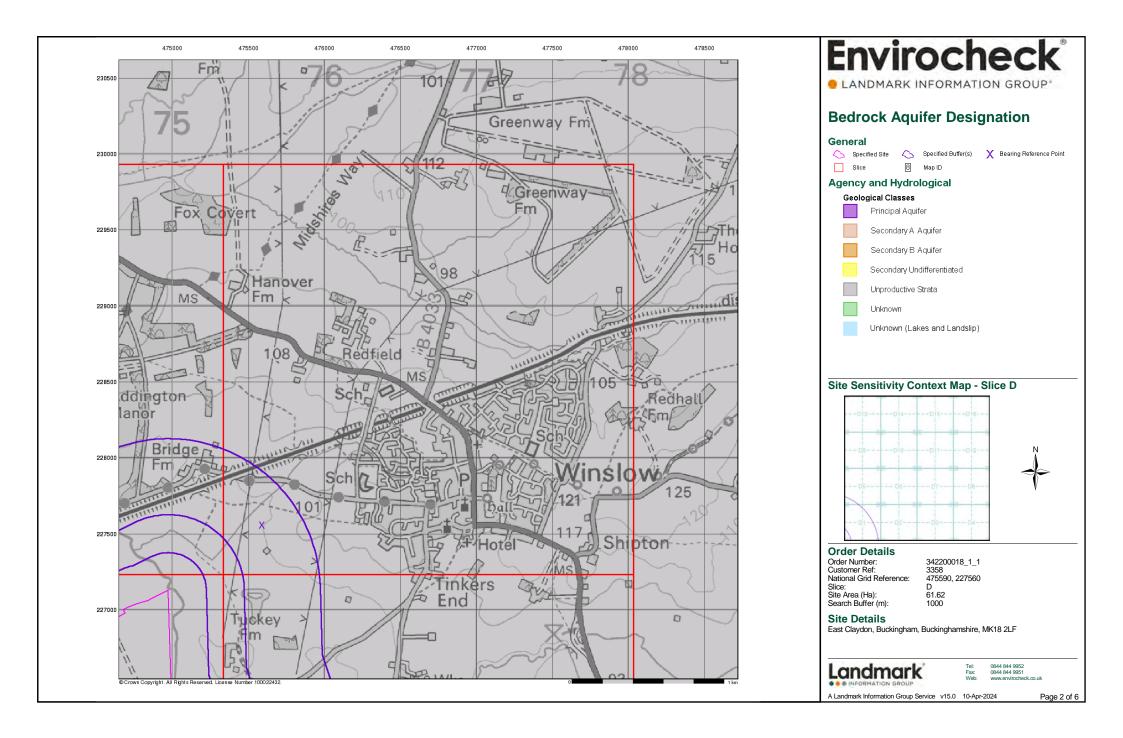


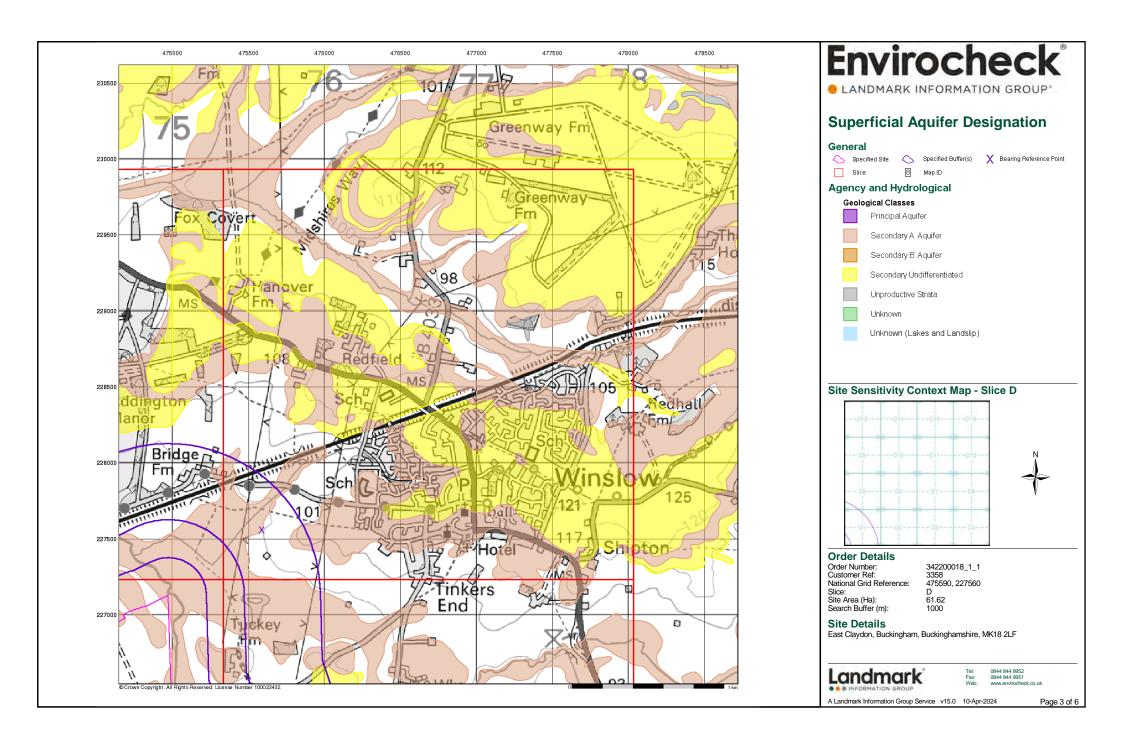


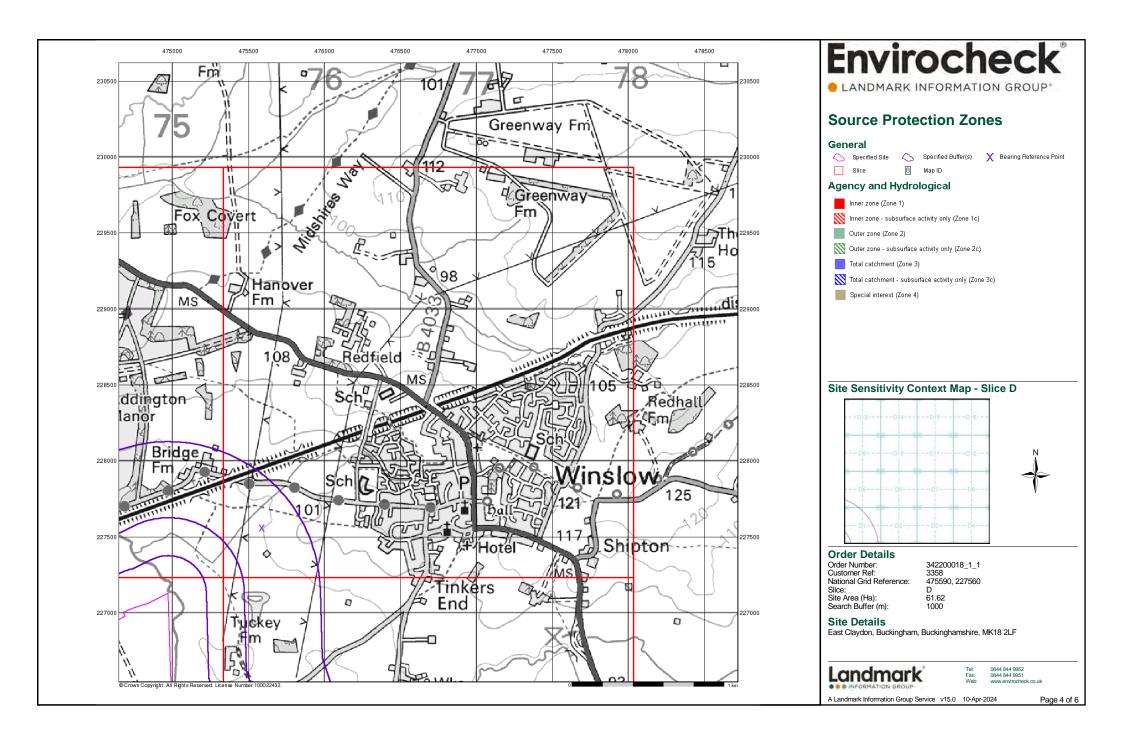


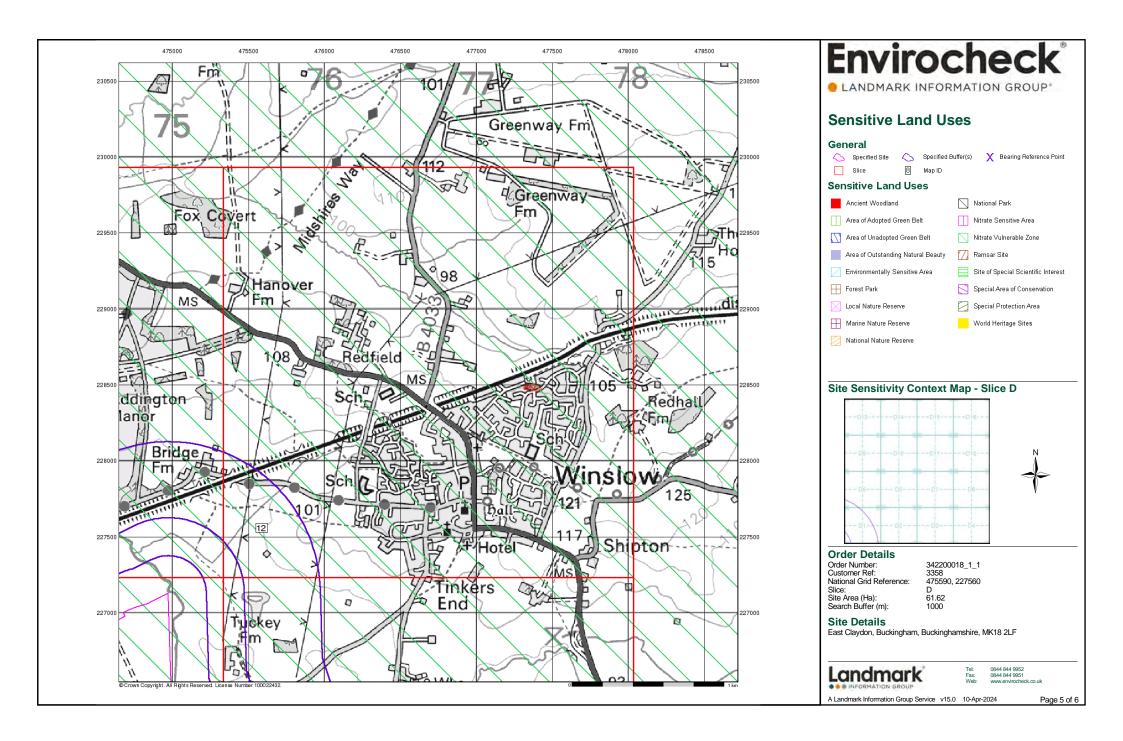


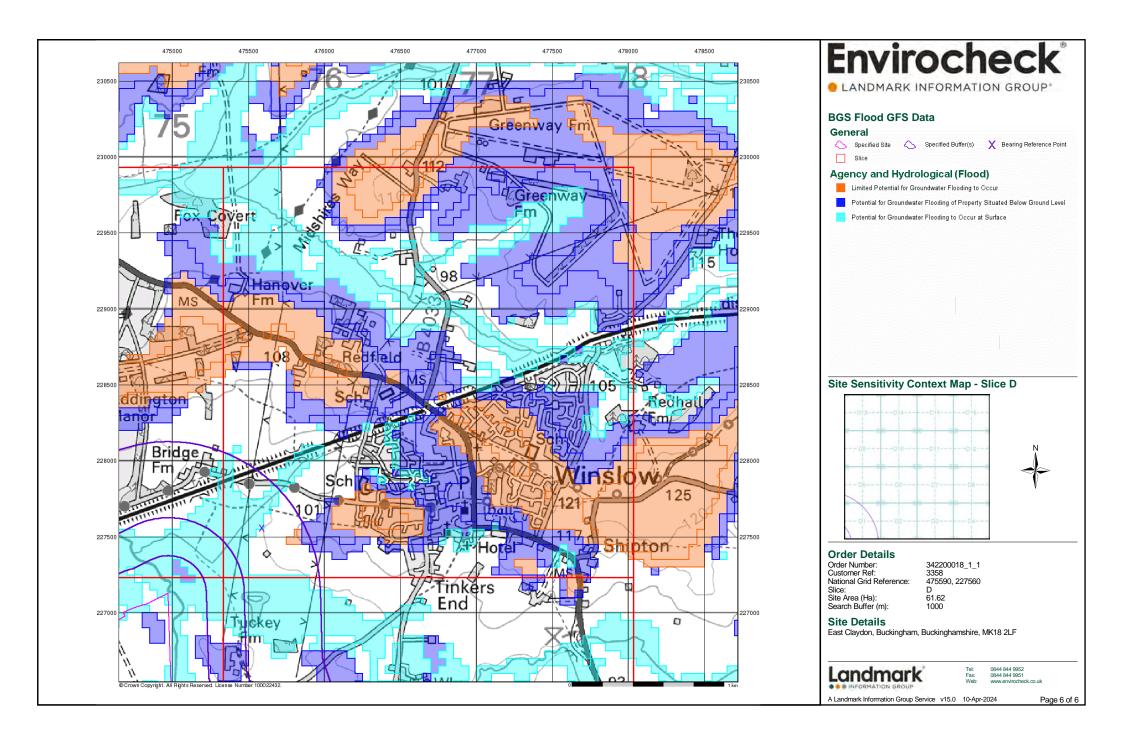














## **Envirocheck® Report:**

## **Datasheet**

## **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

475590, 227560

Slice:

D

Site Area (Ha):

61.62

Search Buffer (m):

1000

## **Site Details:**

East Claydon Buckingham Buckinghamshire MK18 2LF

## **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN



Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service





Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	6
Hazardous Substances	-
Geological	7
Industrial Land Use	-
Sensitive Land Use	9
Data Currency	10
Data Suppliers	16
Useful Contacts	17

#### Introduction

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

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

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Report Version v53.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 1	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 4			4	7



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 6	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
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 7	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 7	Yes		Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	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					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production					
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
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					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 9	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater I Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	475000 227550
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	475000 226650
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	D1SW (NW)	0	1	475587 227557
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474950 226950
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	474900
	BGS Groundwater I Flooding Type:	Flooding Susceptibility Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	108	1	226550 475150
	BGS Groundwater I Flooding Type:	Flooding Susceptibility  Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	167	1	227250 475450
	Nearest Surface Wa	ater Feature	(SW)	345	-	226800 475312 227300
	-	Messrs J + A Nicholson 6/33/02/*s/030 Not Supplied Brooks / Watercourses, ADDINGTON Environment Agency, Anglian Region Spray Irrigation Not Supplied Stream 55 272730 Status: Revoked Not Supplied Located by supplier to within 100m	D1NE (NE)	1134	2	475800 227900
	,	British Railways Board 6/33/02/*s/006 Not Supplied Watercourse Claydon Brook, STEEPLE CLAYDON Environment Agency, Anglian Region Industrial Processing ( Miscellaneous) Not Supplied Stream 18 59100 Status: Revoked Not Supplied Located by supplier to within 100m	D5SE (NE)	1349	2	476000 228000
	Groundwater Vulner Combined Classification: Combined Vulnerability: Combined Aquifer: Pollutant Speed: Bedrock Flow: Dilution: Baseflow Index: Superficial Patchiness: Superficial Thickness: Superficial Recharge:	Unproductive Aquifer (may have productive aquifer beneath) Unproductive Unproductive Bedrock Aquifer, No Superficial Aquifer Low Well Connected Fractures <300 mm/year 40-70% <90% 3-10m High	(SW)	0	3	474985 227000



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	474797 227162
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial	High				
	Recharge:					
	Groundwater Vulne Combined	erability Map Secondary Superficial Aquifer - Medium Vulnerability	(W)	0	3	475000
	Classification:		(**)		3	227540
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	<3m				
	Superficial	High				
	Recharge:					
	Groundwater Vulne Combined	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	474897
	Classification:		(344)		3	226565
	Combined Vulnerability:	Medium				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures <300 mm/year				
	Baseflow Index:	40-70%				
	Superficial Patchiness:	<90%				
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Man				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	474946
	Classification: Combined	Medium				226936
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow: Dilution:	Well Connected Fractures <300 mm/year				
	Baseflow Index: Superficial	40-70% <90%				
	Patchiness:					
	Superficial Thickness:	3-10m				
	Superficial Recharge:	High				



ap D		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	474683
	Classification: Combined	Medium				226992
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness: Superficial	3-10m				
	Thickness:	5-10111				
	Superficial Recharge:	High				
	Groundwater Vulne	erability Map				
	Combined	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	475000
	Classification: Combined	Medium				226763
	Vulnerability:					
	Combined Aquifer:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer				
	Pollutant Speed: Bedrock Flow:	Low Well Connected Fractures				
	Dilution:	<300 mm/year				
	Baseflow Index:	40-70% <90%				
	Superficial Patchiness:	<b>∖∃∪</b> /0				
	Superficial	3-10m				
	Thickness:	Ligh				
	Superficial Recharge:	High				
	Groundwater Vulne		(0)40		0	47540
	Combined Classification:	Secondary Superficial Aquifer - Medium Vulnerability	(SW)	0	3	475102 227000
	Combined	Medium				
	Vulnerability:	Hanna duntina Badasah Assifas Badustina Comantinial Assifas				
	Combined Aquifer: Pollutant Speed:	Unproductive Bedrock Aquifer, Productive Superficial Aquifer Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness:					
	Superficial Thickness:	<3m				
	Superficial	High				
	Recharge:					
	Groundwater Vulne Combined	erability Map  Unproductive Aquifer (may have productive aquifer beneath)	(SW)	0	3	474939
	Classification:	Onproductive Aquiter (may have productive aquiter betteatit)	(344)		J	22708
	Combined	Unproductive				
	Vulnerability: Combined Aquifer:	Unproductive Bedrock Aquifer, No Superficial Aquifer				
	Pollutant Speed:	Low				
	Bedrock Flow:	Well Connected Fractures				
	Dilution: Baseflow Index:	<300 mm/year 40-70%				
	Superficial	<90%				
	Patchiness: Superficial	42m				
	Thickness:	<3m				
	Superficial Recharge:	High				
	Groundwater Vulne	erability - Soluble Rock Risk				
	None					
	Bedrock Aquifer De Aquifer Designation:	esignations Unproductive Strata	(W)	0	3	475000
			(***)			22755
	Bedrock Aquifer De Aquifer Designation:	unproductive Strata	D1SW	0	3	475587
			(NW)			22755
	<b>Superficial Aquifer</b>	Designations				



Page 4 of 17

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	474797 227162
	Superficial Aquifer Designations  Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	475000 226763
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(W)	0	3	475000 227540
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	D1SW (NW)	0	3	475587 227557
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None Flood Defences				
	None				
1	Water Network Lines  Watercourse Form: Inland river Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1NW (NW)	345	4	475536 227634
2	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 139.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	(SW)	345	4	475312 227300
3	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1SW (SW)	415	4	475376 227241
4	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 318.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	(S)	420	4	475473 227227
5	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 157.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	(NW)	632	4	475314 227764
6	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1NW (NW)	788	4	475352 227816



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1NW (NW)	799	4	475359 227825
8	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1NW (NW)	811	4	475366 227835
9	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 24.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1NW (NW)	828	4	475378 227848
10	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 15.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1NW (NW)	851	4	475385 227870
11	OS Water Network Lines  Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	D1NW (NW)	859	4	475377 227884



## Waste

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority La	Local Authority Landfill Coverage				
	Name:	Aylesbury Vale District Council - Has supplied landfill data		0	6	475587 227557
	Local Authority La	ocal Authority Landfill Coverage				
	Name:	Buckinghamshire County Council - Has supplied landfill data		0	5	475587 227557





Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	D1SW (NW)	0	1	475587 227557
	BGS Estimated Soil Chemistry  Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 15 - 25 mg/kg Concentration: Cadmium < 1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg	D1SW (NW)	0	1	475587 227557
	BGS Estimated Soil Chemistry  Source: British Geological Survey, National Geoscience Information Service  Soil Sample Type: Rural Soil 15 - 25 mg/kg  Concentration: Cadmium < 1.8 mg/kg  Concentration: Chromium 60 - 90 mg/kg  Concentration: Lead Concentration: Lead Concentration: Lead Concentration: Lead Concentration: Nickel 30 - 45 mg/kg  Concentration:	D1SW (SE)	368	1	475588 227556
	BGS Estimated Soil Chemistry  Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg  Concentration: Cadmium <1.8 mg/kg  Concentration: Chromium 60 - 90 mg/kg  Concentration: Lead Concentration: Lead Concentration: Nickel <100 mg/kg  Concentration: Concentration:	D1SE (E)	875	1	475774 227500
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available  Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard  Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Compressible Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Ground Dissolution Stability Hazards  Hazard Potential: No Hazard  Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	47558 22755
	Potential for Landslide Ground Stability Hazards  Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	47558 22755
	Potential for Running Sand Ground Stability Hazards  Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	47558 22755
	Potential for Shrinking or Swelling Clay Ground Stability Hazards  Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	47558 22755
	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	D1SW (NW)	0	1	475587 227557



# **Geological**

Ma <sub>l</sub>		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - R	adon Protection Measures				
		No radon protective measures are necessary in the construction of new dwellings or extensions	D1SW (NW)	0	1	475587 227557
	Source:	British Geological Survey, National Geoscience Information Service				



## **Sensitive Land Use**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nitrate Vulnerabl	e Zones				
12	Name: Description: Source:	Great Ouse Nvz Surface Water Environment Agency, Head Office	D1SW (NW)	0	3	475587 227557



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	December 2019	Annual Rolling Update
Buckinghamshire Council	December 2019	Annual Rolling Update
Environment Agency - Head Office	November 2023	Annually
Discharge Consents		
Environment Agency - Anglian Region	January 2024	Quarterly
Enforcement and Prohibition Notices	Marrah 2042	
Environment Agency - Thames Region	March 2013	
Integrated Pollution Controls	January 2000	
Environment Agency - Thames Region	January 2009	
Integrated Pollution Prevention And Control	0.11.0000	
Environment Agency - South East Region - West Thames Area	October 2023	Quarterly
Environment Agency - Thames Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Variable
Buckinghamshire Council	February 2015	Variable
Local Authority Pollution Prevention and Controls		
Buckinghamshire Council	February 2015	Annual Rolling Update
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Not Applicable
Local Authority Pollution Prevention and Control Enforcements		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2015	Variable
Buckinghamshire Council	February 2015	Variable
Nearest Surface Water Feature		
Ordnance Survey	February 2024	
Pollution Incidents to Controlled Waters		
Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Thames Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Thames Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Thames Region	June 2016	As notified
Environment Agency - Head Office	May 2023	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register	<del>:</del>	
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - Thames Region - West Area	January 2024	Quarterly
Water Abstractions	, -	<u> </u>
Environment Agency - Anglian Region	October 2023	Quarterly
Water Industry Act Referrals	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Environment Agency - Thames Region	October 2017	
	0000012011	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
	Julie 2010	AS HOUNEU
Bedrock Aquifer Designations	la 0010	A =
Environment Agency - Head Office	January 2018	As notified



Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	January 2024	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines		
Ordnance Survey	January 2024	Quarterly
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability		
Environment Agency - Head Office	February 2016	Annually
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	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Thames Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - West Thames Area	January 2024	Quarterly
Environment Agency - Thames Region - West Area	January 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - West Thames Area	January 2023	Quarterly
Environment Agency - Thames Region - West Area	January 2023	Quarterly
Local Authority Landfill Coverage		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	February 2003	Not Applicable
Buckinghamshire Council	February 2003	Not Applicable
Buckinghamshire County Council	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health	October 2018	
Buckinghamshire Council	October 2018	
Buckinghamshire County Council	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - Thames Region - West Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Thames Region - West Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Thames Region - West Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites	•	,
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
·	7.489401.2001	
Planning Hazardous Substance Enforcements  Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2016	Variable
Buckinghamshire Council	February 2016	Variable
Buckinghamshire County Council	February 2023	Variable
	, _0_0	
Planning Hazardous Substance Consents  Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2016	Variable
Buckinghamshire Council	February 2016	Variable
	. 5214417 2010	Valiable



Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	October 2023	Annually



Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	October 2023	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines		
National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services		
PointX	March 2024	Quarterly
Points of Interest - Education and Health		
PointX	March 2024	Quarterly
Points of Interest - Manufacturing and Production		
PointX	March 2024	Quarterly
Points of Interest - Public Infrastructure		
PointX	March 2024	Quarterly
Points of Interest - Recreational and Environmental		
PointX	March 2024	Quarterly
Underground Electrical Cables		
National Grid	February 2023	Bi-Annually



Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Unadopted Green Belt		
Aylesbury Vale District Council (now part of Buckinghamshire Council)	February 2024	Quarterly
Buckinghamshire Council	February 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	February 2024	Bi-Annually
Marine Nature Reserves		
Natural England	February 2024	Bi-Annually
National Nature Reserves		
Natural England	February 2024	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	March 2023	Bi-Annually
Ramsar Sites		
Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest		
Natural England	November 2023	Bi-Annually
Special Areas of Conservation		
Natural England	October 2023	Bi-Annually
Special Protection Areas		
Natural England	October 2023	Bi-Annually





A selection of organisations who provide data within this report

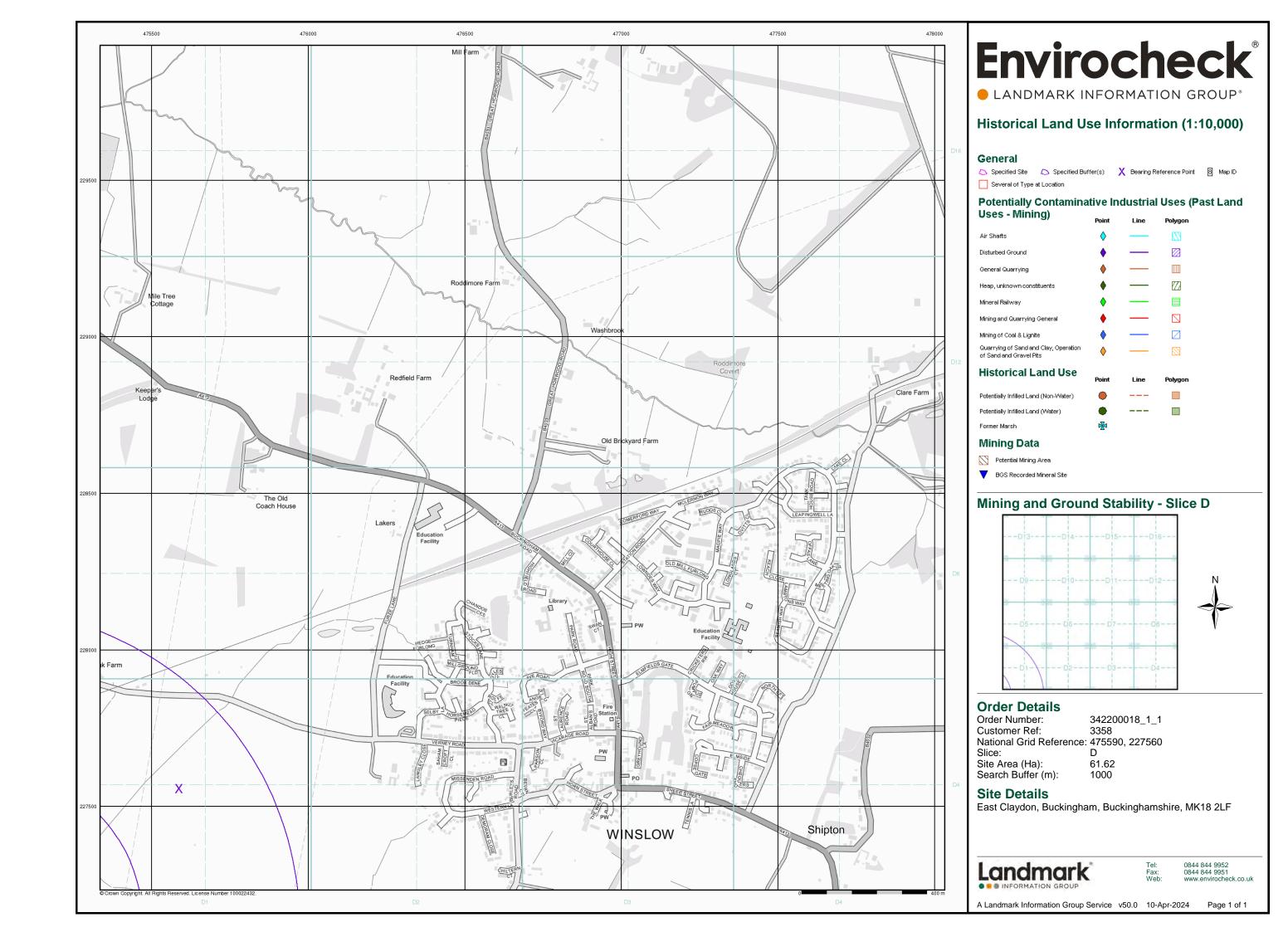
Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
Environment Agency	Environment
Scottish Environment Protection Agency	S E PA
The Coal Authority	The Coal Authority
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	Cyfoeth Naturiol Cymro Matural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE じぶん
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Stantec UK Ltd	Stantec

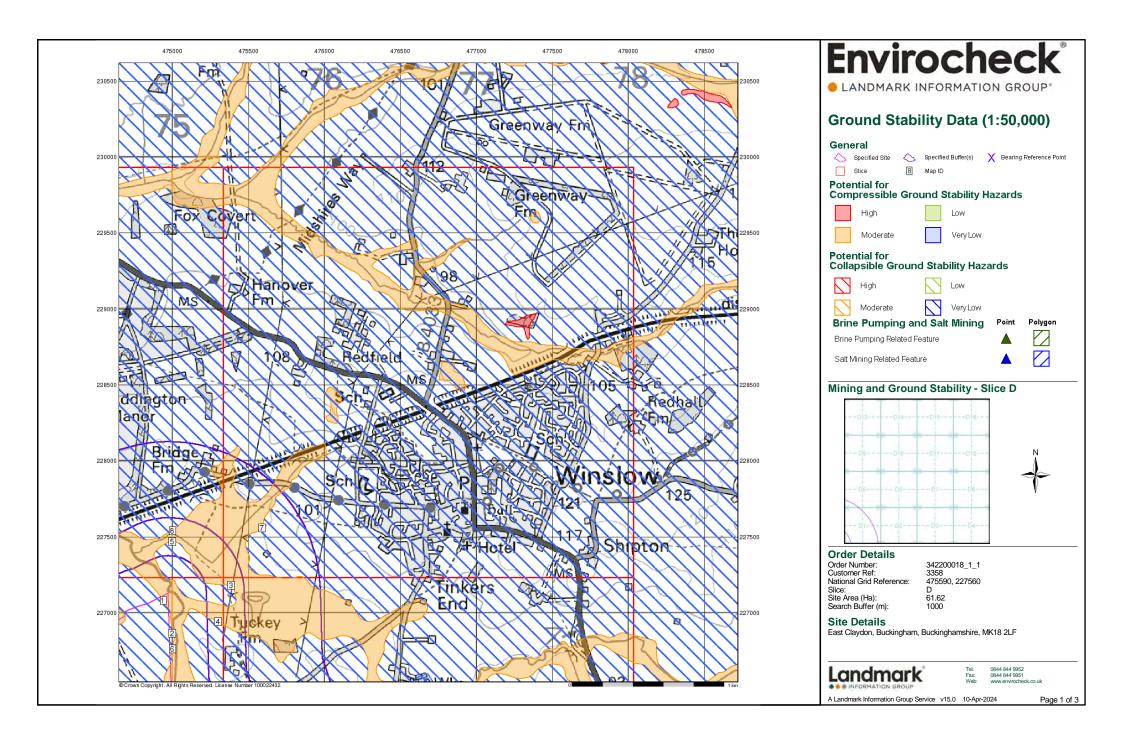


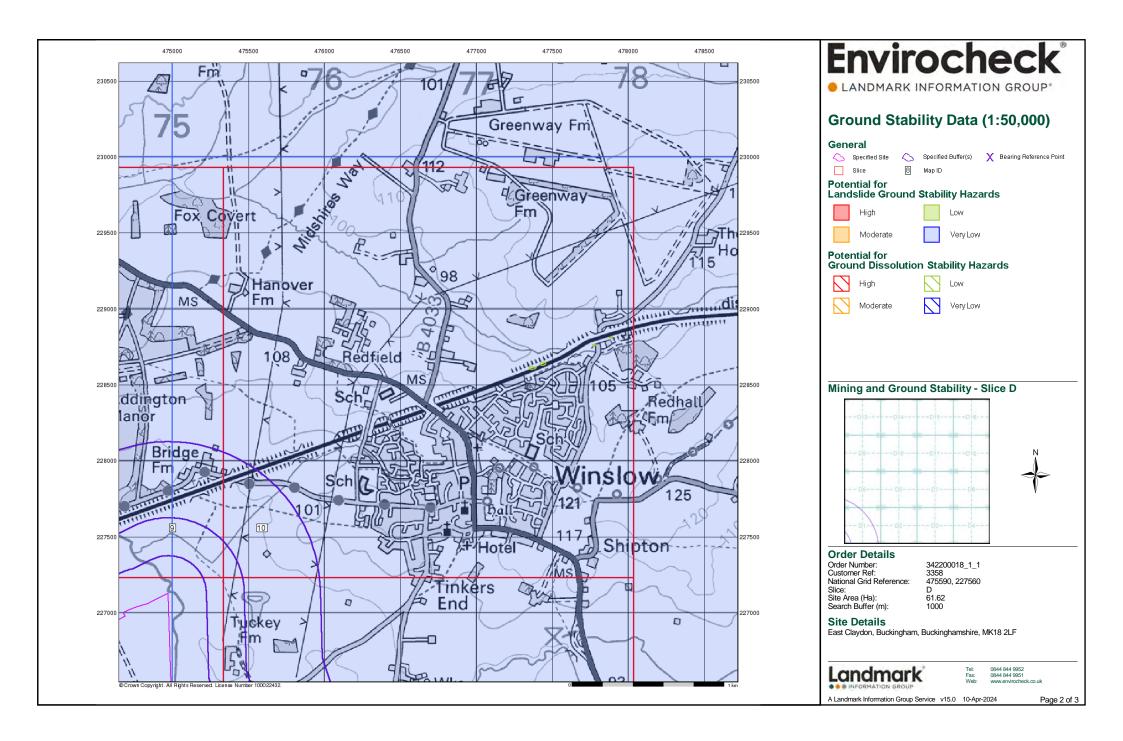
## **Useful Contacts**

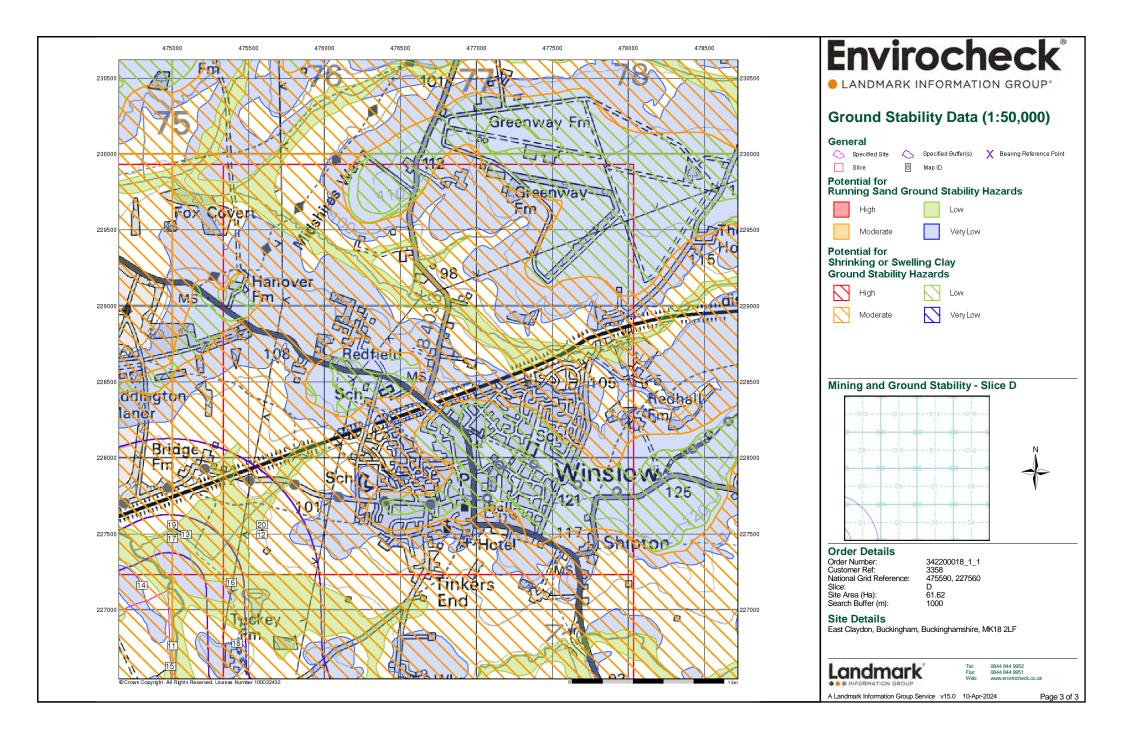
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service  British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
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	Buckinghamshire County Council County Hall, Aylesbury, Buckinghamshire, HP20 1UA	Telephone: 01296 395900 Fax: 01296 88887 Website: www.buckscc.gov.uk
6	Aylesbury Vale District Council (now part of Buckinghamshire Council) - Environmental Health Customer Service Centre, 66 High Street, Aylesbury, Buckinghamshire, HP20 1SD	Telephone: 01296 585858 Fax: 01296 398804 Website: www.aylesburyvaledc.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	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.











# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

## **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

475590, 227560

Slice:

D

Site Area (Ha):

61.62

Search Buffer (m):

1000

## Site Details:

East Claydon Buckingham Buckinghamshire MK18 2LF

## **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN







Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

### Historical Land Use Information (1:2,500)

-

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

### **Historical Land Use Information (1:10,000)**

-

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### **Ground Stability Data (1:50,000)**

1

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

## Historical Map List 3

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	4
Data Suppliers	5
Useful Contacts	6

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Report Version v53.0





Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 2	Yes		n/a	n/a
Salt Mining Related Features					





Report Version v53.0



# **Ground Stability Data (1:50,000)**

/lap ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District  The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards	(0)40			4= 4000
1	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	474939 227082
	Potential for Collapsible Ground Stability Hazards				
2	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	19	1	475000
	Source: British Geological Survey, National Geoscience Information Service  Potential for Collapsible Ground Stability Hazards				226864
3	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Services	(SW)	75	1	475385 227180
	Potential for Collapsible Ground Stability Hazards				
4	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	85	1	475300 226943
	Potential for Collapsible Ground Stability Hazards				
5	Hazard Potential: Very Low	(W)	94	1	475000
	Source: British Geological Survey, National Geoscience Information Service				227467
	Potential for Collapsible Ground Stability Hazards	(14/)	0	4	475000
	Hazard Potential: No Hazard   Source: No Hazard   British Geological Survey, National Geoscience Information Services	(W)	0	1	475000 227540
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	475000 226763
	Potential for Collapsible Ground Stability Hazards				220703
	Hazard Potential: No Hazard	D1SW	0	1	475587
	Source: British Geological Survey, National Geoscience Information Service	(NW)			227557
6	Potential for Compressible Ground Stability Hazards	(6)4()	0	4	475000
6	Hazard Potential:   Moderate   Source:   British Geological Survey, National Geoscience Information Services	(SW)	0	1	475000 226763
	Potential for Compressible Ground Stability Hazards				
7	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Compressible Ground Stability Hazards	,			
8	Hazard Potential: Moderate	(W)	(W) 0 1	475000	
	Source: British Geological Survey, National Geoscience Information Service				227540
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	(SW)	0	1	474939
	Source: British Geological Survey, National Geoscience Information Service				227082
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	(SW)	19	1	475000 226864
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	(SW)	75	1	475385
	Source: British Geological Survey, National Geoscience Information Service				227180
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	(SW)	(SW) 85	1	475300
	Source: British Geological Survey, National Geoscience Information Service		00		226943
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	(W)	94	1	475000 227467
	Potential for Ground Dissolution Stability Hazards				221401
	Hazard Potential: No Hazard	(W)	(W) 0 1	1	475000
	Source: British Geological Survey, National Geoscience Information Service				227557
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard	D1SW	0	1	475587
	Source: British Geological Survey, National Geoscience Information Service		0	1	227557
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Very Low	(W)	0	1	475000



# **Ground Stability Data (1:50,000)**

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Lands	slide Ground Stability Hazards				
10	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Runn	ing Sand Ground Stability Hazards				
11	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	475000 226763
	Potential for Runn	ing Sand Ground Stability Hazards				
12	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Runn	ing Sand Ground Stability Hazards				
13	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 227540
	Potential for Runn	ing Sand Ground Stability Hazards				
14	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	474797 227162
	Potential for Runn	ing Sand Ground Stability Hazards				
15	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	474897 226565
	Potential for Runn					
16	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	75	1	475385 227180
	Potential for Runn	ing Sand Ground Stability Hazards				
17	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(W)	94	1	475000 227467
	Potential for Runn	ing Sand Ground Stability Hazards				
18	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	170	1	475423 226781
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	0	1	474939 227082
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	19	1	475000 226864
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	85	1	475300 226943
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
19	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 227557
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
20	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557





#### No Historical Land Use information available.

## The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Buckinghamshire	019_00	1885
Buckinghamshire	019_NW	1900
Buckinghamshire	019_SW	1900
Buckinghamshire	019_NW	1926
Buckinghamshire	019_SW	1926
Buckinghamshire	019_NW	1952
Buckinghamshire	019_SW	1952
Ordnance Survey Plan	SP72NE	1958
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SP72NE	1985



Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
	1	
Potential for Landslide Ground Stability Hazards	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards	January 2019 January 2019	As notified  As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019	As notified





A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
British Geological Survey	British Geological Survey
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB



## **Useful Contacts**

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
-	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



# **Envirocheck® Report:**

# Mining and Ground Stability Datasheet

## **Order Details:**

**Order Number:** 

342200018\_1\_1

**Customer Reference:** 

3358

**National Grid Reference:** 

475590, 227560

Slice:

D

Site Area (Ha):

61.62

Search Buffer (m):

1000

## Site Details:

East Claydon Buckingham Buckinghamshire MK18 2LF

## **Client Details:**

Mr A Fasano A-squared Studio 66 Church Road Richmond TW10 6LN







Report Section and Details	Page Number
Summary	-

The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.

For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).

#### **Mining and Natural Cavities Data**

The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.

Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.

### Historical Land Use Information (1:2,500)

-

The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.

For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.

### **Historical Land Use Information (1:10,000)**

-

The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.

For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.

#### **Ground Stability Data (1:50,000)**

1

The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.

## Historical Map List 3

The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.

Data Currency	4
Data Suppliers	5
Useful Contacts	6

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 2	Yes		n/a	n/a
Salt Mining Related Features					





Report Version v53.0



# **Ground Stability Data (1:50,000)**

/lap ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District  The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area				
	The site does not fall within the brine subsidence solution area.				
	Potential for Collapsible Ground Stability Hazards	(0)40			.=
1	Hazard Potential: Very Low   Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	474939 227082
	Potential for Collapsible Ground Stability Hazards				
2	Hazard Potential: Very Low Source: British Geological Survey. National Geoscience Information Service	(SW)	19	1	475000
	Source: British Geological Survey, National Geoscience Information Service  Potential for Collapsible Ground Stability Hazards				226864
3	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	(SW) 75		475385 227180
	Potential for Collapsible Ground Stability Hazards				
4	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	85	1	475300 226943
	Potential for Collapsible Ground Stability Hazards				2200.0
5	Hazard Potential: Very Low	(W)	94	1	475000
	Source: British Geological Survey, National Geoscience Information Service				227467
	Potential for Collapsible Ground Stability Hazards	(140)	0	4	475000
	Hazard Potential: No Hazard   Source: No Hazard   British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 227540
	Potential for Collapsible Ground Stability Hazards				
	Hazard Potential: No Hazard Source: No Hazard British Geological Survey, National Geoscience Information Service	(SW)	0	1	475000 226763
	Potential for Collapsible Ground Stability Hazards				220703
	Hazard Potential: No Hazard	D1SW	0	1	475587
	Source: British Geological Survey, National Geoscience Information Service	(NW)			227557
6	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate	(SW)	0	1	475000
	Source: British Geological Survey, National Geoscience Information Service		· ·	•	226763
	Potential for Compressible Ground Stability Hazards				
7	Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Compressible Ground Stability Hazards				
8	Hazard Potential: Moderate	(W)	0	1	475000
	Source: British Geological Survey, National Geoscience Information Service				227540
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	(SW)	0	1	474939
	Source: British Geological Survey, National Geoscience Information Service		-		227082
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard   Source: British Geological Survey, National Geoscience Information Service	(SW)	19	1	475000 226864
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard	(SW)	75	1	475385
	Source: British Geological Survey, National Geoscience Information Service				227180
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard	(SW)	85	1	475300
	Source: British Geological Survey, National Geoscience Information Service				226943
	Potential for Compressible Ground Stability Hazards				
	Hazard Potential: No Hazard   Source: British Geological Survey, National Geoscience Information Service	(W)	94	1	475000 227467
	Potential for Ground Dissolution Stability Hazards				
	Hazard Potential: No Hazard	(W)	0	1	475000
	Source: British Geological Survey, National Geoscience Information Service				227557
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard	D1SW	0	1	475587
	Source: British Geological Survey, National Geoscience Information Service			•	227557
_	Potential for Landslide Ground Stability Hazards				
9	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 227557



### **Ground Stability Data (1:50,000)**

Map ID		Details		Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards					
10	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Runn					
11	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	475000 226763
	Potential for Runn	ing Sand Ground Stability Hazards				
12	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557
	Potential for Runn	ing Sand Ground Stability Hazards				
13	Hazard Potential: Source:	Low British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 227540
	Potential for Runn	ing Sand Ground Stability Hazards				
14	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	474797 227162
	Potential for Running Sand Ground Stability Hazards					
15	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	0	1	474897 226565
	Potential for Runn					
16	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(SW)	75	1	475385 227180
	Potential for Runn	ing Sand Ground Stability Hazards				
17	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(W)	94	1	475000 227467
	Potential for Runn	ing Sand Ground Stability Hazards				
18	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	(S)	170	1	475423 226781
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	0	1	474939 227082
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	19	1	475000 226864
	Potential for Runn	ing Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	(SW)	85	1	475300 226943
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
19	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	(W)	0	1	475000 227557
	Potential for Shrin	king or Swelling Clay Ground Stability Hazards				
20	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	D1SW (NW)	0	1	475587 227557

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 2 of 6





### No Historical Land Use information available.

### The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Buckinghamshire	019_00	1885
Buckinghamshire	019_NW	1900
Buckinghamshire	019_SW	1900
Buckinghamshire	019_NW	1926
Buckinghamshire	019_SW	1926
Buckinghamshire	019_NW	1952
Buckinghamshire	019_SW	1952
Ordnance Survey Plan	SP72NE	1958
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SP72NE	1985



### **Data Currency**

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
Coal Mining Affected Areas		
The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities		
Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features		
Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
	1	
Potential for Landslide Ground Stability Hazards	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards	January 2019 January 2019	As notified  As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service  Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	·	
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service Potential for Shrinking or Swelling Clay Ground Stability Hazards	January 2019	As notified

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 4 of 6





A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Mop data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	<b>Stantec</b>
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB



### **Useful Contacts**

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
-	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

Order Number: 342200018\_1\_1 Date: 10-Apr-2024 rpr\_ec\_datasheet v53.0 A Landmark Information Group Service Page 6 of 6

### Geology 1:50,000 Maps Legends

### **Artificial Ground and Landslip**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
Z	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
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### **Superficial Geology**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	PEAT	Peat	Peat	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary

### **Bedrock and Faults**

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WEY	Weymouth Member	Mudstone	Not Supplied - Oxfordian
	WWB	West Walton Formation	Mudstone	Not Supplied - Oxfordian
	SBY	Stewartby Member	Mudstone	Not Supplied - Callovian
	PET	Peterborough Member	Mudstone	Not Supplied - Callovian

## **Envirocheck**\*

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This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

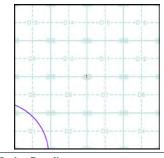
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID:

Map Sheet No: Buckingham 2002 Map Name: Map Date: Available Available Superficial Geology: Artificial Geology: Not Supplied Landslip: Available Not Supplied

### Geology 1:50,000 Maps - Slice D





### **Order Details:**

Order Number: 342200018\_1\_1 Customer Reference: National Grid Reference: 475590, 227560 Site Area (Ha): Search Buffer (m): 61.62 1000

#### Site Details:

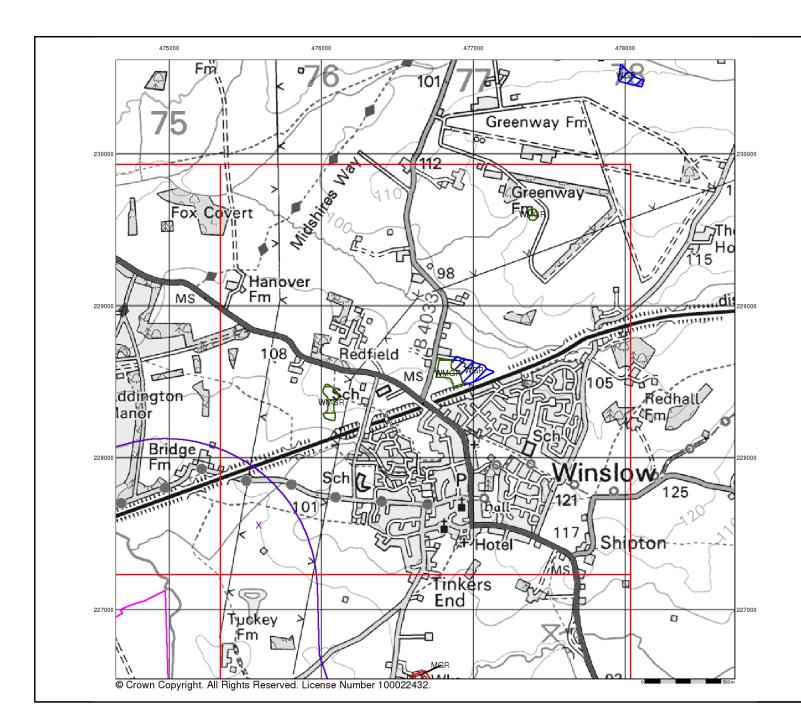
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### **Artificial Ground and Landslip**

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

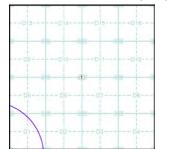
Artificial ground includes:

- Made ground man-made deposits such as embankments and spoil heaps on the natural ground surface.

  - Worked ground - areas where the ground has been cut away such as
- quarries and road cuttings.
- Infilled ground areas where the ground has been cut away then wholly or partially backfilled.
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   Disturbed ground areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground

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

### Artificial Ground and Landslip Map - Slice D





### **Order Details:**

Order Number: 342200018 1 1 Customer Reference: National Grid Reference: 475590, 227560 61.62

Site Area (Ha): Search Buffer (m): 1000

### Site Details:

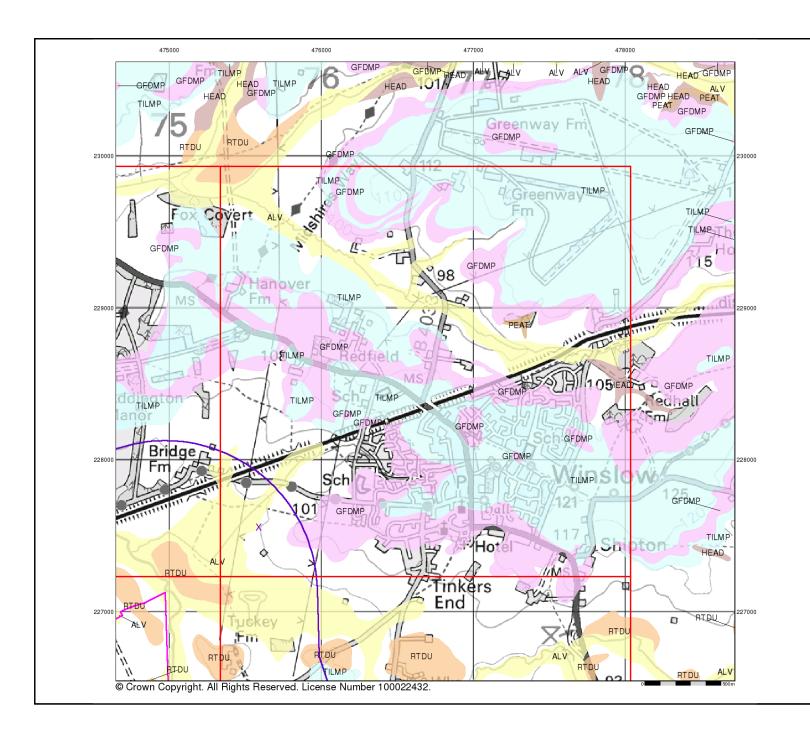
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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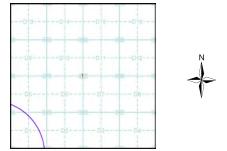
### **Superficial Geology**

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

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

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

### Superficial Geology Map - Slice D



### **Order Details:**

Order Number: Customer Reference: 342200018 1 1 National Grid Reference: 475590, 227560 D 61.62

Site Area (Ha): Search Buffer (m): 1000

### Site Details:

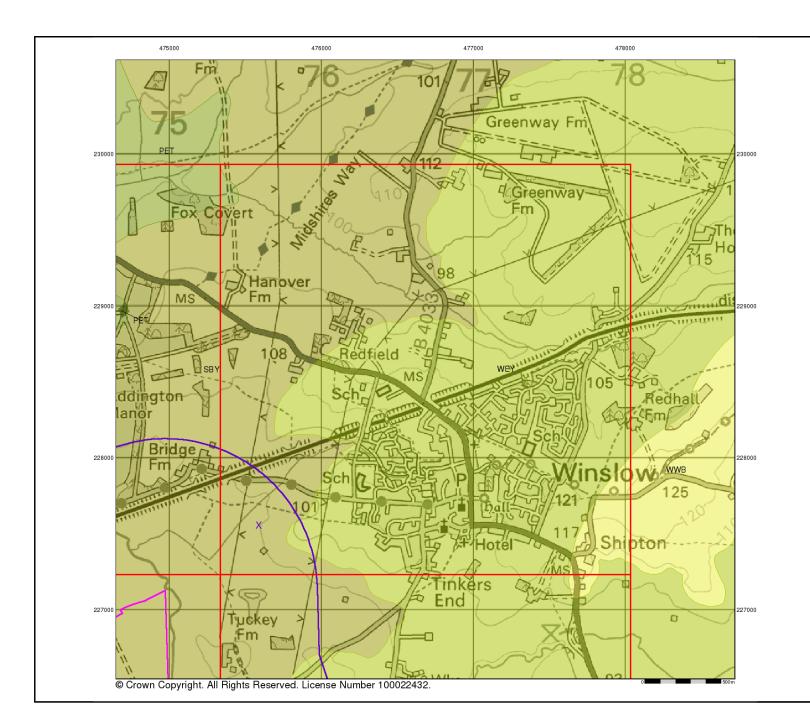
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#### **Bedrock and Faults**

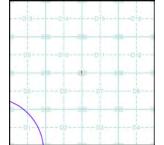
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice D





### **Order Details:**

 Order Number:
 342200018\_1\_1

 Customer Reference:
 3358

 National Grid Reference:
 475590, 227560

 Slice:
 D

 Site Area (Ha):
 6.62

 Search Buffer (m):
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#### Site Details:

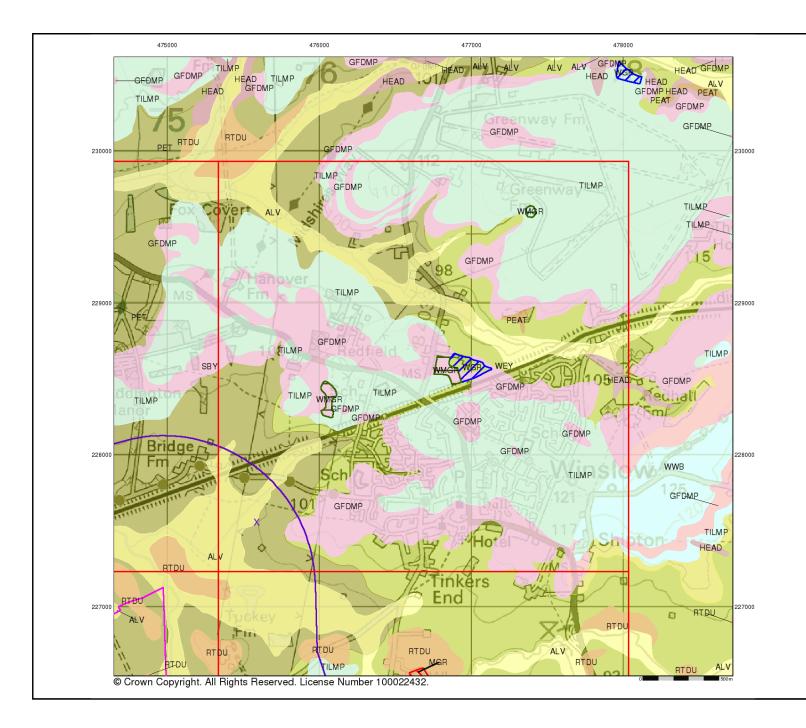
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### Combined Surface Geology

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

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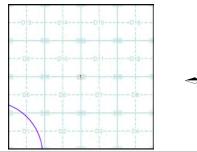
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

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### Order Details:

 Order Number:
 342200018\_1\_1

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 475590, 227560

 Slice:
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#### Site Details:

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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### Geology 1:50,000 Maps Legends

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## **Envirocheck**\*

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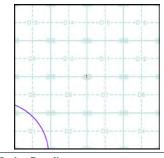
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### Geology 1:50,000 Maps - Slice D





### **Order Details:**

Order Number: 342200018\_1\_1 Customer Reference: National Grid Reference: 475590, 227560 Site Area (Ha): Search Buffer (m): 61.62 1000

#### Site Details:

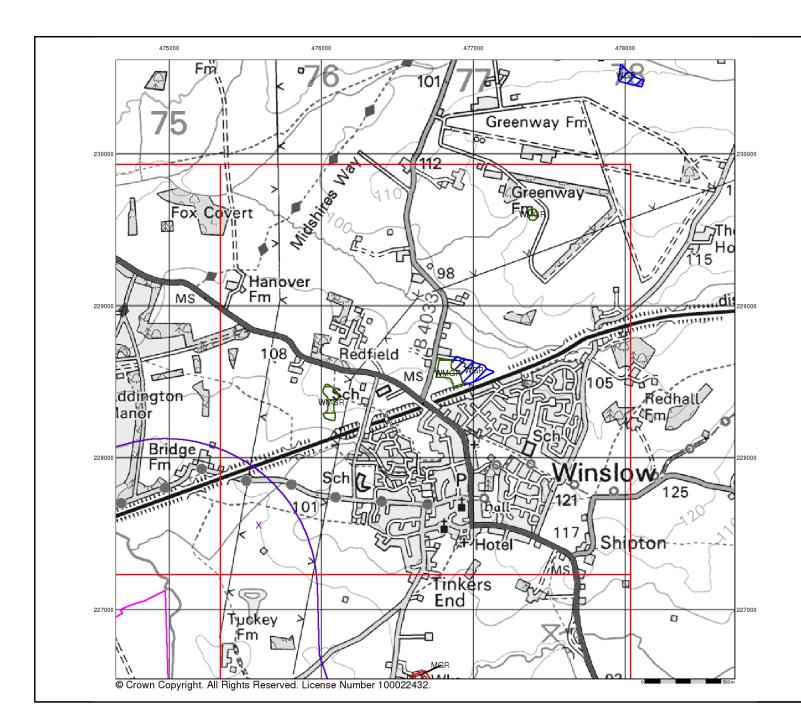
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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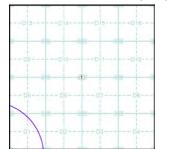
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### **Order Details:**

Order Number: 342200018 1 1 Customer Reference: National Grid Reference: 475590, 227560 61.62

Site Area (Ha): Search Buffer (m): 1000

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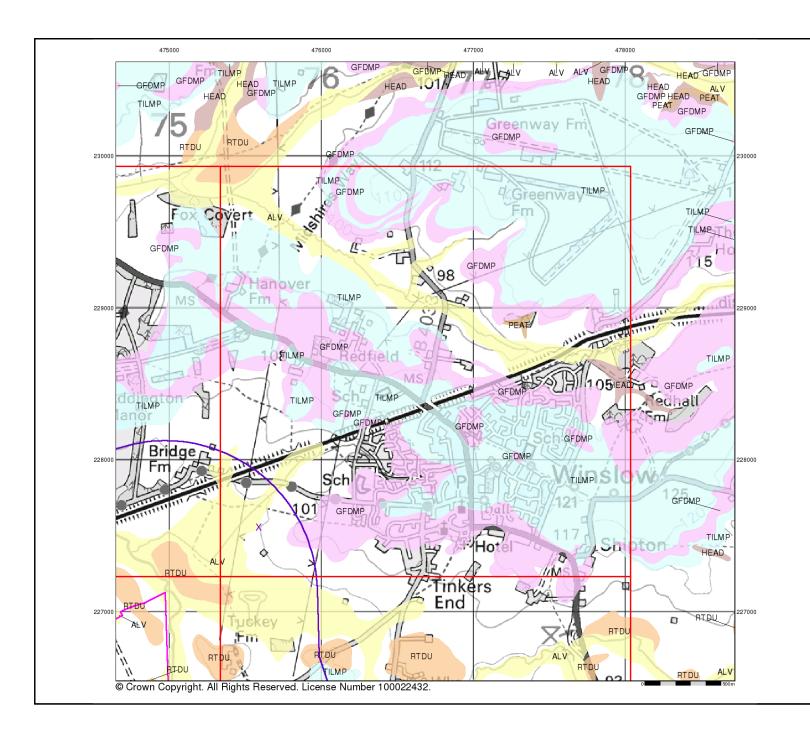
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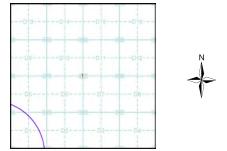
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### Superficial Geology Map - Slice D



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Order Number: Customer Reference: 342200018 1 1 National Grid Reference: 475590, 227560 D 61.62

Site Area (Ha): Search Buffer (m): 1000

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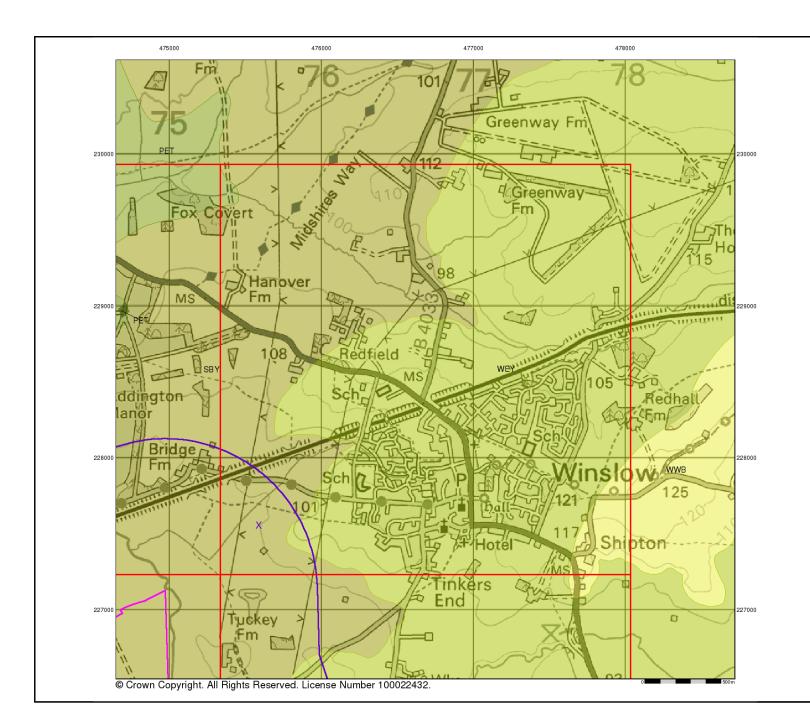
East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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#### **Bedrock and Faults**

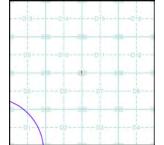
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### Bedrock and Faults Map - Slice D





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 Order Number:
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 National Grid Reference:
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 Slice:
 D

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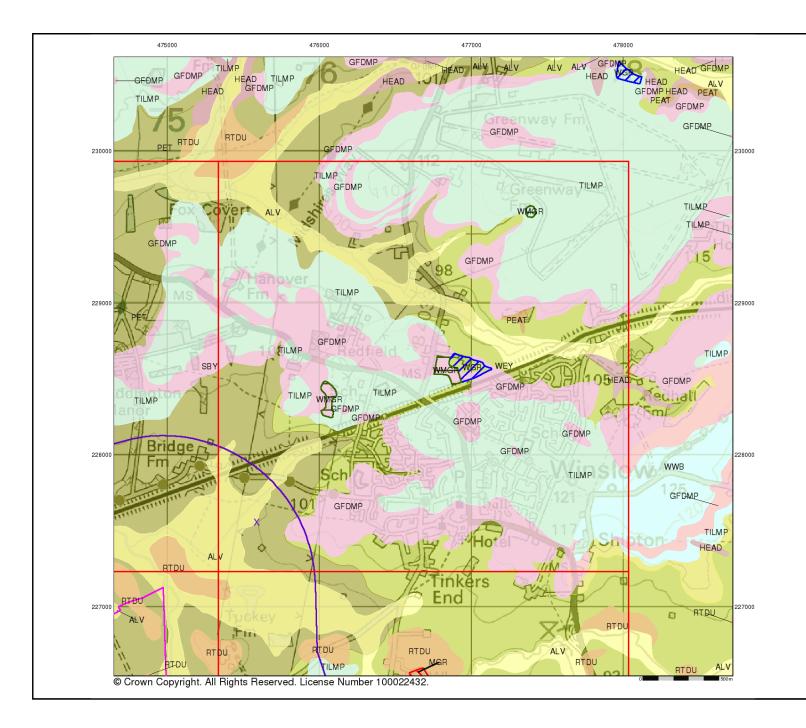
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The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

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

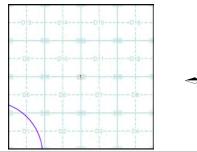
#### **Additional Information**

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

#### Contact

British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 email: enquiries@bgs.ac.uk website: www.bgs.ac.uk

### Combined Geology Map - Slice D



### Order Details:

 Order Number:
 342200018\_1\_1

 Customer Reference:
 3358

 National Grid Reference:
 475590, 227560

 Slice:
 D

 Site Area (Ha):
 61.62

 Search Buffer (m):
 1000

#### Site Details:

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



Fel: 0844 844 9952 Fax: 0844 844 9951 Veb: www.envirocheck.c

v15.0 10-Apr-2024

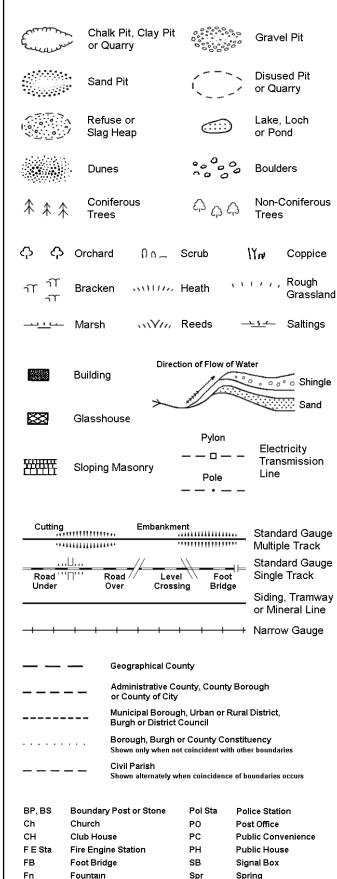
Page 5 of 5

### **Historical Mapping Legends**

### **Ordnance Survey County Series 1:10,560** Other Gravel Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Sunken Road Raised Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

Civil Parish Boundary

### Ordnance Survey Plan 1:10,000



TCB

TCP

Telephone Call Box

Telephone Call Post

GP

**Guide Post** 

Mile Post

### 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock	3 3	Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
********	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)	• • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>۵</sup>	Area of wooded vegetation	۵ <sup>۵</sup>	Non-coniferous trees
$\Diamond$	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	ĊΘ	Positioned tree
4 4 4 4	Orchard	* *	Coppice or Osiers
.ជា .ជា	Rough Grassland	www.	Heath
On_	Scrub	7 <u>₩</u> ۲	Marsh, Salt Marsh or Reeds
5	Water feature	<b>← ←</b>	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)	<b></b>	Electricity transmission line (with poles)
← BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)	$\boxtimes$	Pylon, flare stack or lighting tower
+	Site of (antiquity)		Glasshouse
	General Building		Important

Building

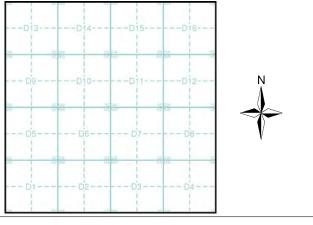
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### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Buckinghamshire	1:10,560	1885	2
Buckinghamshire	1:10,560	1900	3
Buckinghamshire	1:10,560	1926	4
Historical Aerial Photography	1:10,560	1947	5
Buckinghamshire	1:10,560	1952	6
Ordnance Survey Plan	1:10,000	1958	7
Ordnance Survey Plan	1:10,000	1985	8
10K Raster Mapping	1:10,000	1999	9
10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2024	11

### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 475590, 227560 Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

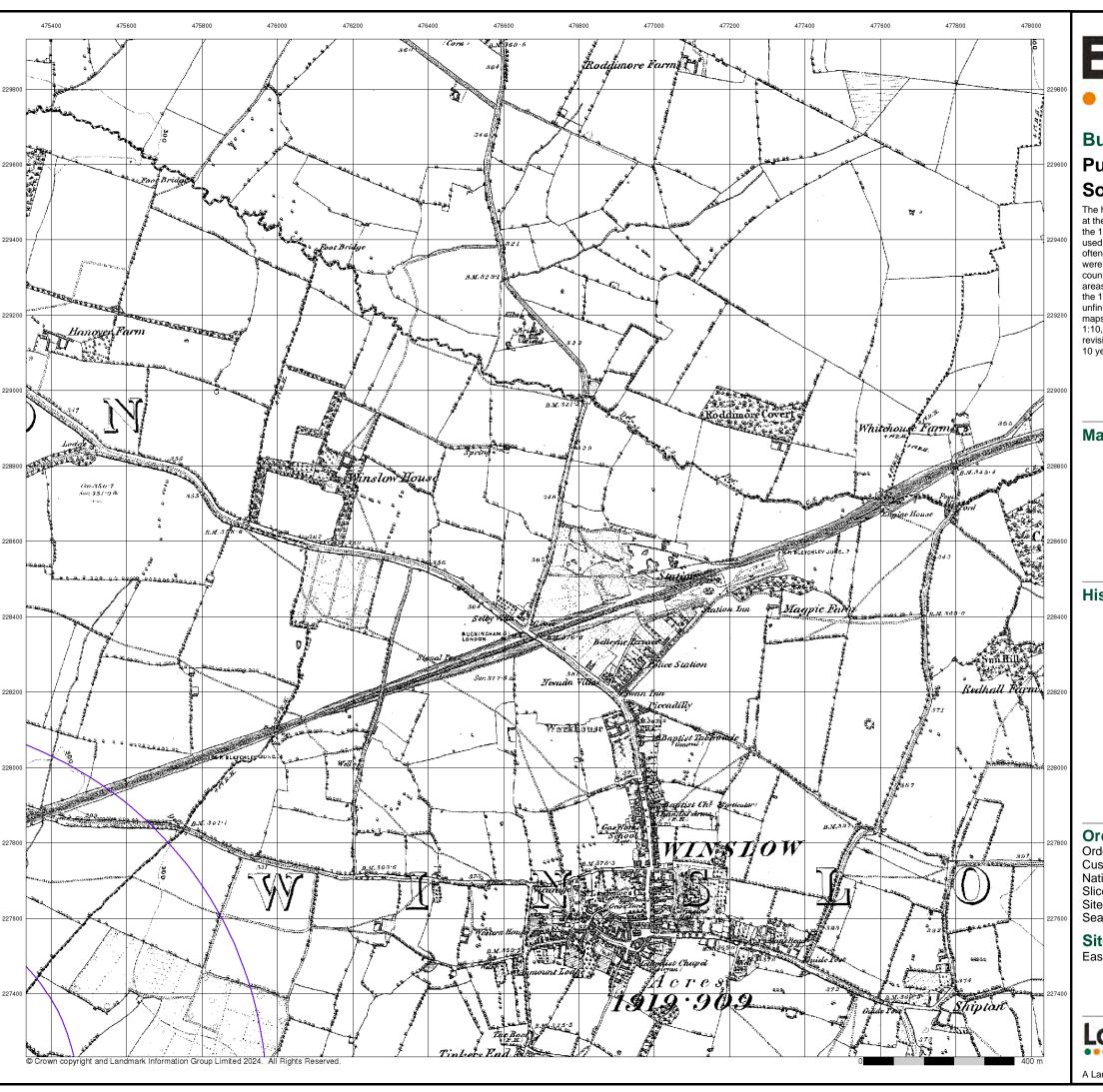
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 1 of 11



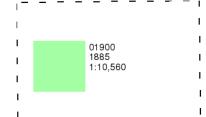
LANDMARK INFORMATION GROUP\*

### Buckinghamshire

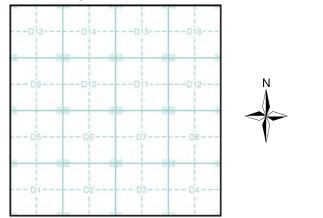
### Published 1885 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358

National Grid Reference: 475590, 227560

(11.)

Site Area (Ha): 61.62 Search Buffer (m): 1000

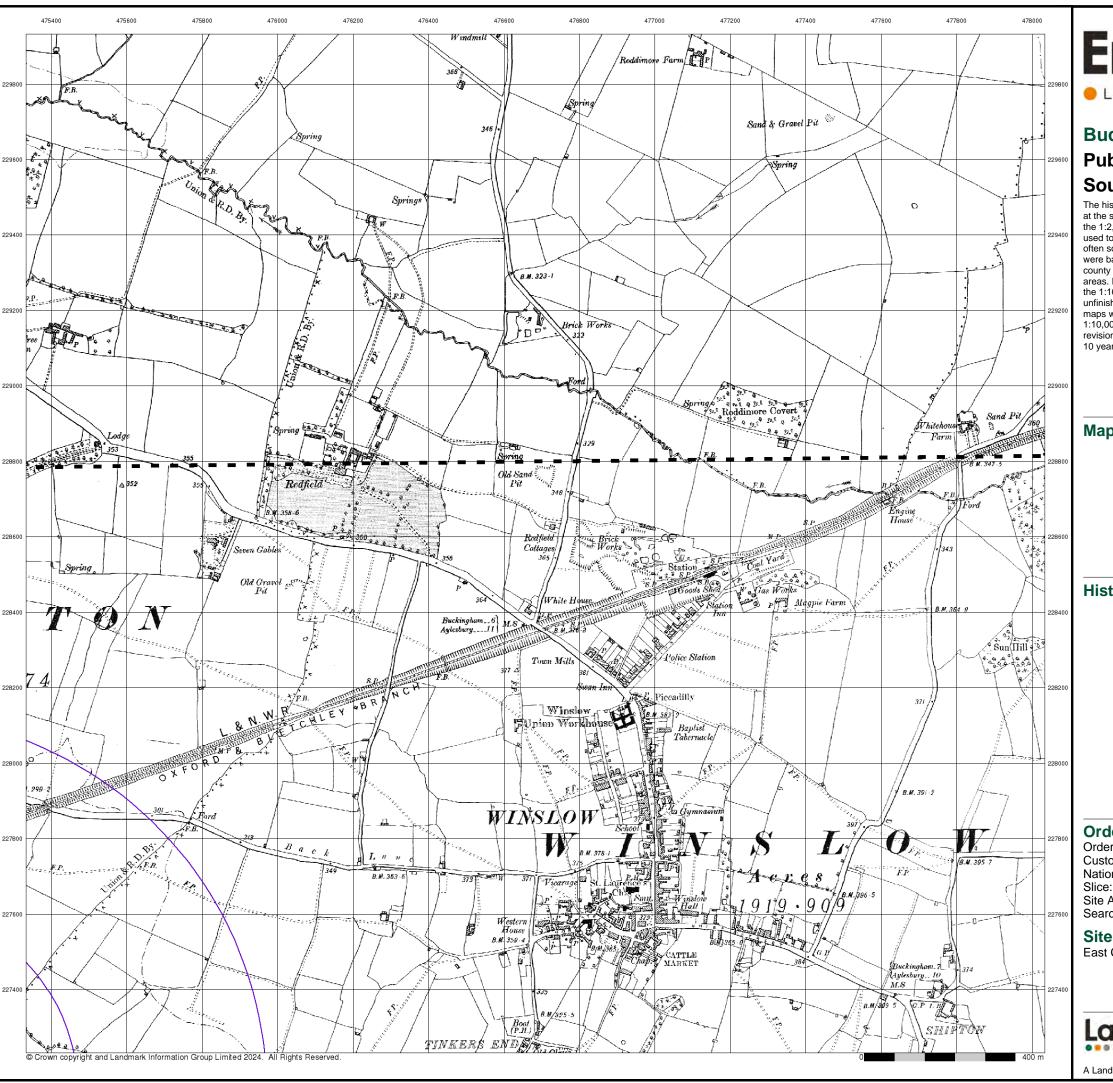
### **Site Details**

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A Landmark Information Group Service v50.0 10-Apr-2024 Page 2 of 11



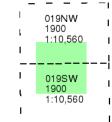
LANDMARK INFORMATION GROUP\*

### **Buckinghamshire**

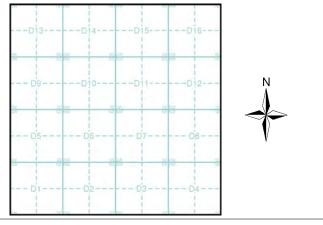
### **Published 1900** Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

Site Area (Ha): 61.62 Search Buffer (m): 1000

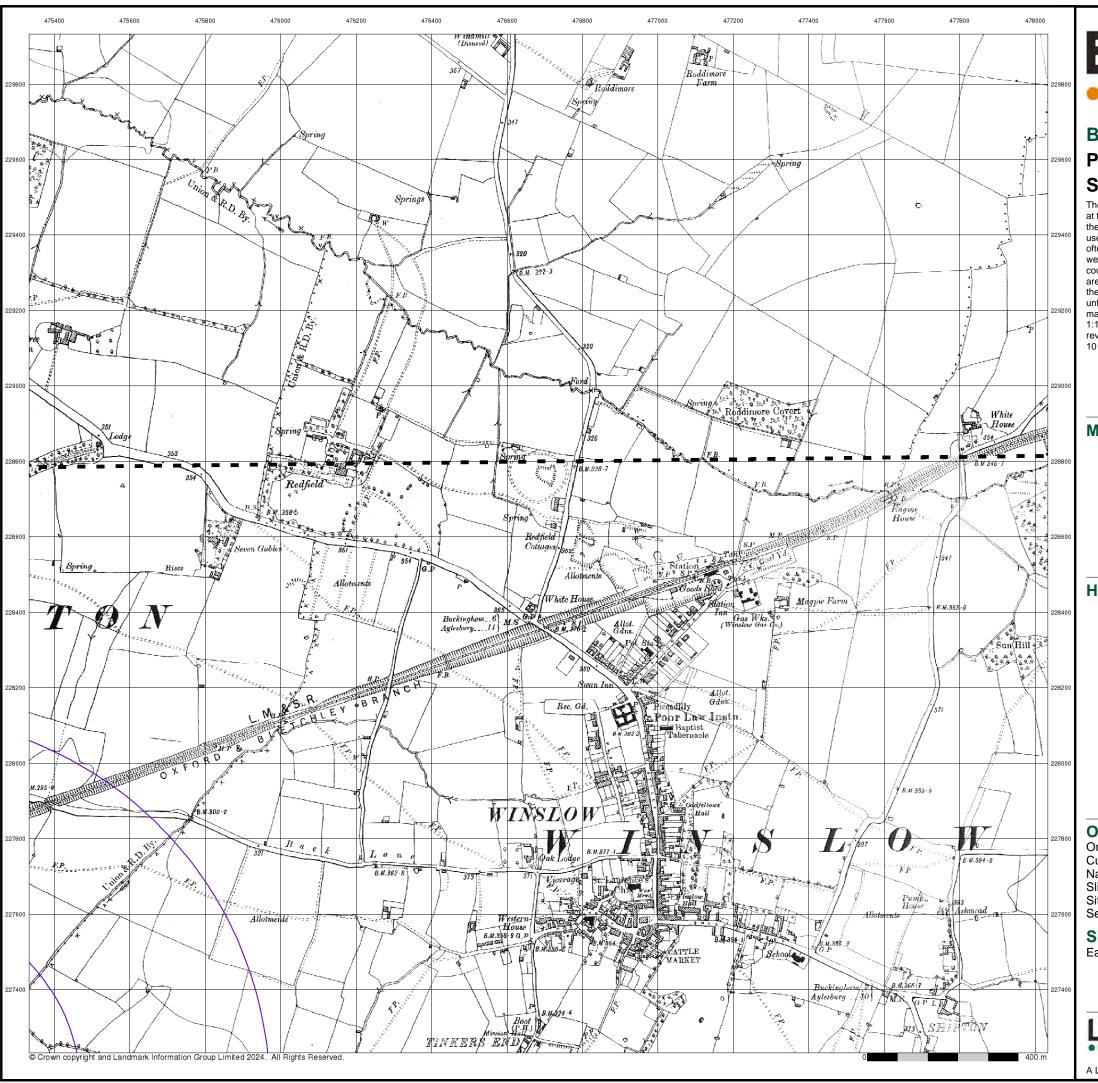
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 3 of 11



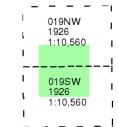
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### **Buckinghamshire**

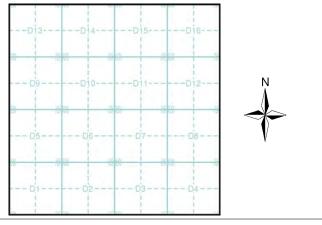
### Published 1926 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

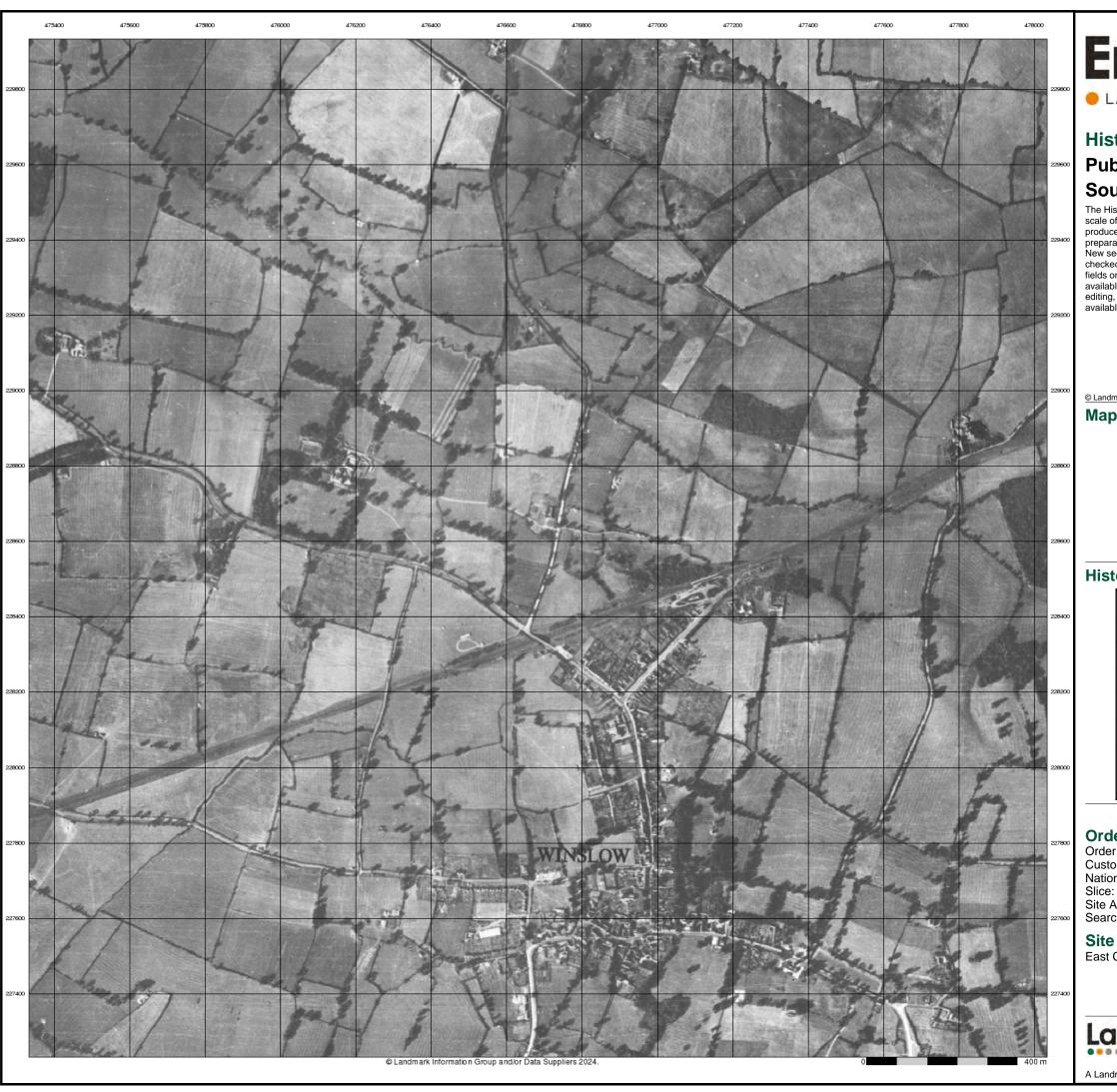
### **Site Details**

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### **Historical Aerial Photography Published 1947** Source map scale - 1:10,560

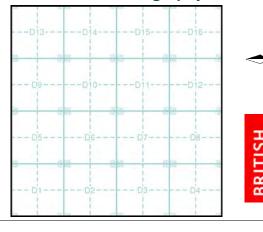
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due 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 - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

61.62

Site Area (Ha): Search Buffer (m): 1000

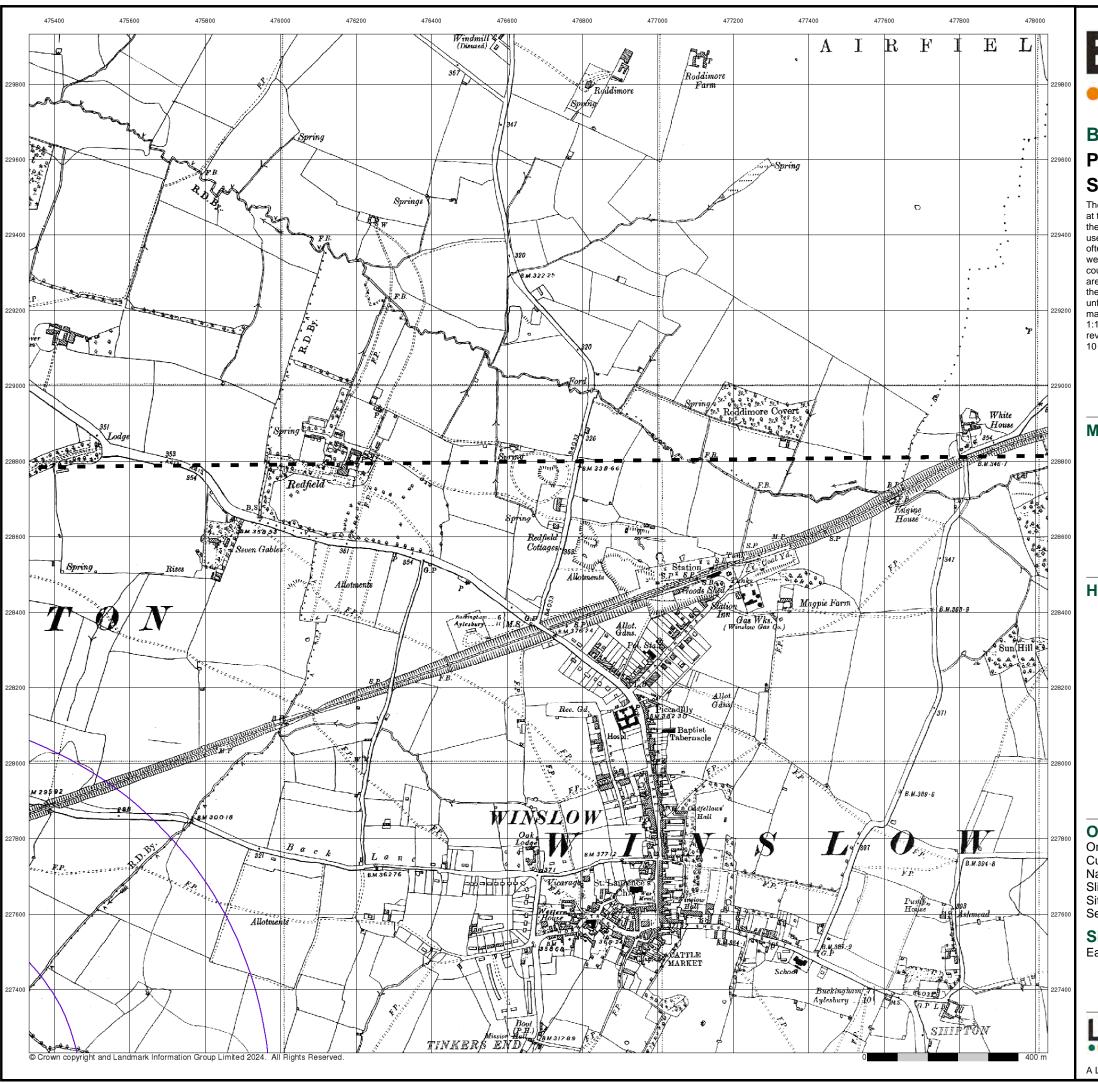
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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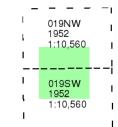
### **Buckinghamshire**

### Published 1952

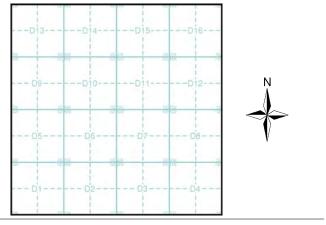
### Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1

Customer Ref: 3358 National Grid Reference: 475590, 227560

Slice: D

Site Area (Ha): 61.62 Search Buffer (m): 1000

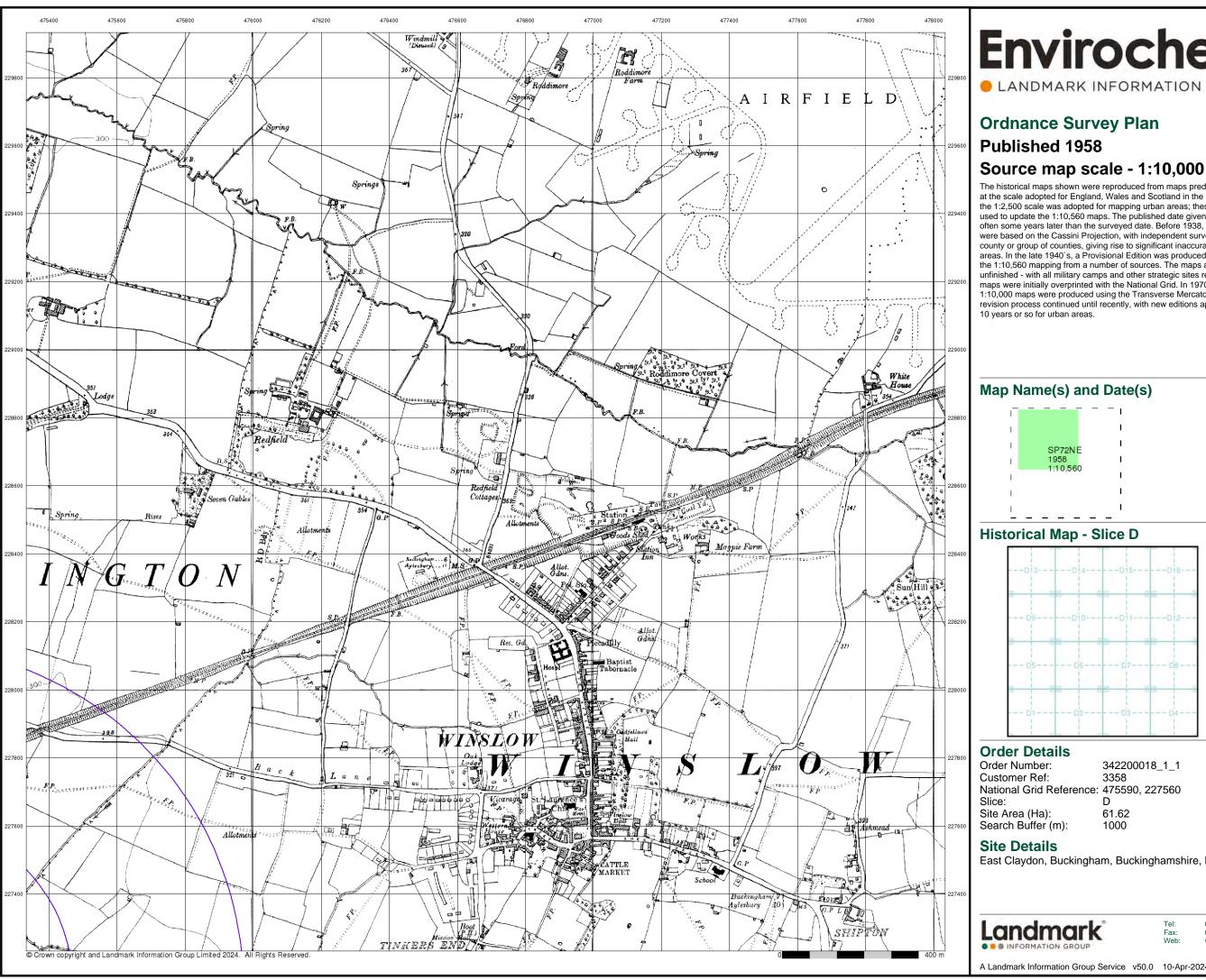
### **Site Details**

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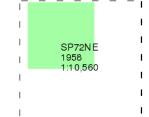


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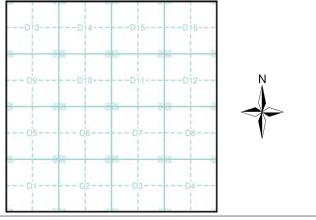
### **Ordnance Survey Plan Published 1958**

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

Site Area (Ha): 61.62 Search Buffer (m): 1000

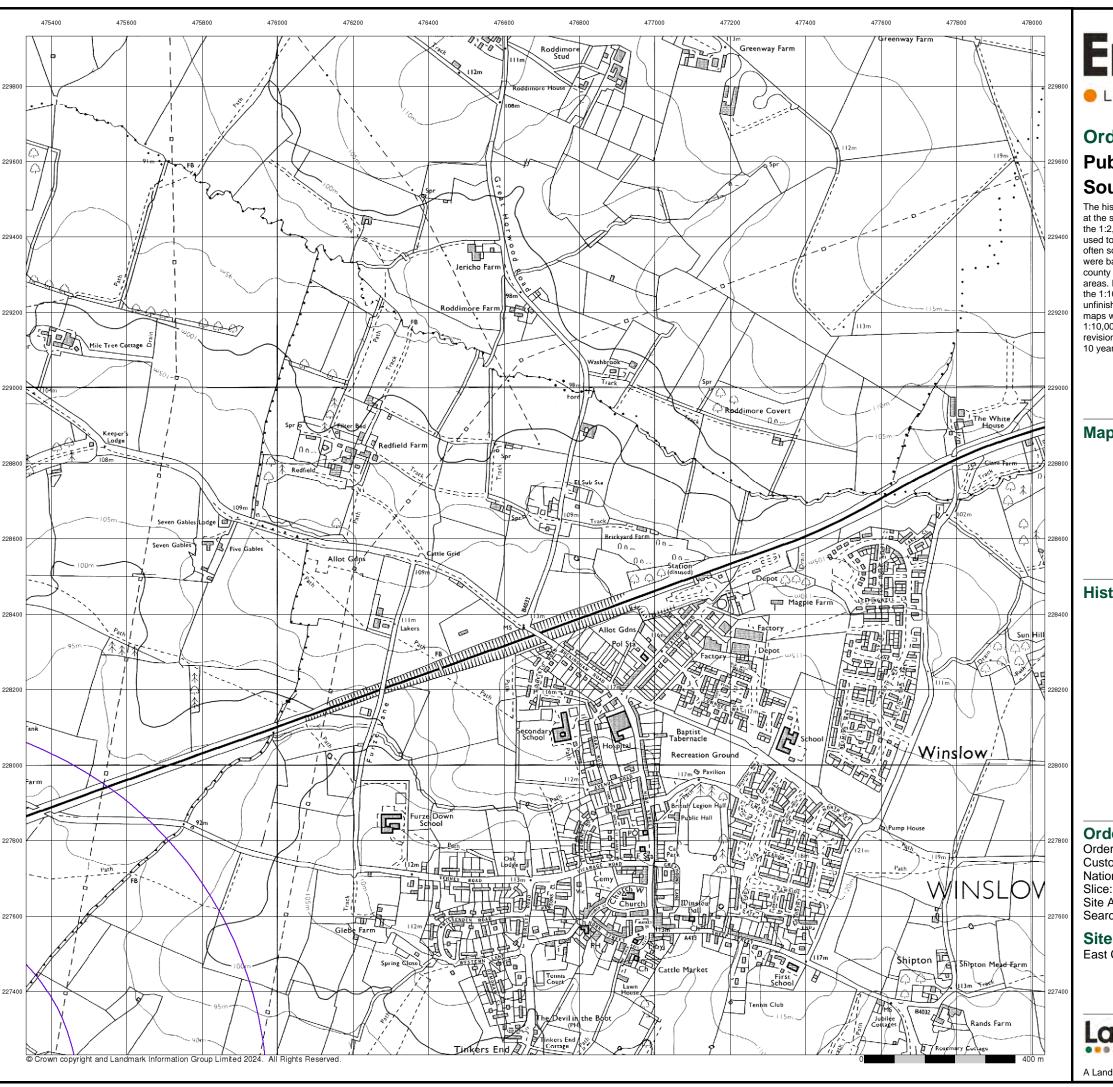
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

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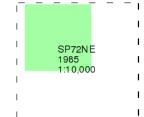


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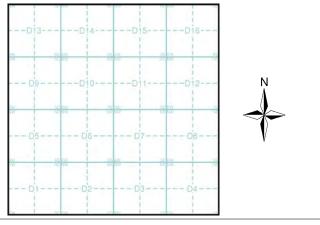
# Ordnance Survey Plan Published 1985 Source map scale - 1:10,000

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358

National Grid Reference: 475590, 227560

D

Site Area (Ha): 61.62 Search Buffer (m): 1000

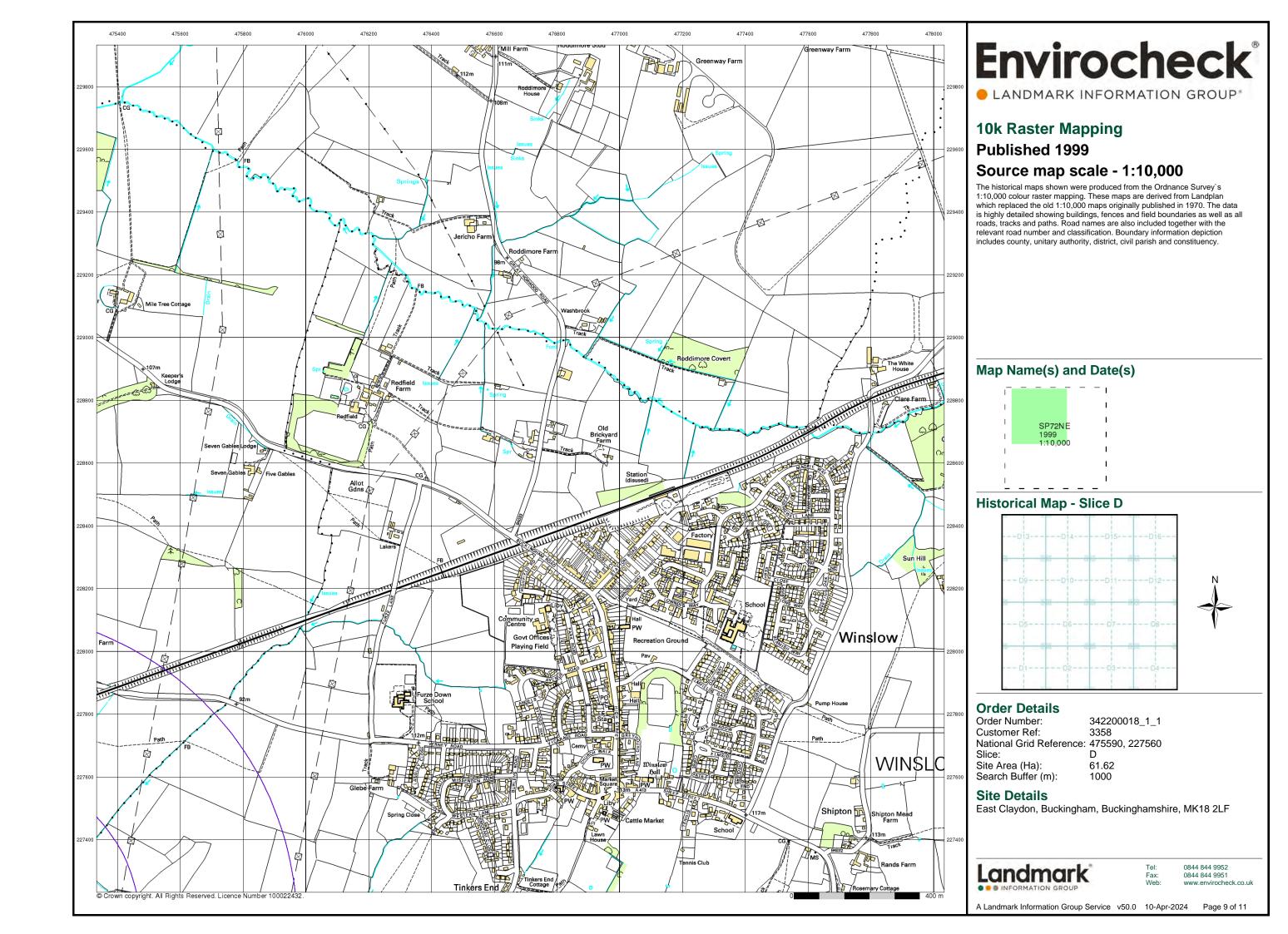
### **Site Details**

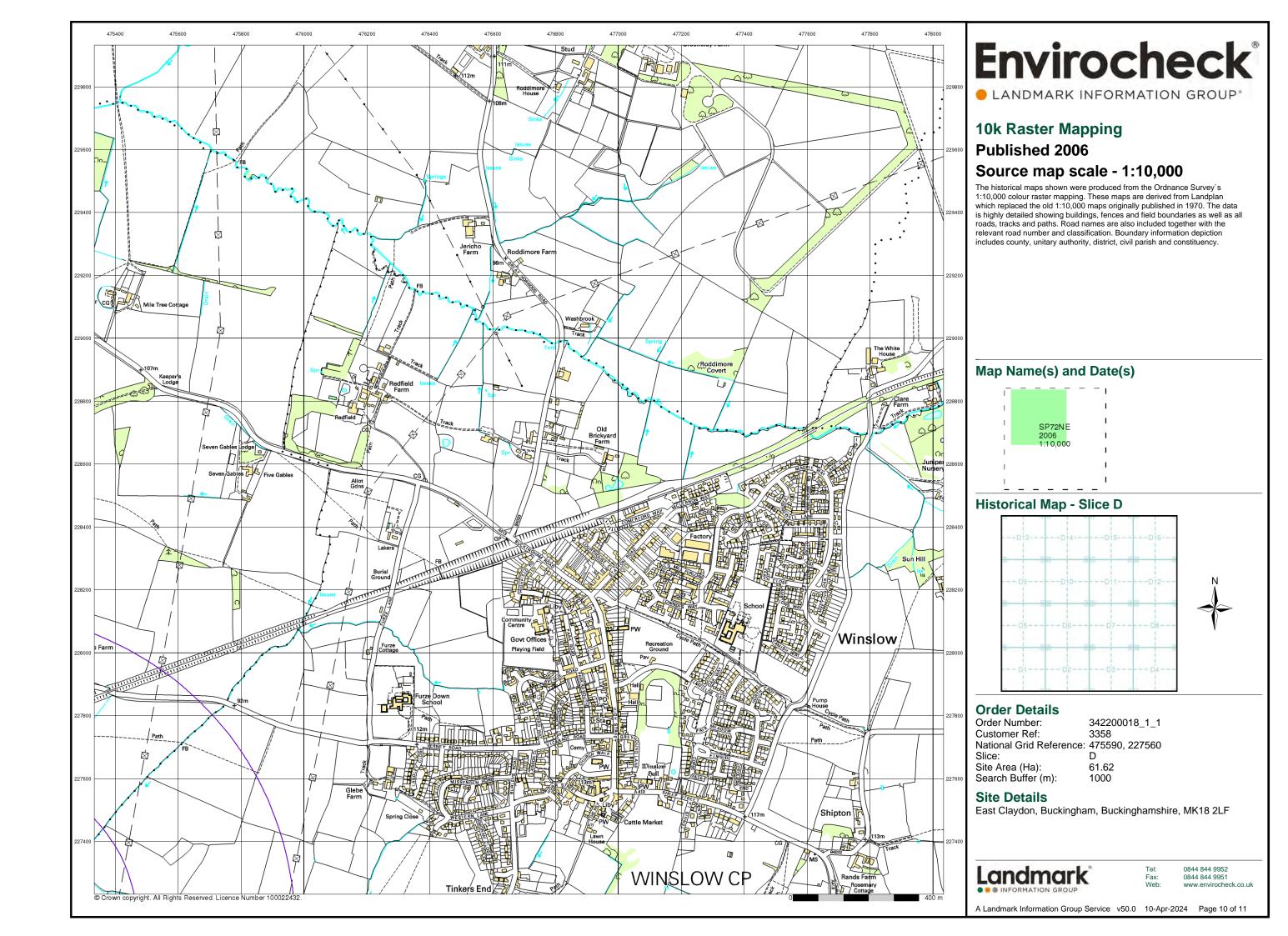
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

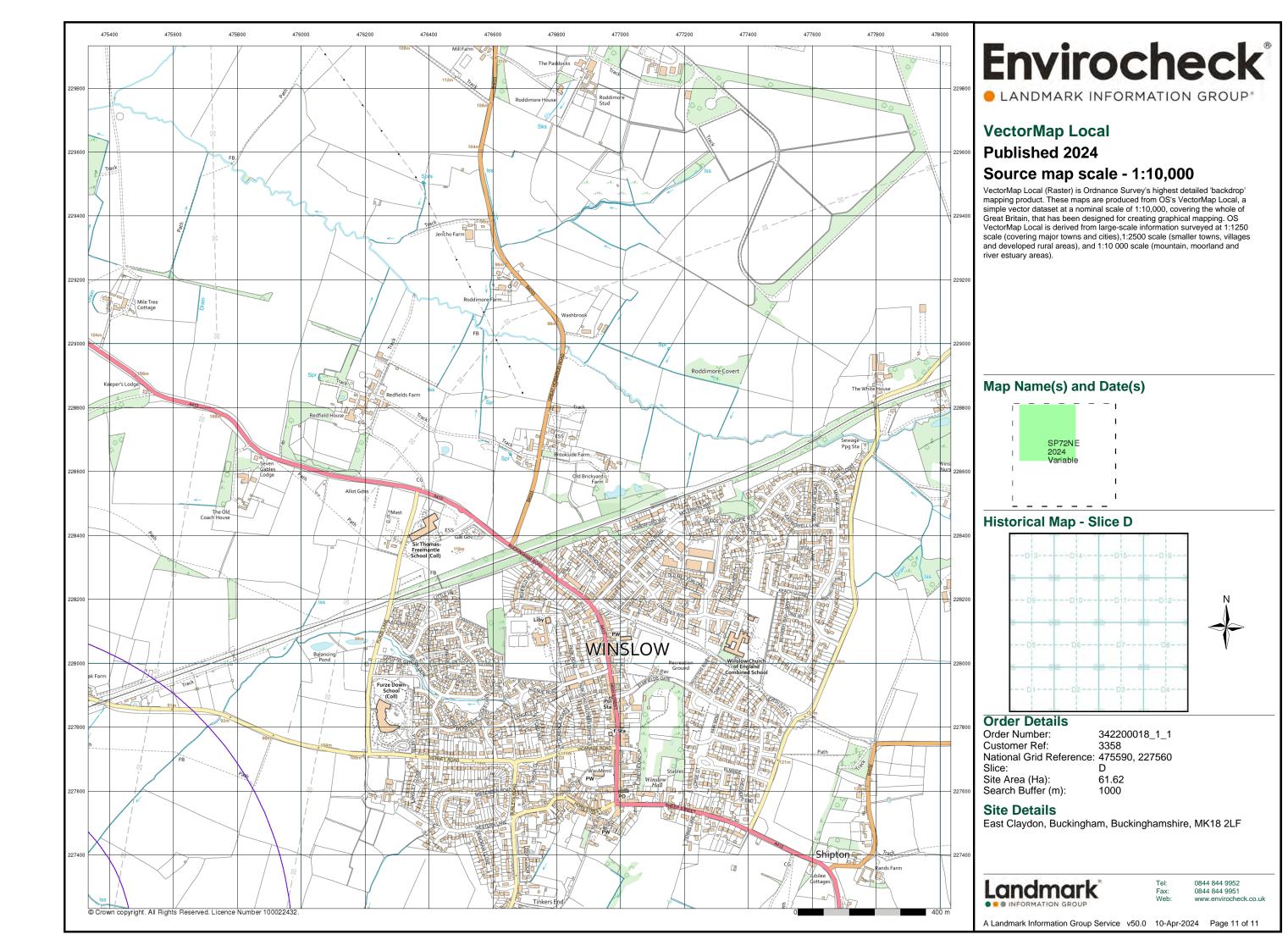


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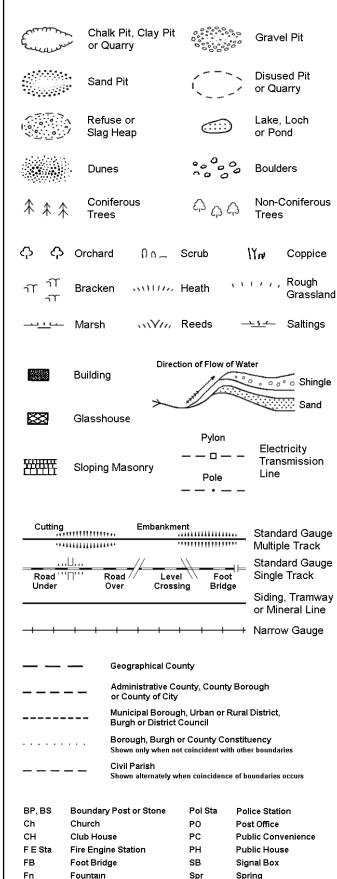


### **Historical Mapping Legends**

### **Ordnance Survey County Series 1:10,560** Other Gravel Orchard Mixed Wood Deciduous Brushwood Furze Rough Pasture Arrow denotes Trigonometrical flow of water Station Site of Antiquities Bench Mark Pump, Guide Post, Well, Spring, Signal Post **Boundary Post** ·285 Surface Level Sketched Instrumental Contour Contour Fenced Main Roads Minor Roads Un-Fenced Sunken Road Raised Road Railway over Road over Ri∨er Railway Railway over Level Crossing Road Road over Road over Road over County Boundary (Geographical) County & Civil Parish Boundary Administrative County & Civil Parish Boundary County Borough Boundary (England) Co. Boro. Bdy. County Burgh Boundary (Scotland) Co. Burgh Bdy. Rural District Boundary RD. Bdy.

Civil Parish Boundary

### Ordnance Survey Plan 1:10,000



TCB

TCP

Telephone Call Box

Telephone Call Post

GP

**Guide Post** 

Mile Post

### 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle	Mud	Mud
Sand	Sand		Sand Pit
********	Slopes		Top of cliff
	General detail		Underground detail
	- Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)	• • • • •	Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
۵ <sup>۵</sup>	Area of wooded ∨egetation	۵ <sup>۵</sup>	Non-coniferous trees
$\Diamond$	Non-coniferous trees (scattered)	**	Coniferous trees
* *	Coniferous trees (scattered)	Ċ̄	Positioned tree
4 4 4 4	Orchard	* *	Coppice or Osiers
ωĨ <i>n</i>	Rough Grassland	www.	Heath
On_	Scrub	7 <u>₩</u> ۲	Marsh, Salt Marsh or Reeds
6	Water feature	← ←	Flow arrows
MHW(S)	Mean high water (springs)	MLW(S)	Mean low water (springs)
	Telephone line (where shown)	<b></b>	Electricity transmission line (with poles)
← BM 123.45 m	Bench mark (where shown)	Δ	Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)	$\boxtimes$	Pylon, flare stack or lighting tower
•‡•	Site of (antiquity)		Glasshouse
	General Building		Important

Building

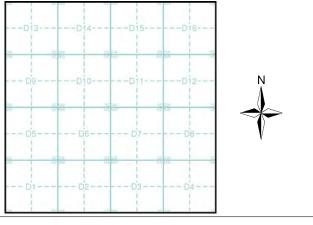
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### **Historical Mapping & Photography included:**

Mapping Type	Scale	Date	Pg
Buckinghamshire	1:10,560	1885	2
Buckinghamshire	1:10,560	1900	3
Buckinghamshire	1:10,560	1926	4
Historical Aerial Photography	1:10,560	1947	5
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10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2024	11

### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: National Grid Reference: 475590, 227560 Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

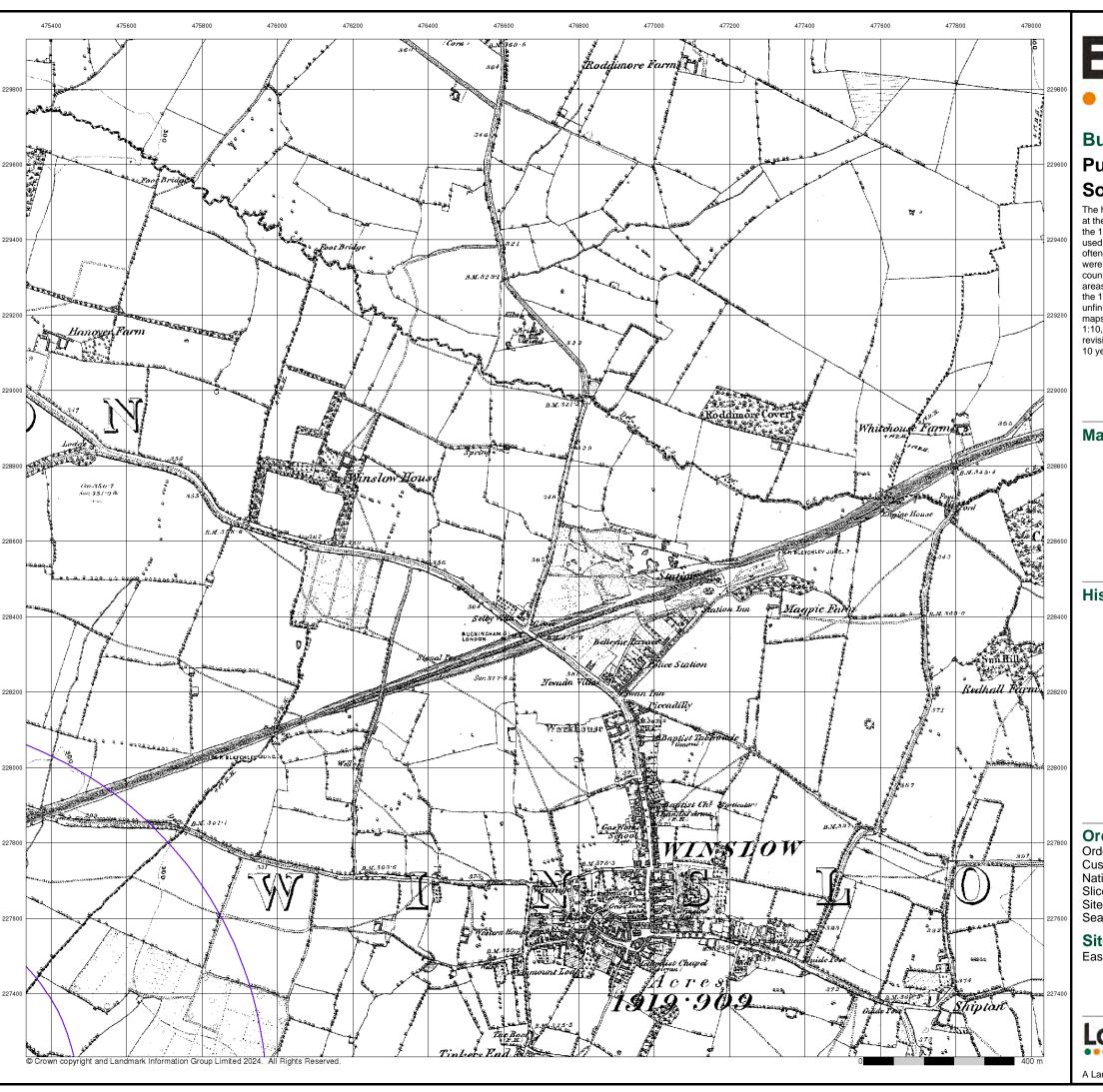
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 1 of 11



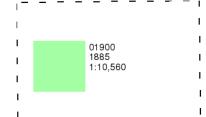
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### Buckinghamshire

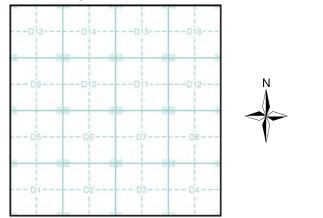
### Published 1885 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358

National Grid Reference: 475590, 227560

(11.)

Site Area (Ha): 61.62 Search Buffer (m): 1000

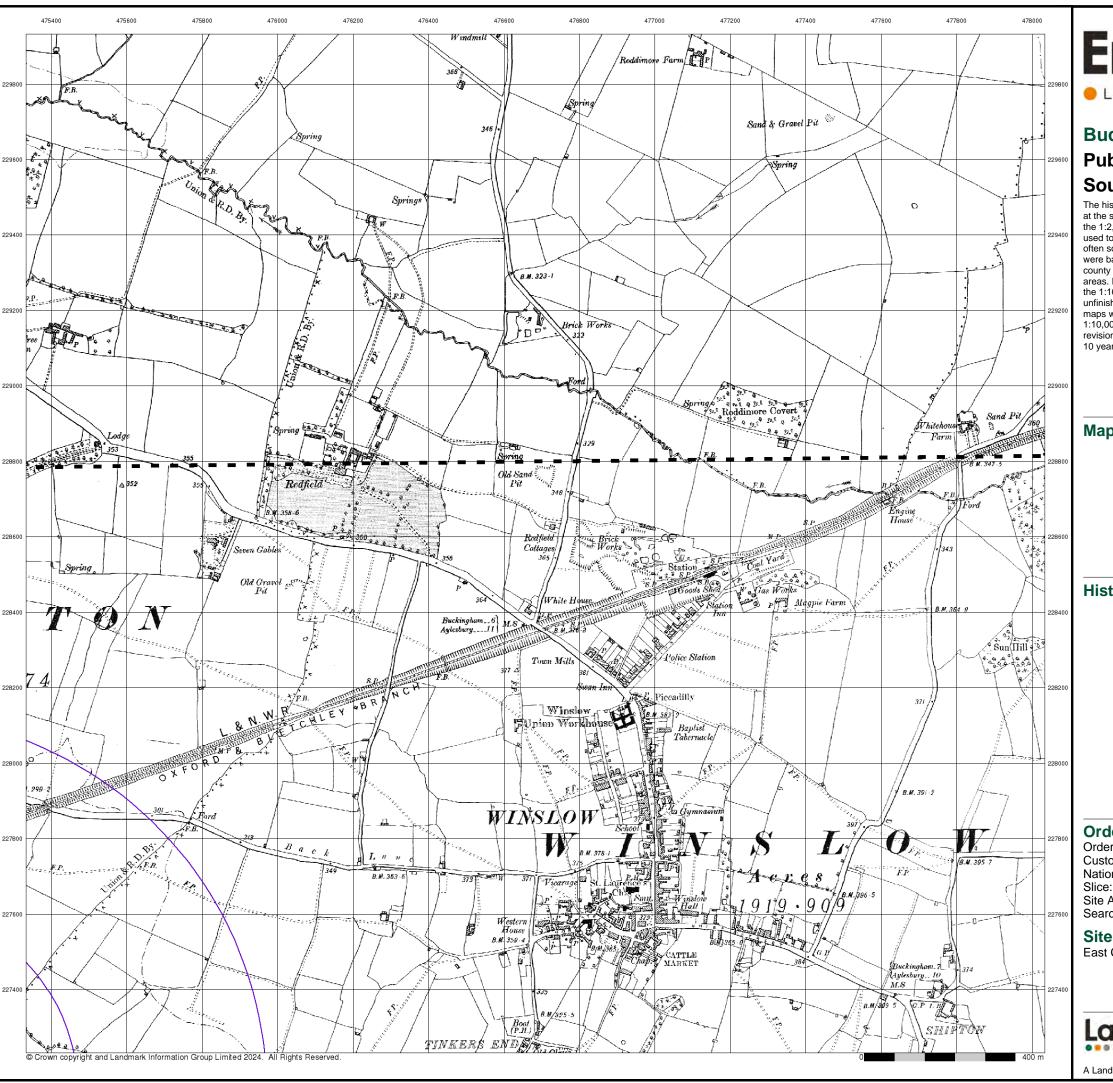
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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A Landmark Information Group Service v50.0 10-Apr-2024 Page 2 of 11



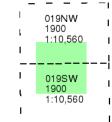
LANDMARK INFORMATION GROUP\*

### **Buckinghamshire**

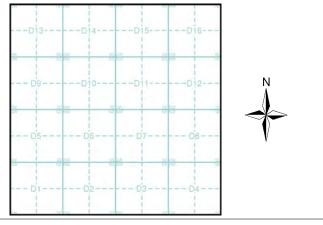
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

Site Area (Ha): 61.62 Search Buffer (m): 1000

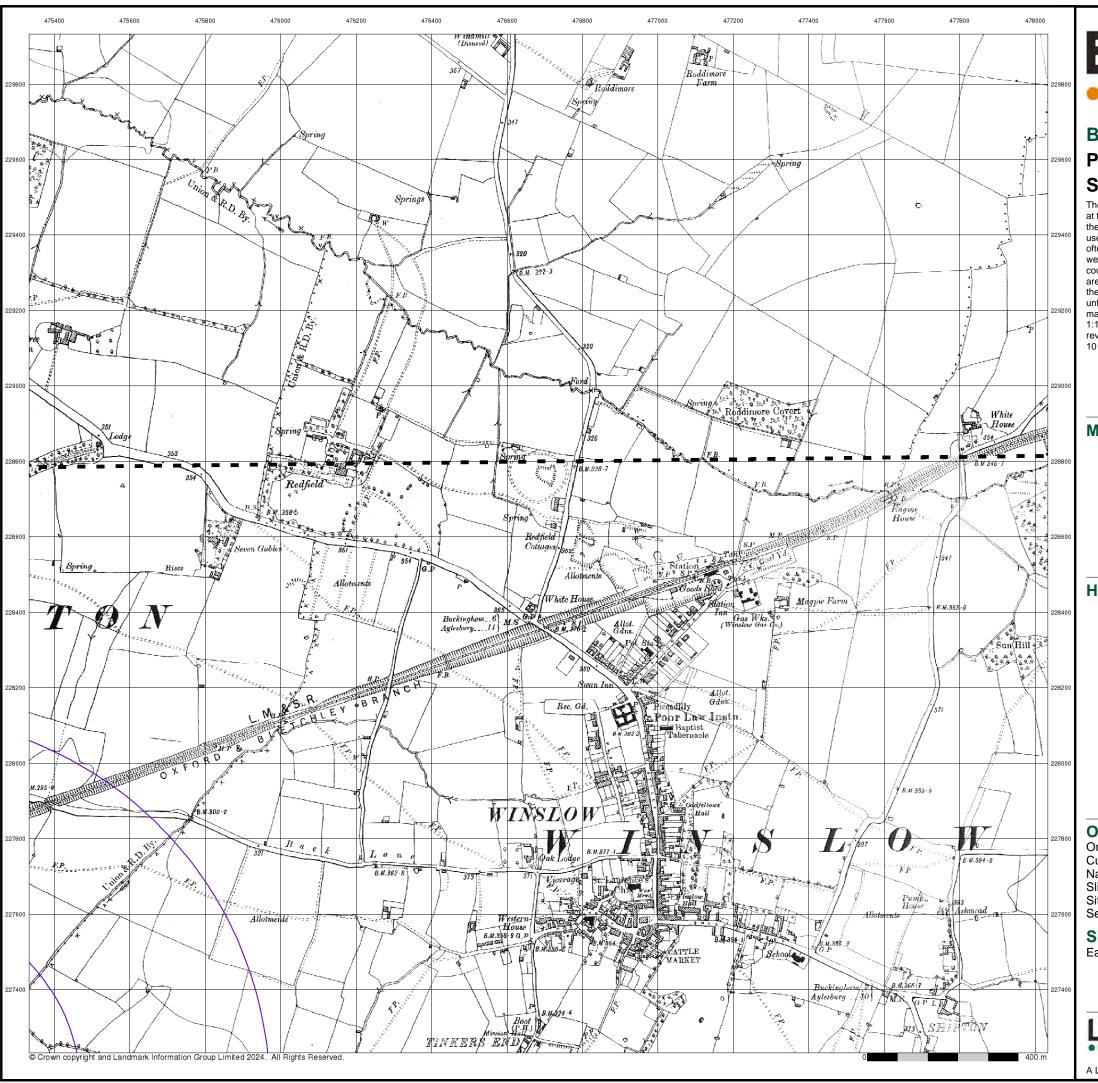
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



0844 844 9952

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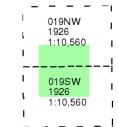
LANDMARK INFORMATION GROUP\*

### **Buckinghamshire**

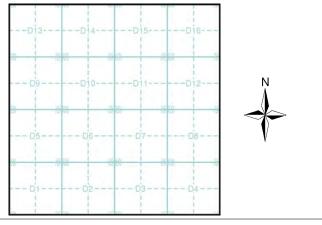
### Published 1926 Source map scale - 1:10,560

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

Slice:

Site Area (Ha): 61.62 Search Buffer (m): 1000

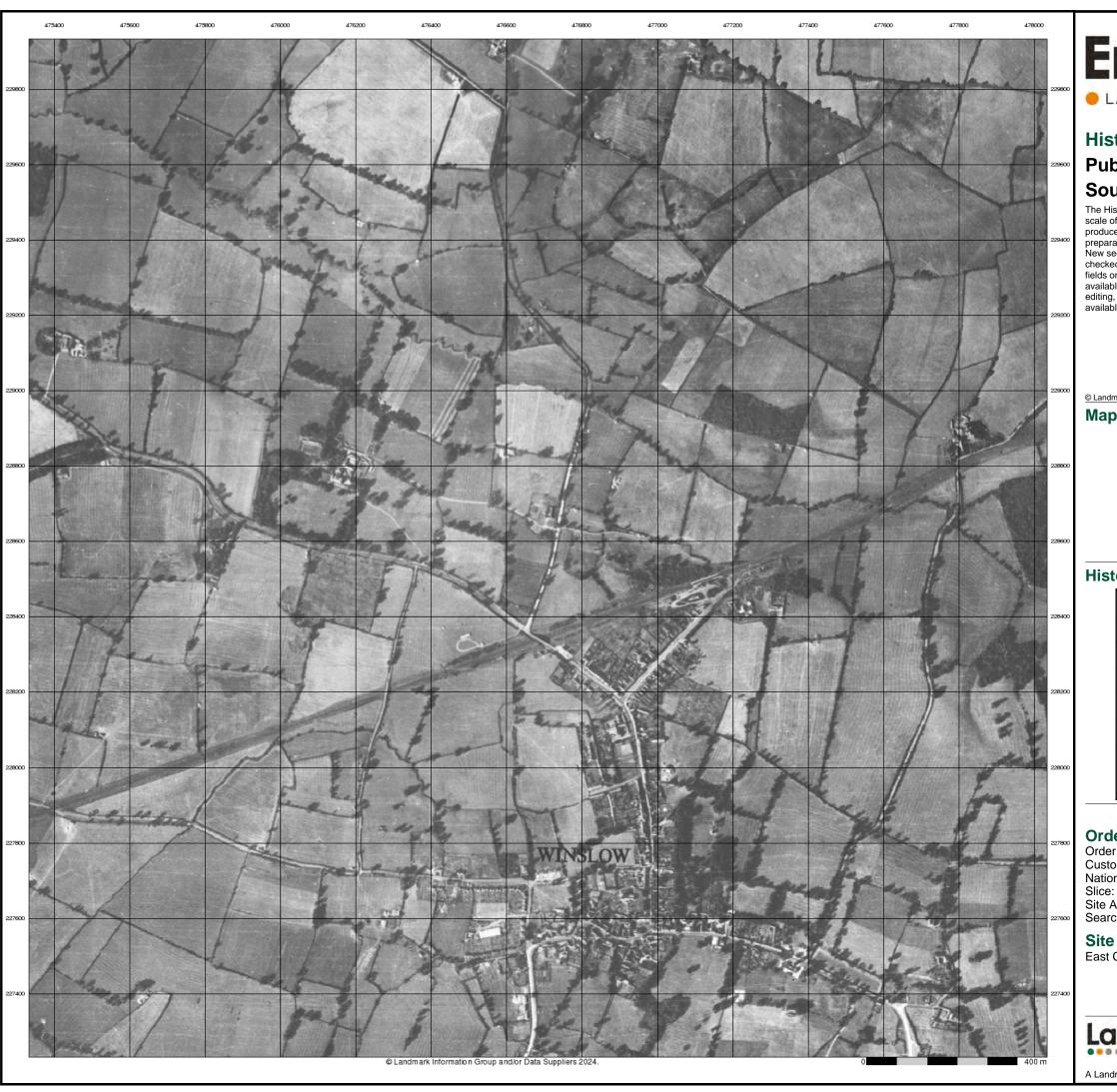
### **Site Details**

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### **Historical Aerial Photography Published 1947** Source map scale - 1:10,560

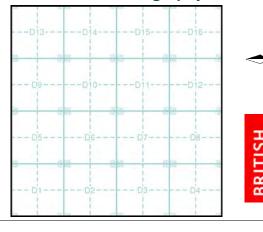
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due 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 - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

61.62

Site Area (Ha): Search Buffer (m): 1000

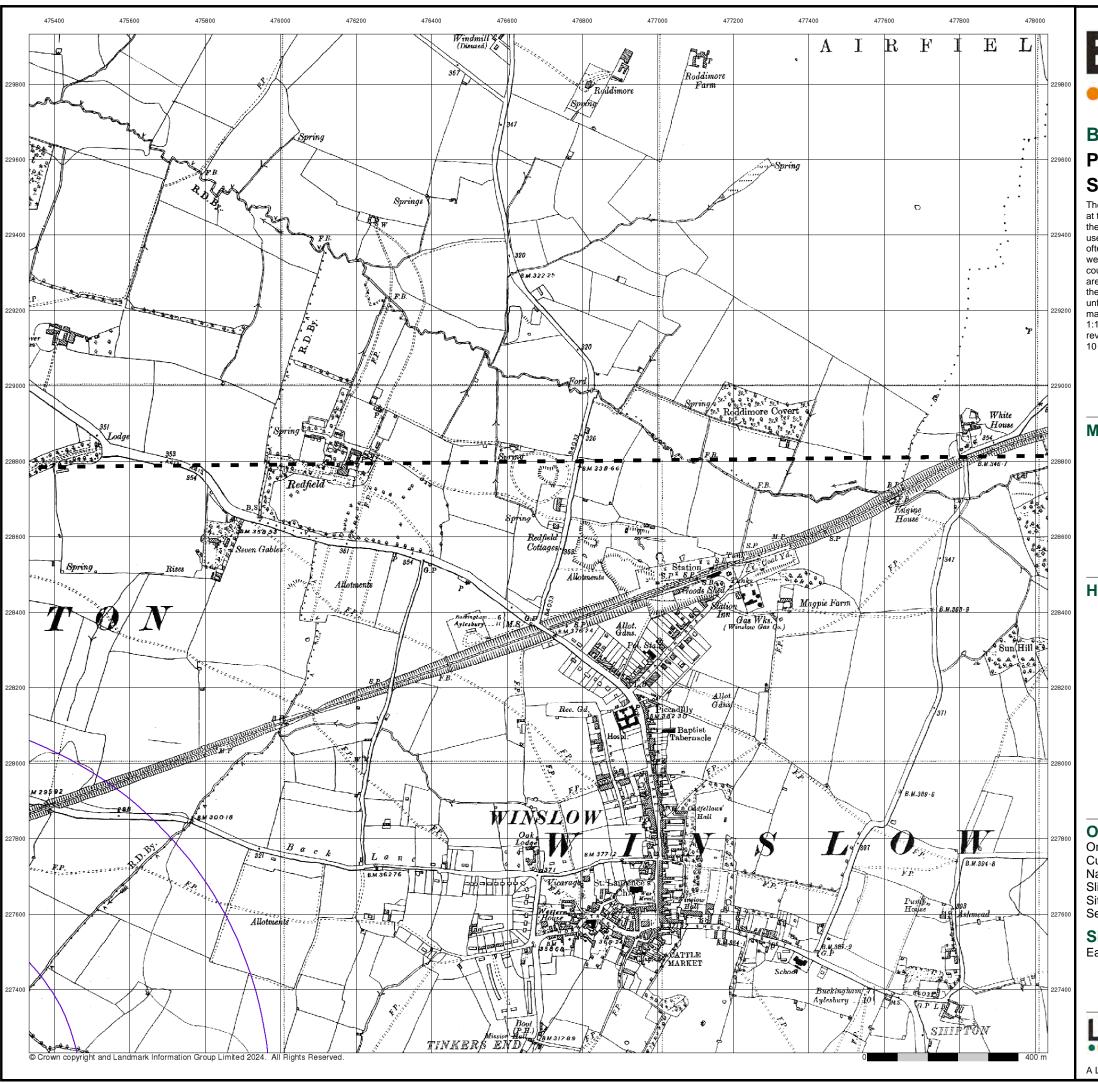
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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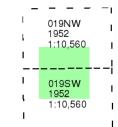
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### Published 1952

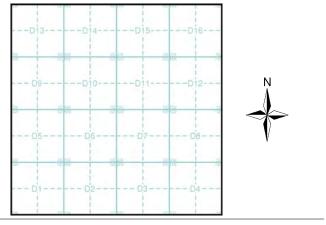
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### Map Name(s) and Date(s)



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1

Customer Ref: 3358 National Grid Reference: 475590, 227560

Slice: D

Site Area (Ha): 61.62 Search Buffer (m): 1000

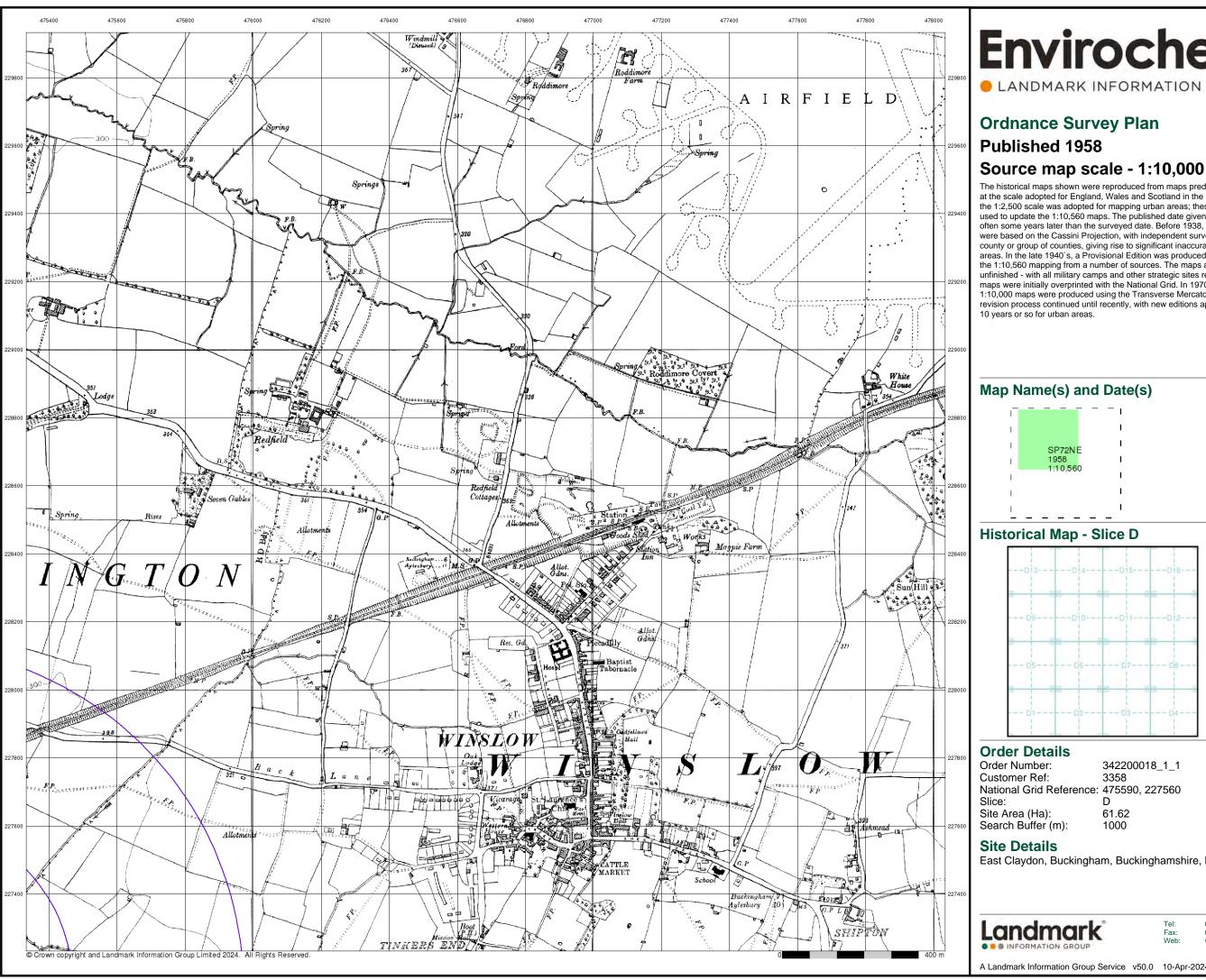
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF



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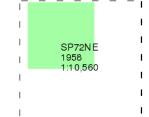


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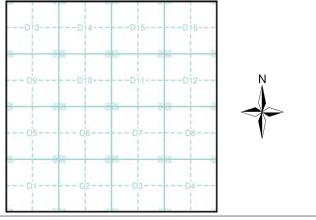
### **Ordnance Survey Plan Published 1958**

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref:

National Grid Reference: 475590, 227560

Site Area (Ha): 61.62 Search Buffer (m): 1000

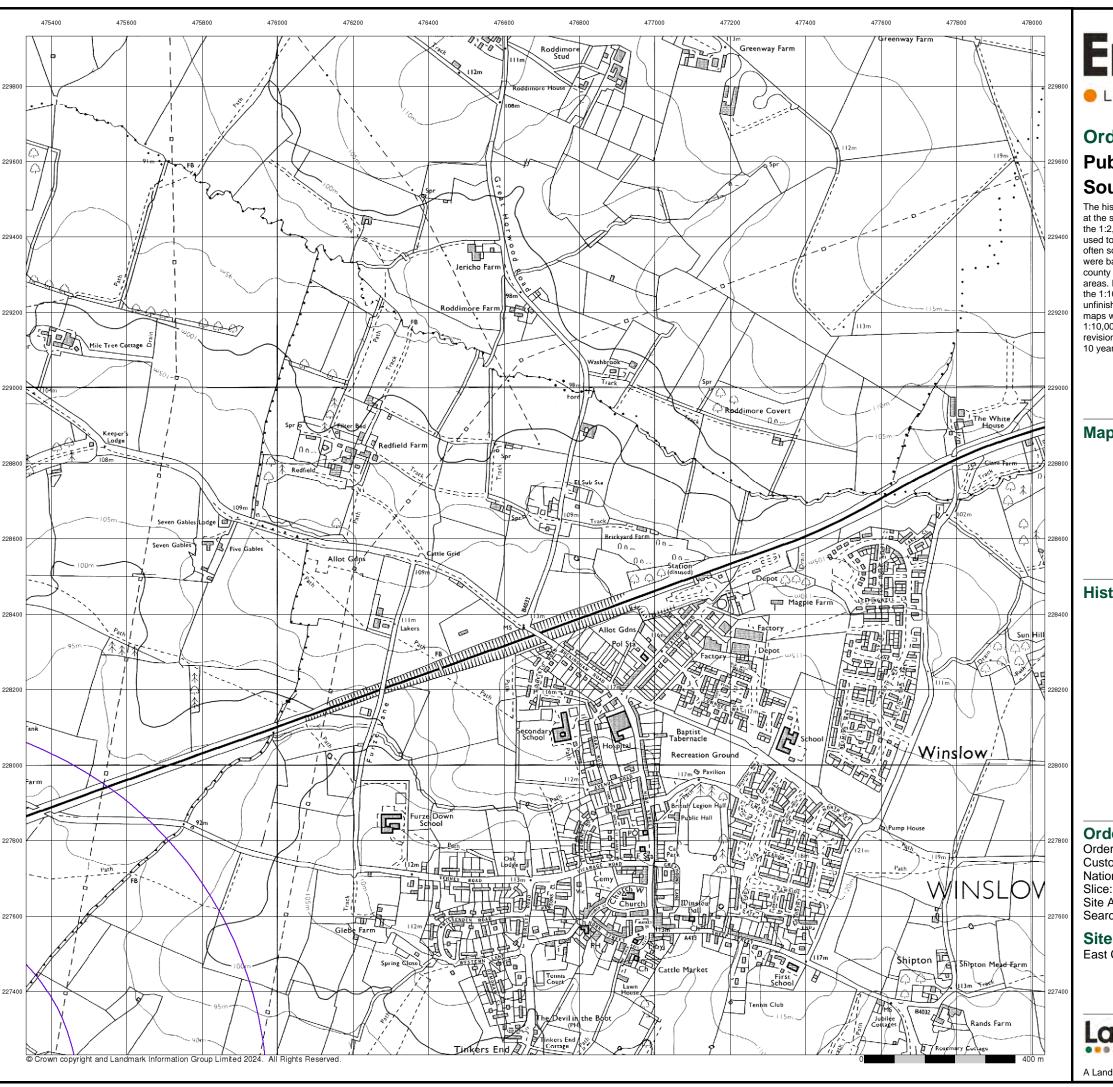
### **Site Details**

East Claydon, Buckingham, Buckinghamshire, MK18 2LF

Landmark

0844 844 9952

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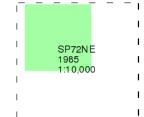


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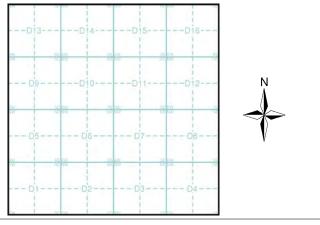
# Ordnance Survey Plan Published 1985 Source map scale - 1:10,000

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; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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



### **Historical Map - Slice D**



### **Order Details**

Order Number: 342200018\_1\_1
Customer Ref: 3358

National Grid Reference: 475590, 227560

D

Site Area (Ha): 61.62 Search Buffer (m): 1000

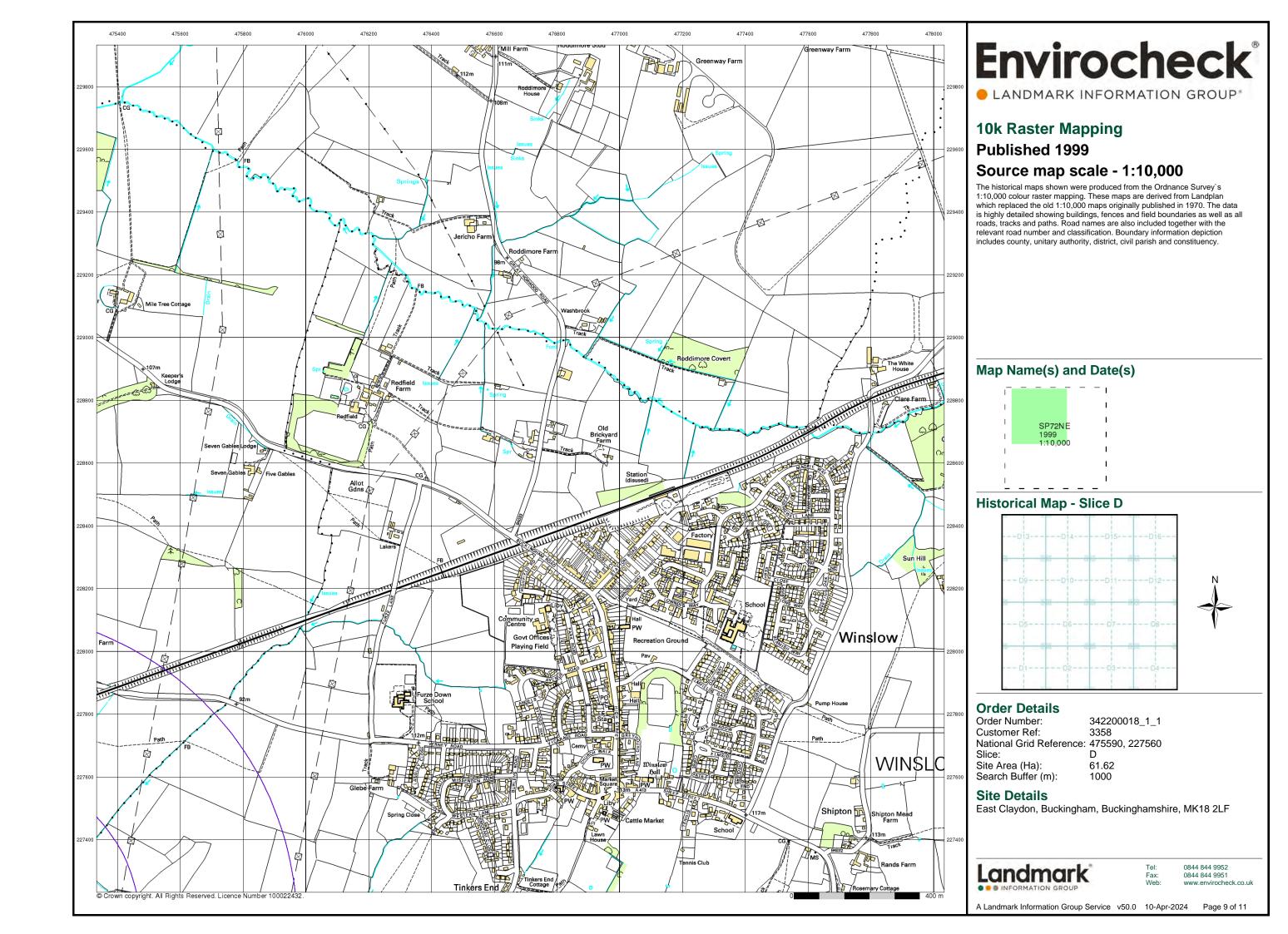
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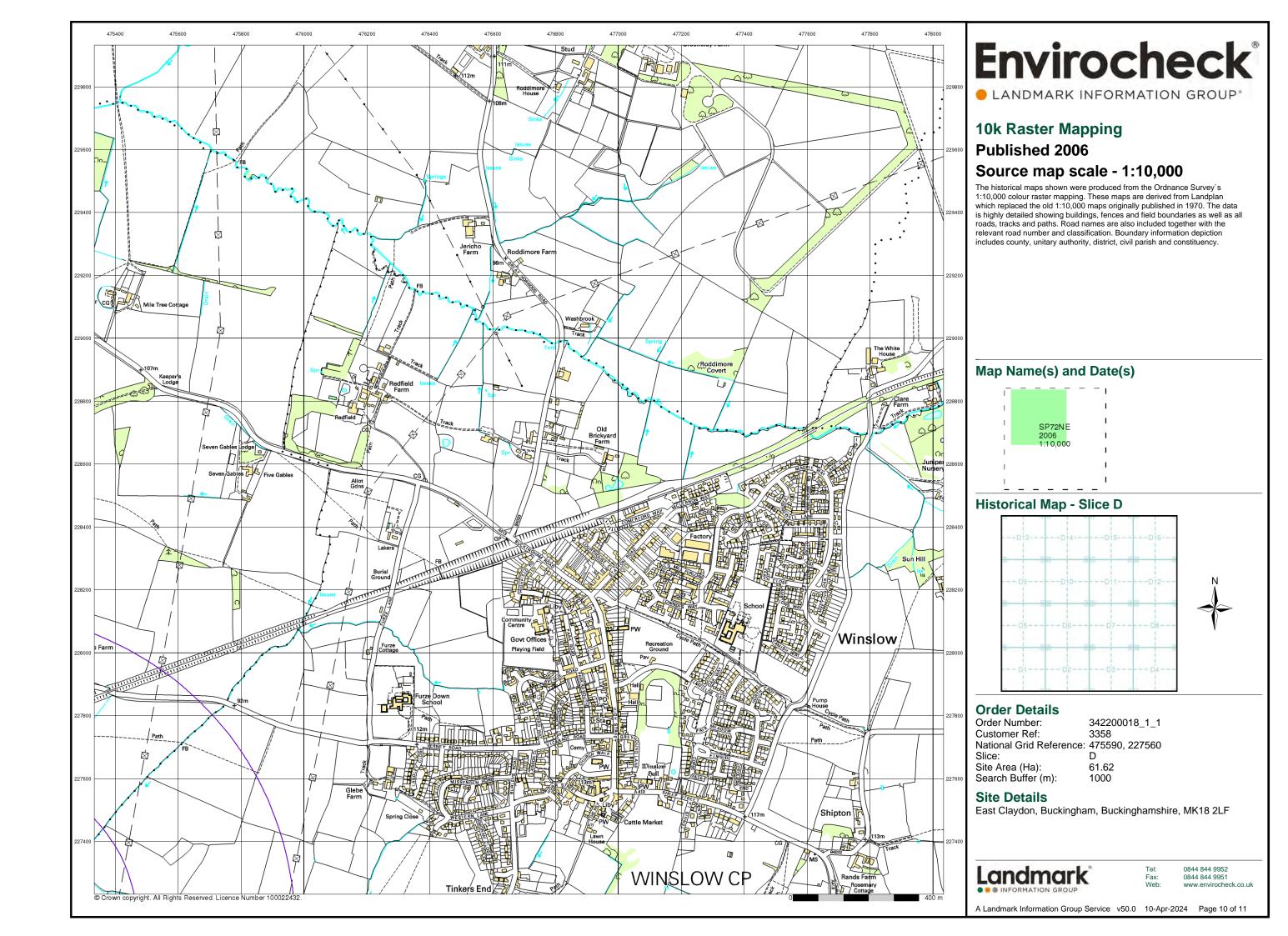
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

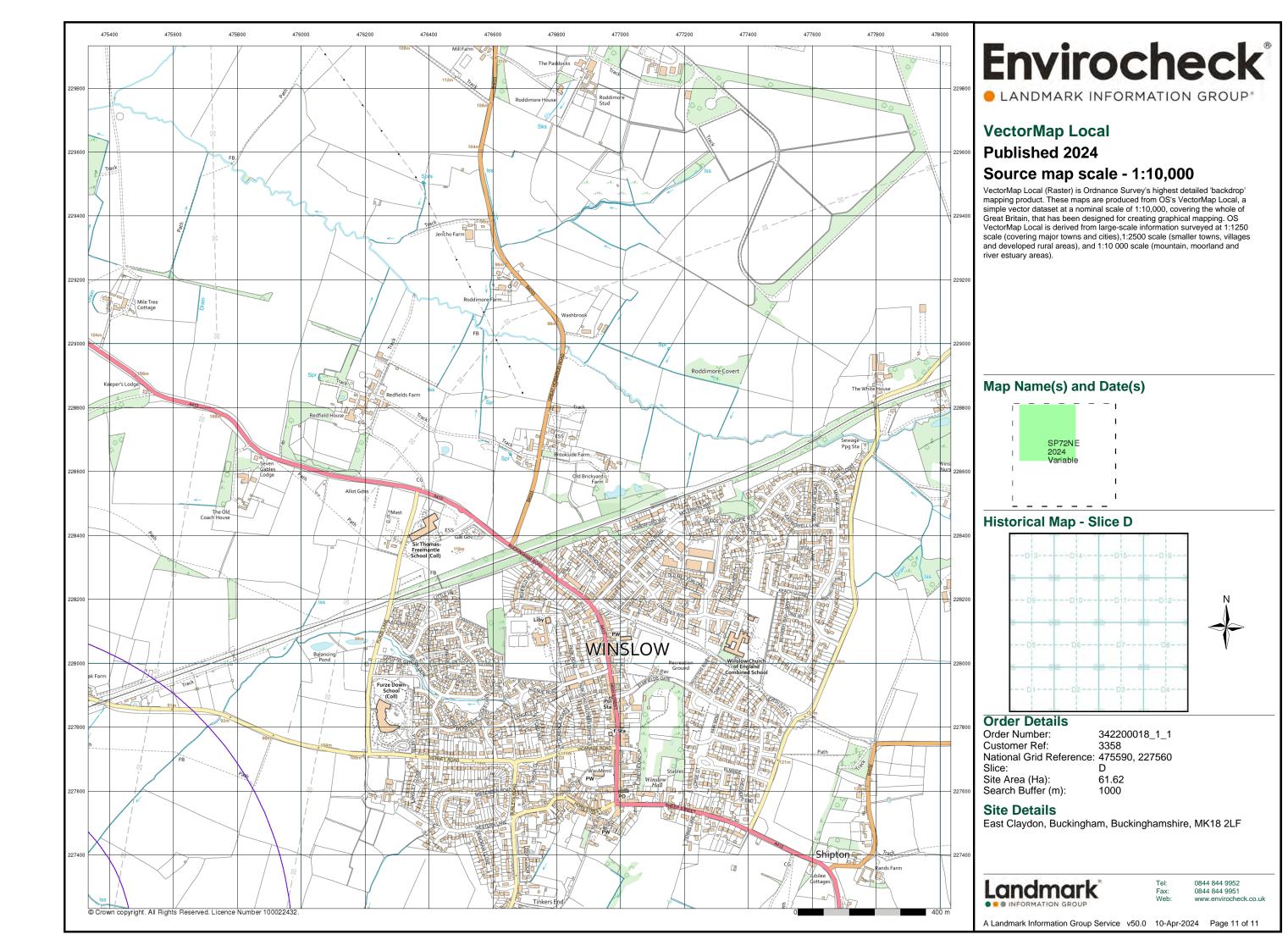


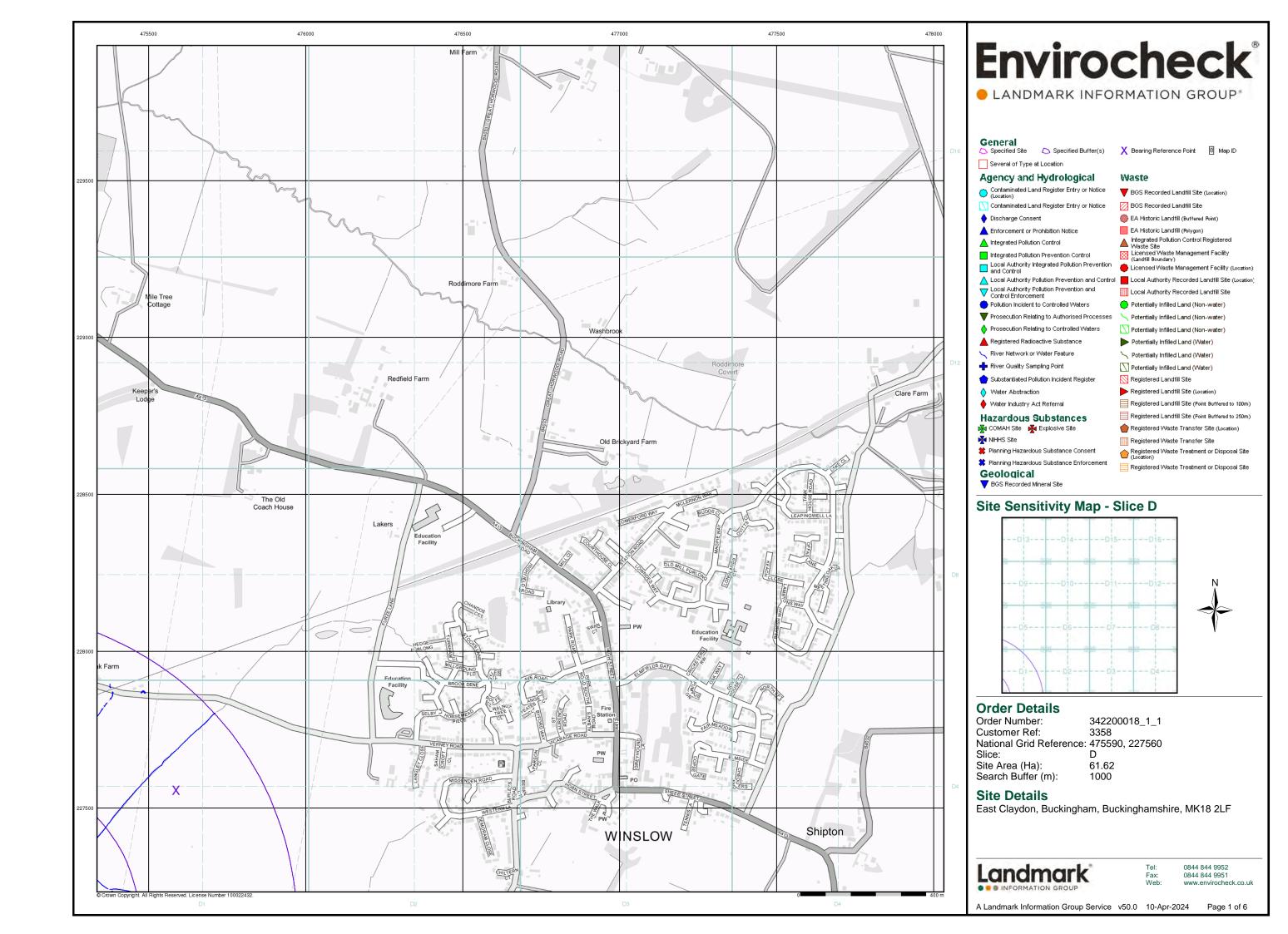
Tel: 0844 844 9952 Fax: 0844 844 9951 Web: www.envirocheck

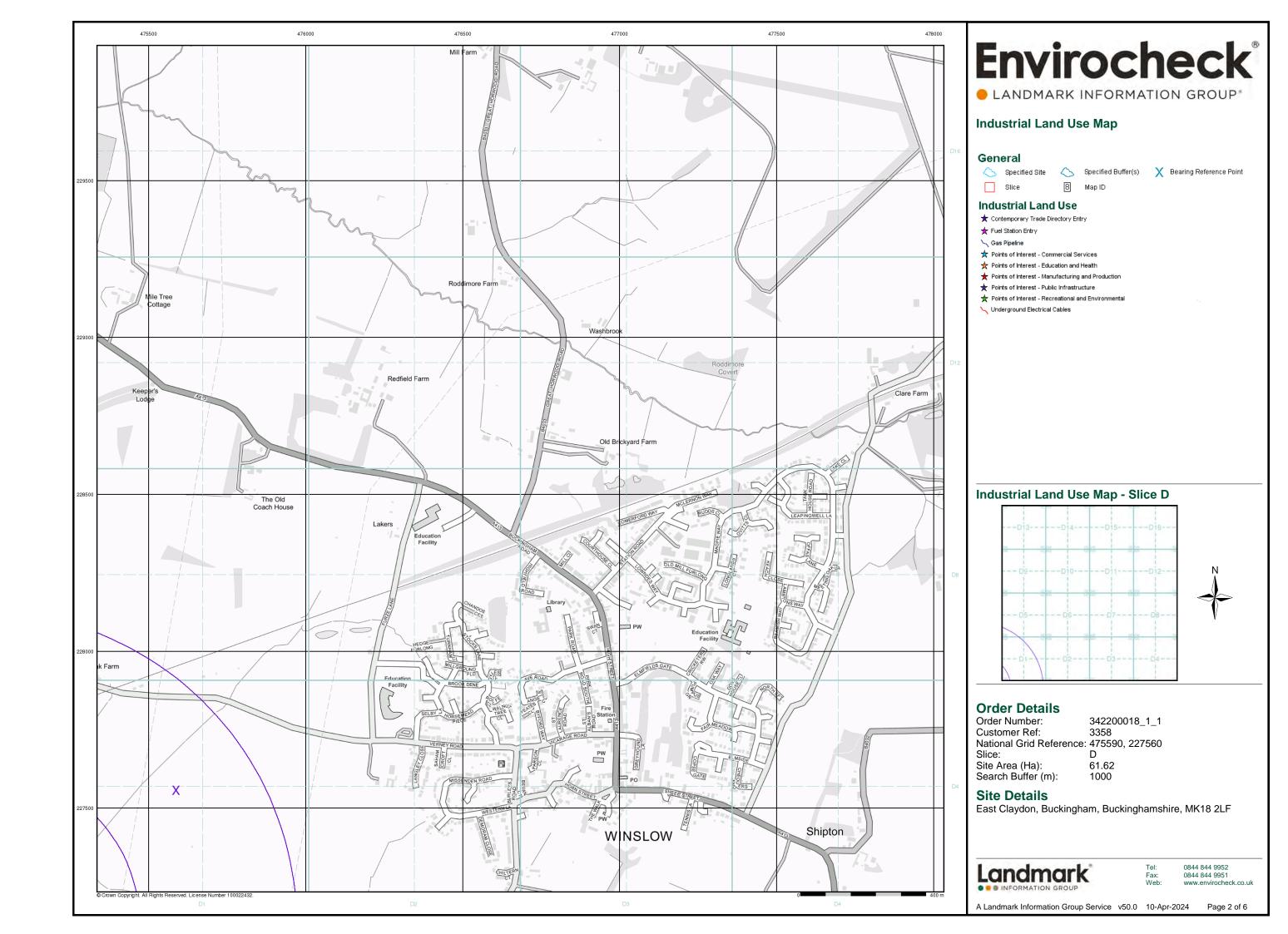
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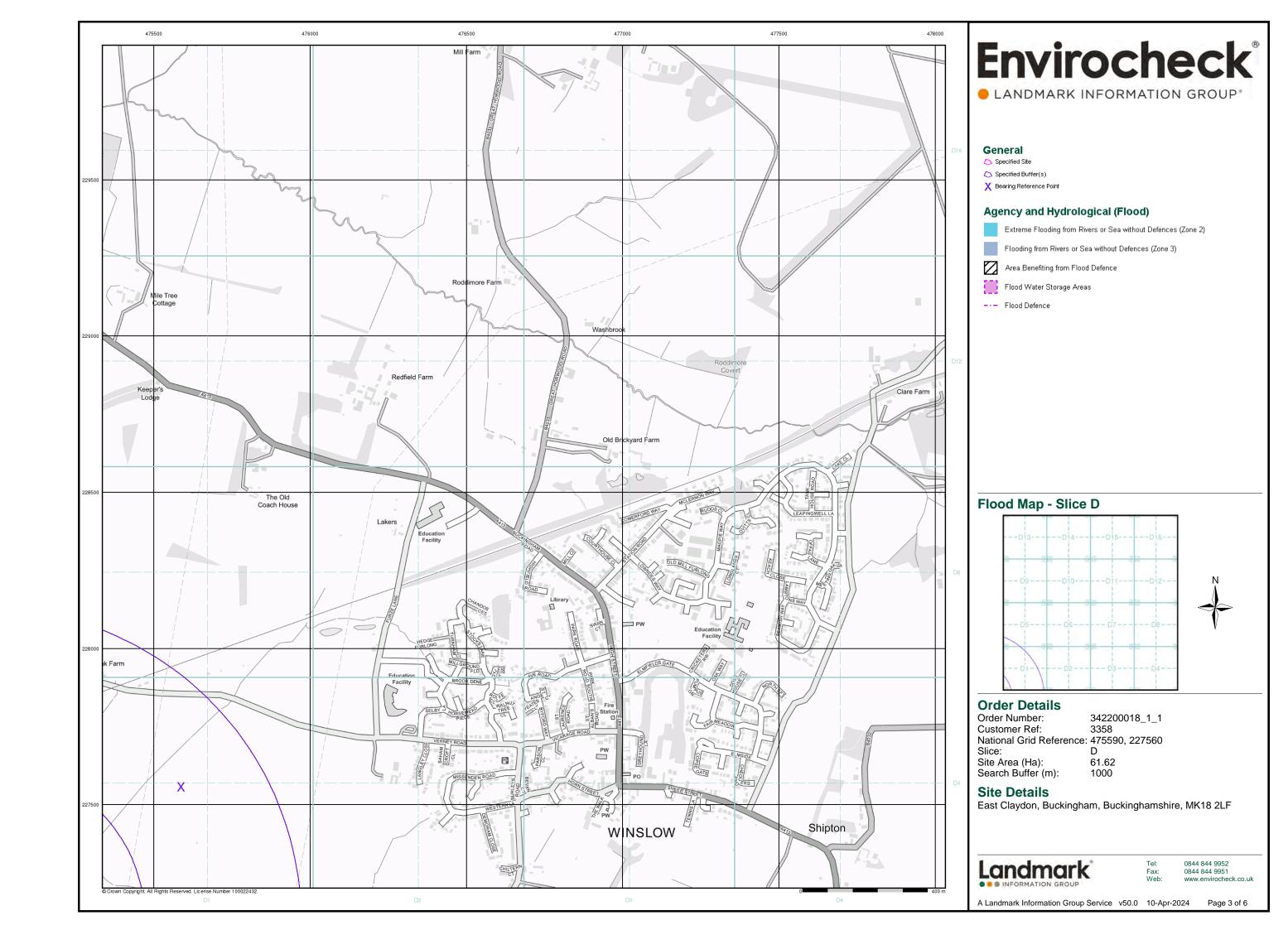


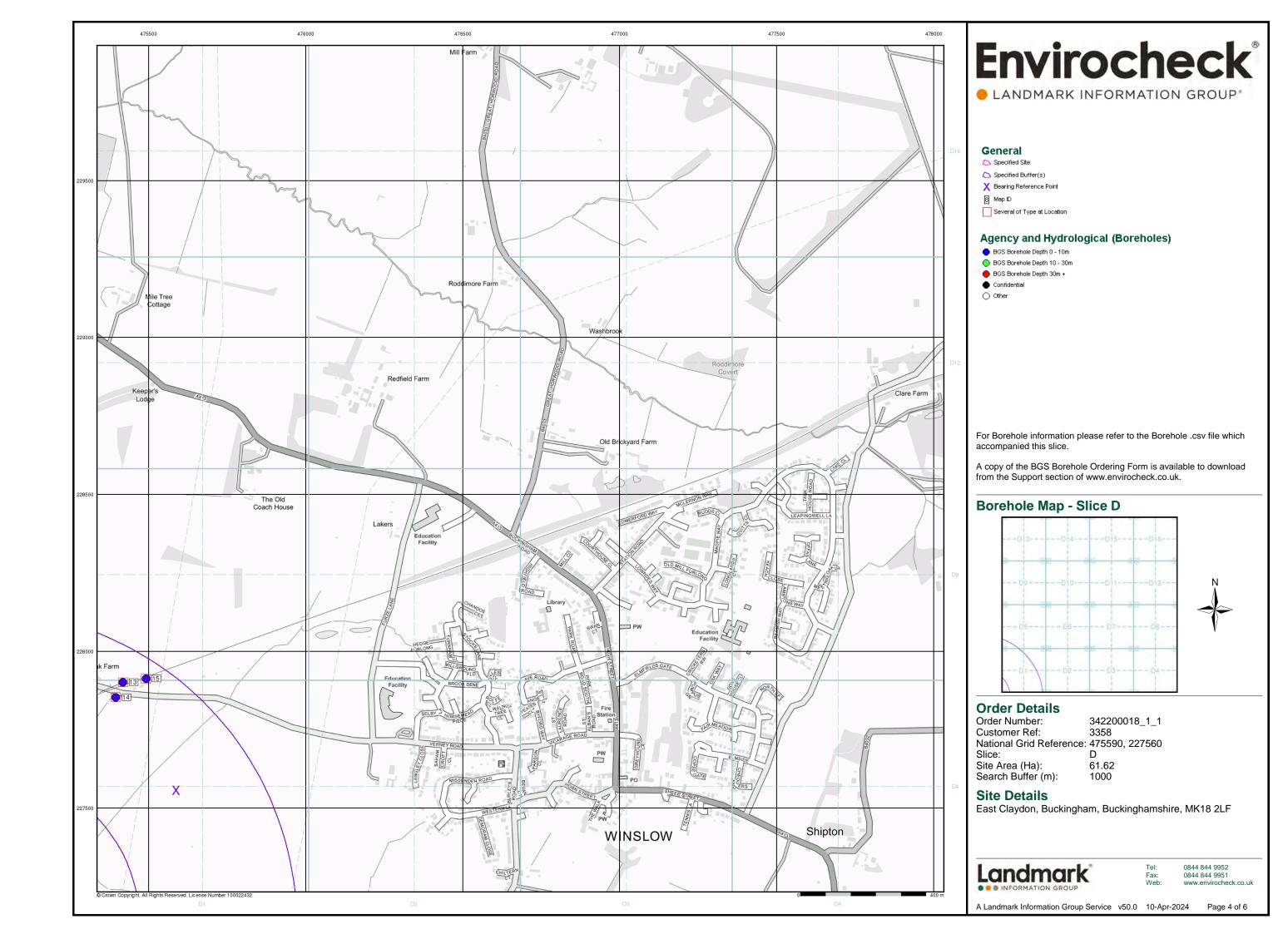


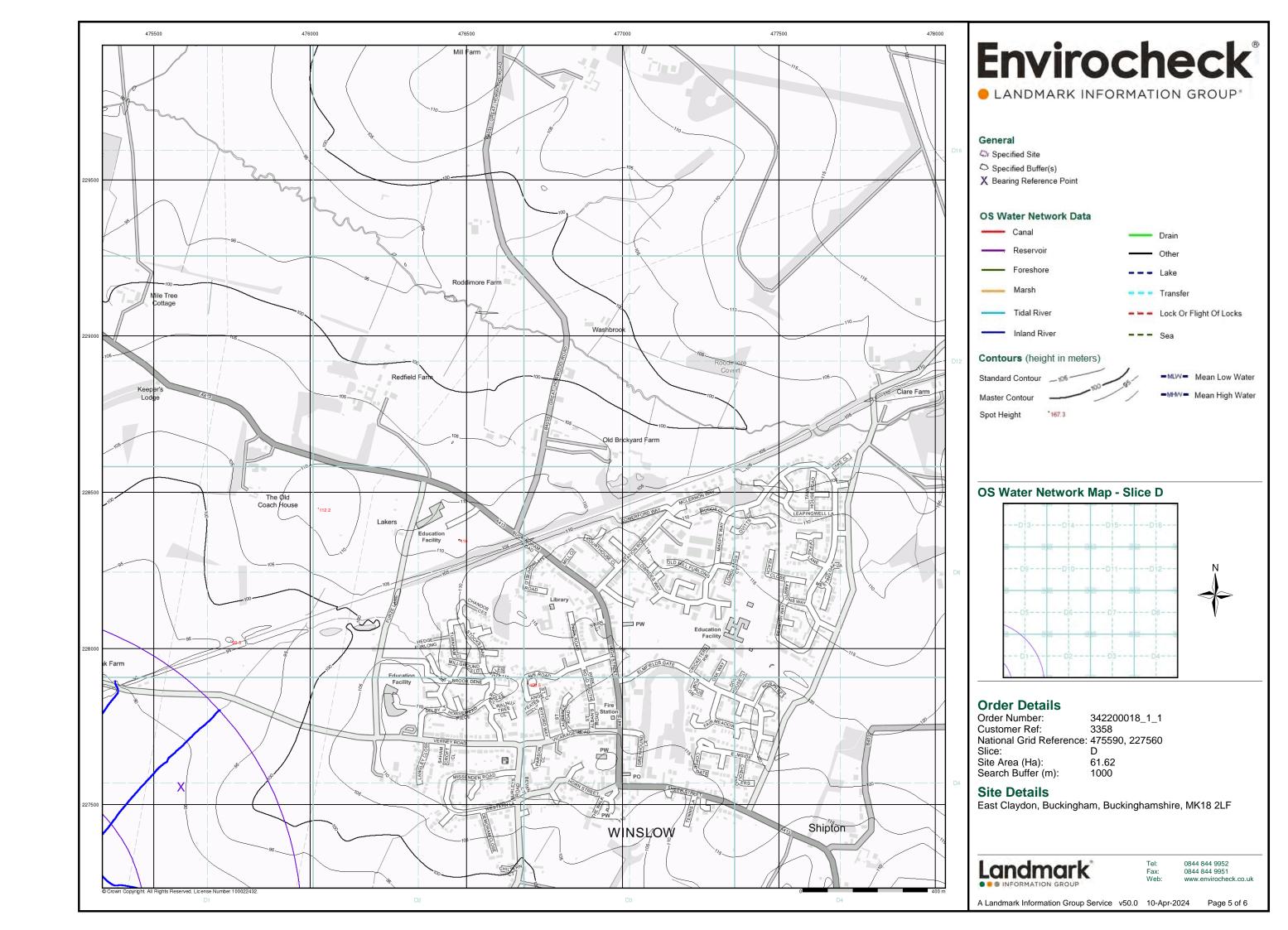


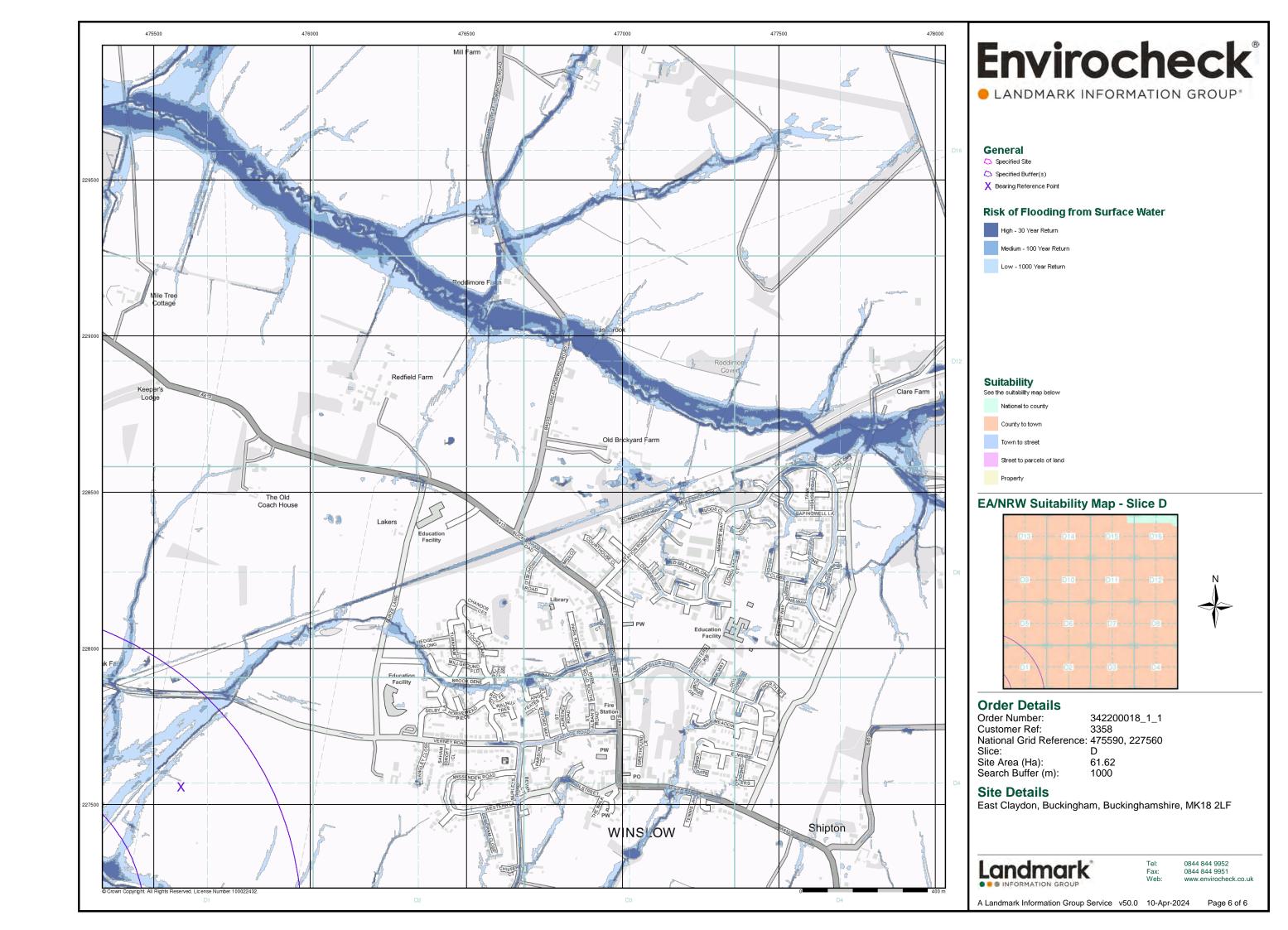


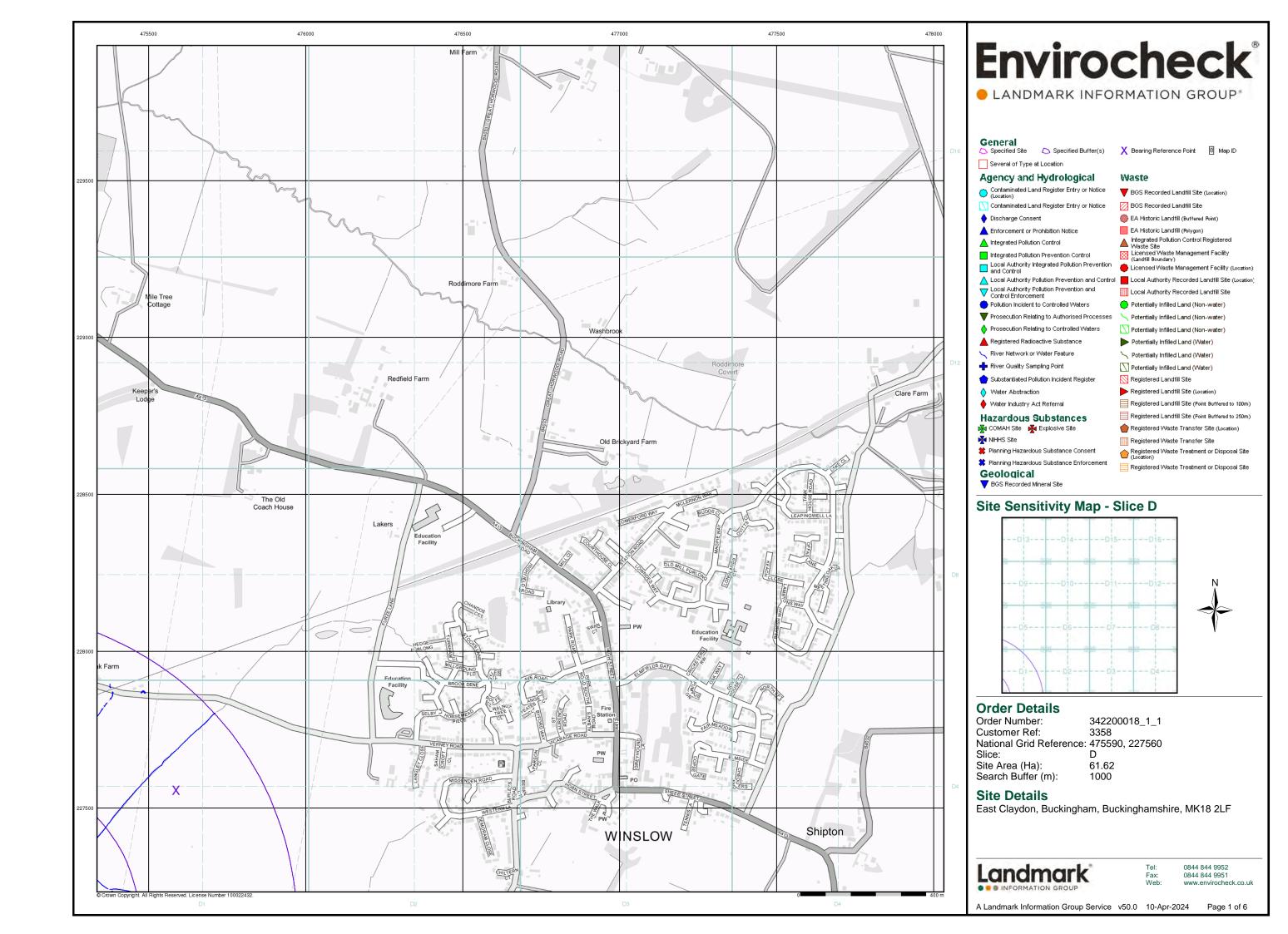


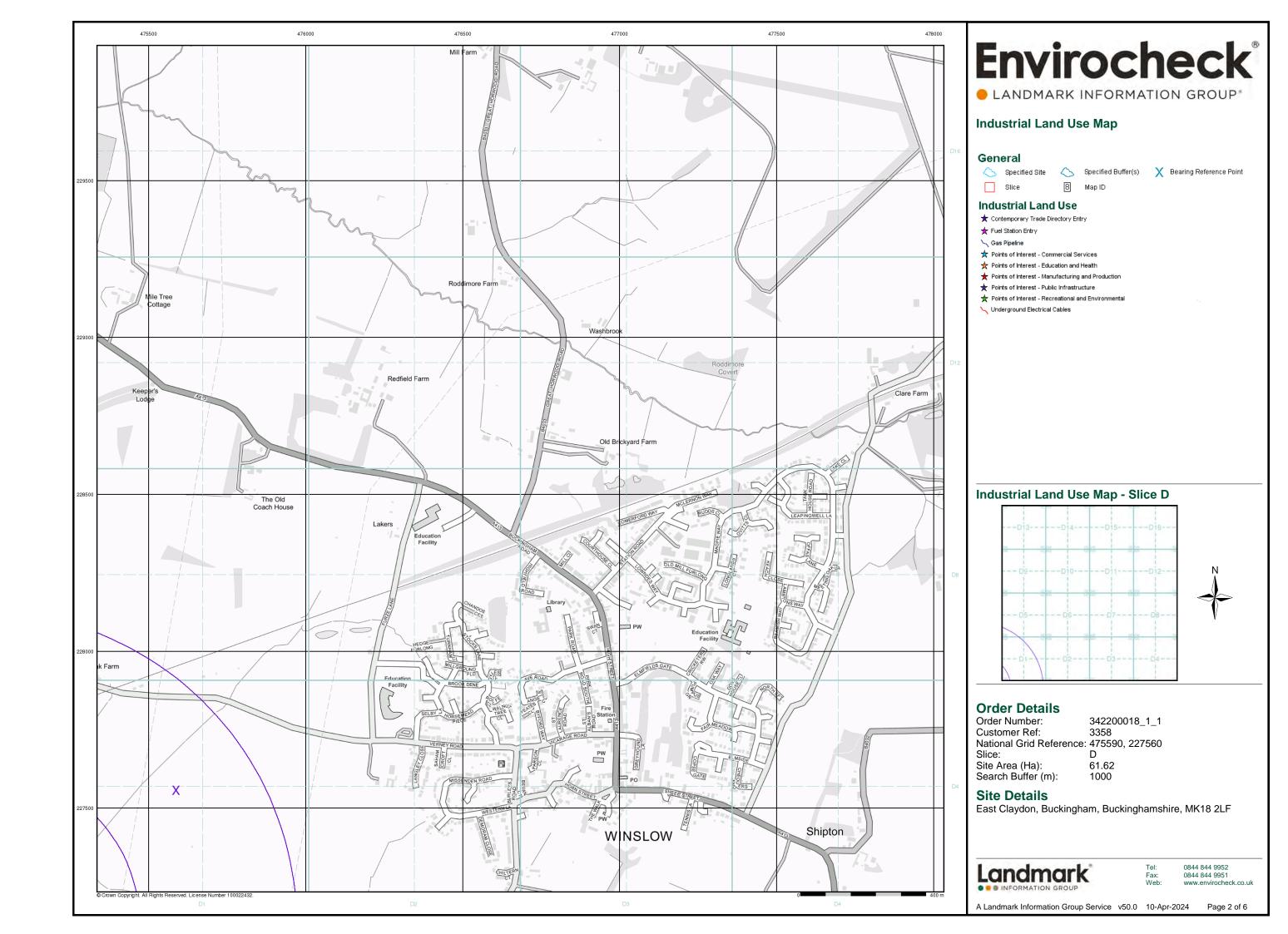


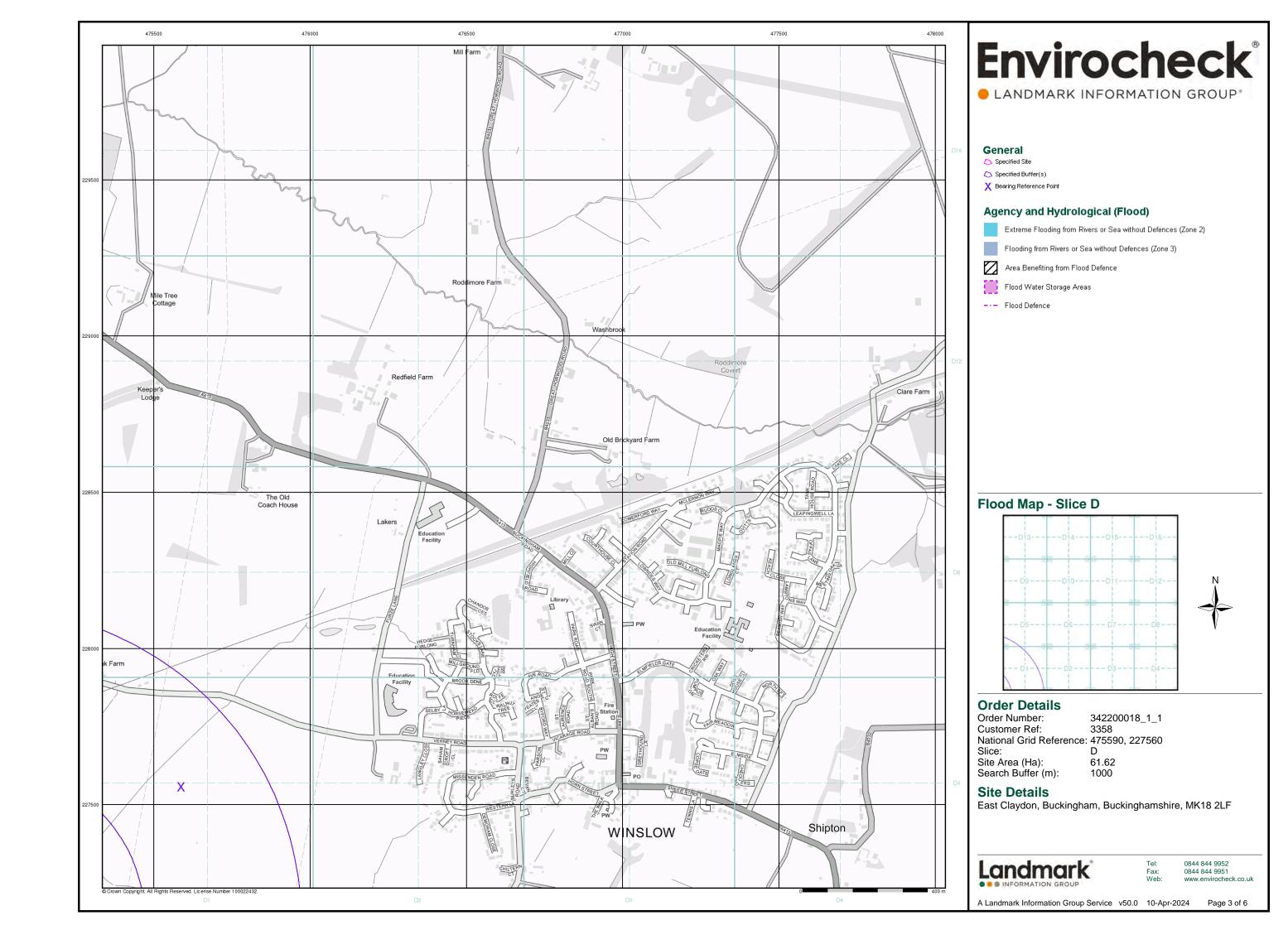


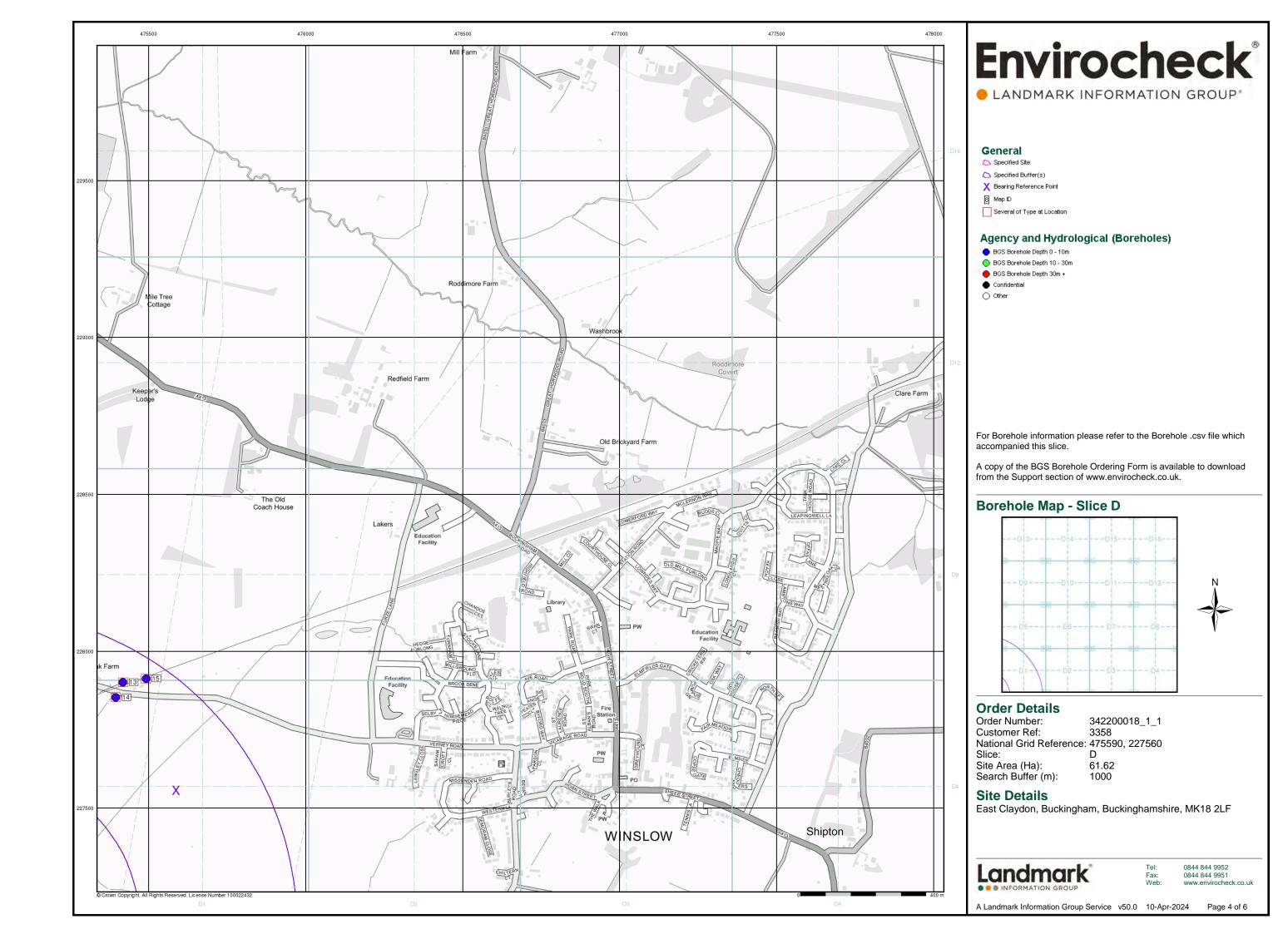


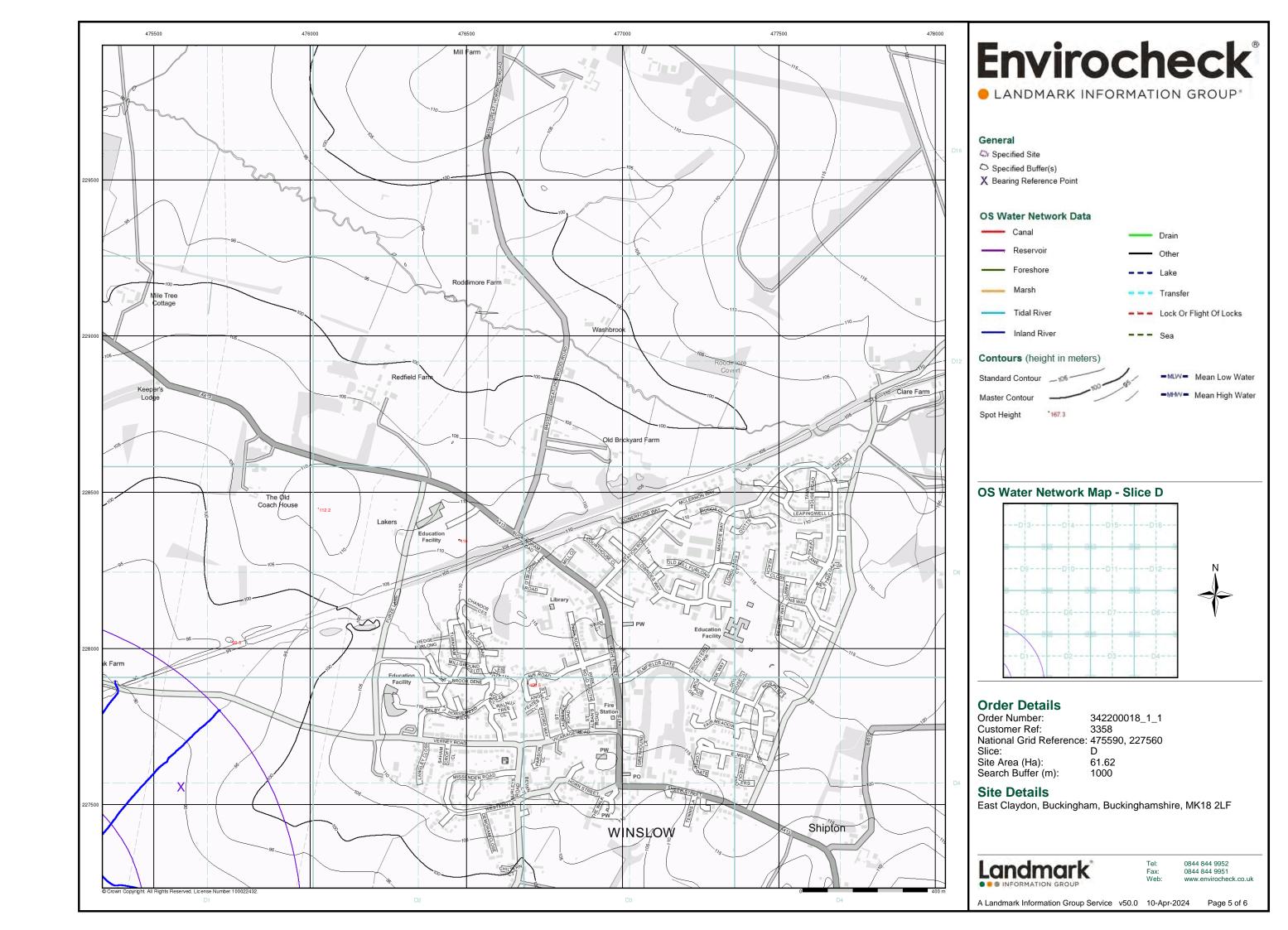


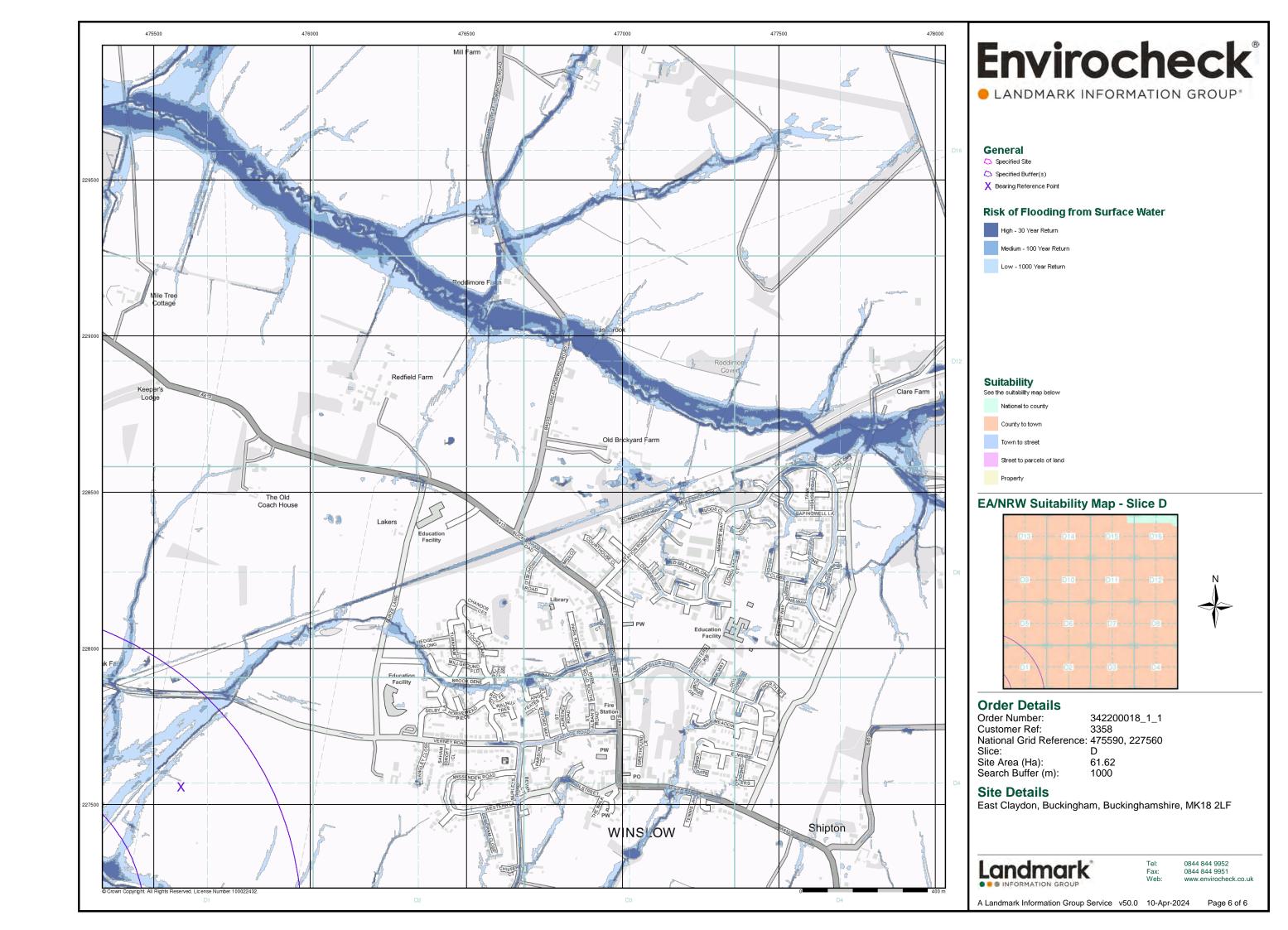


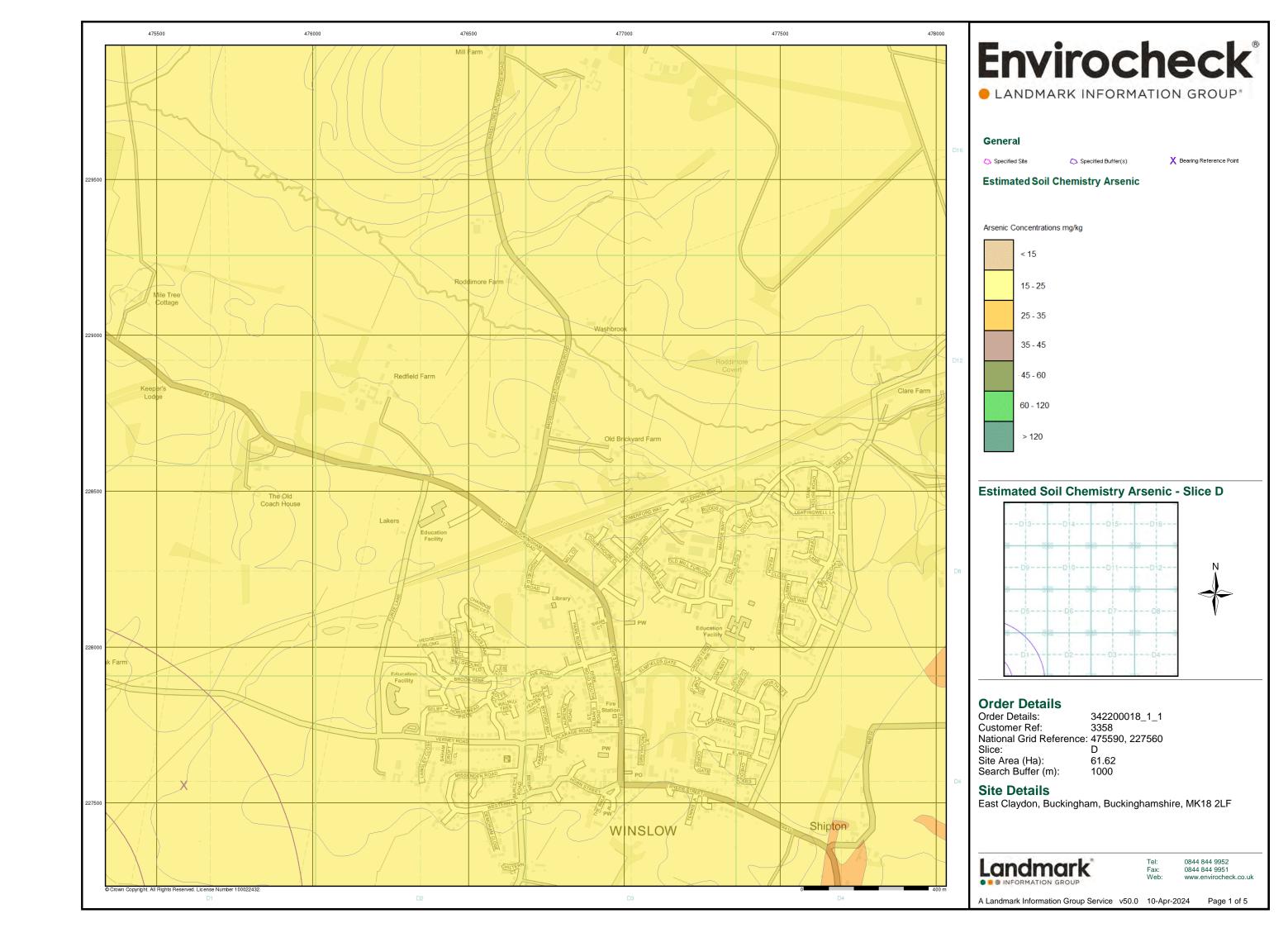


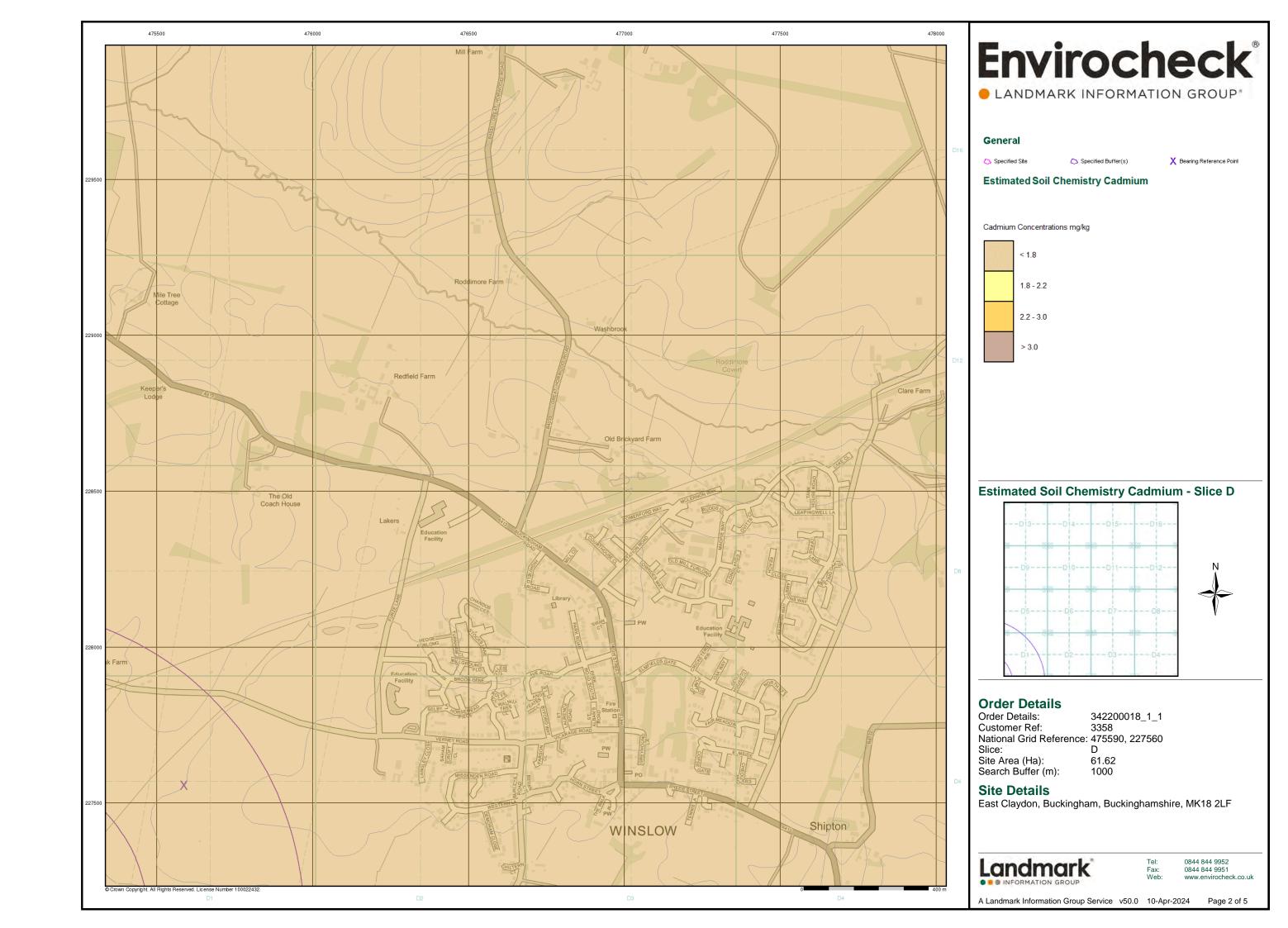


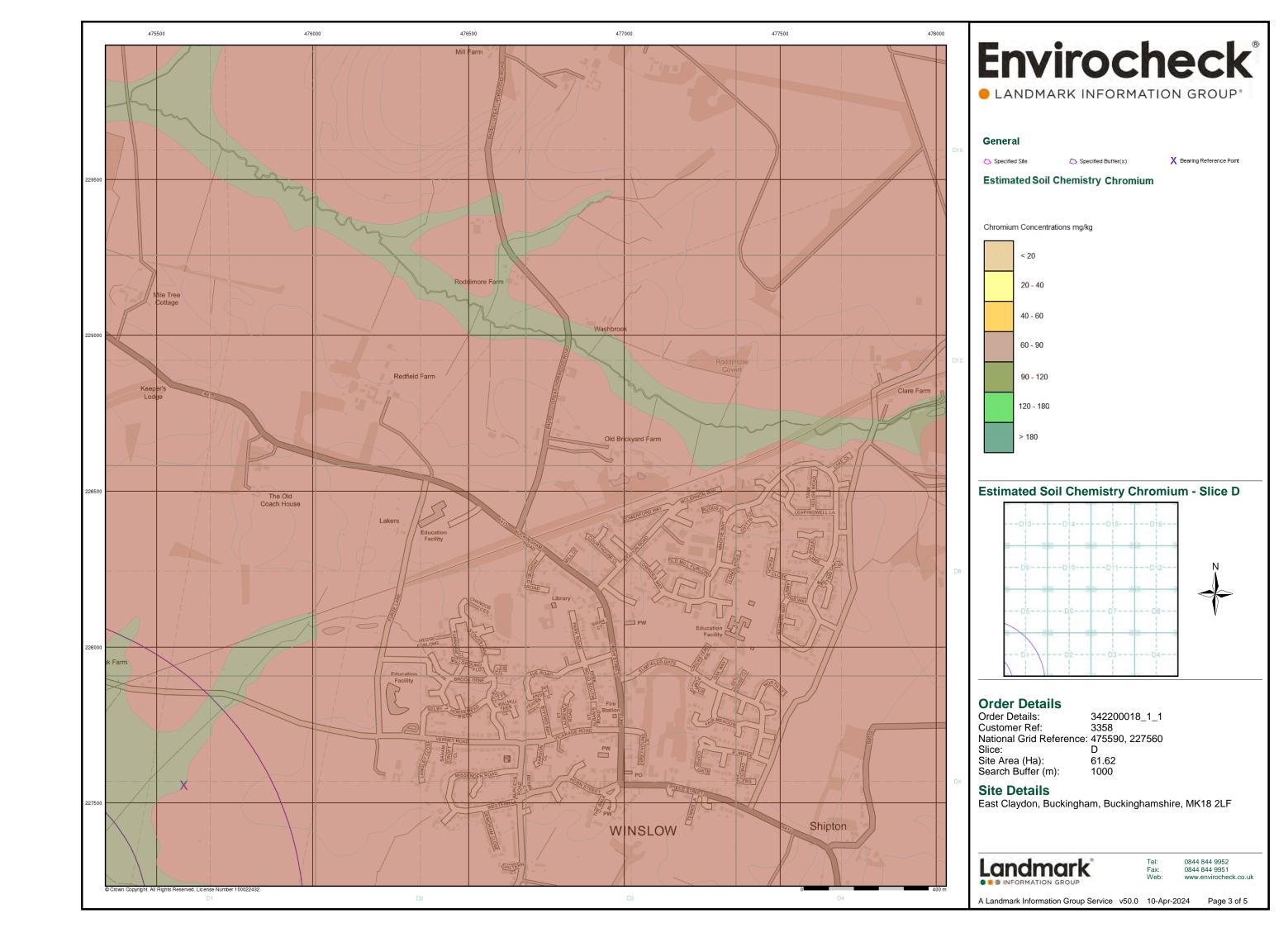


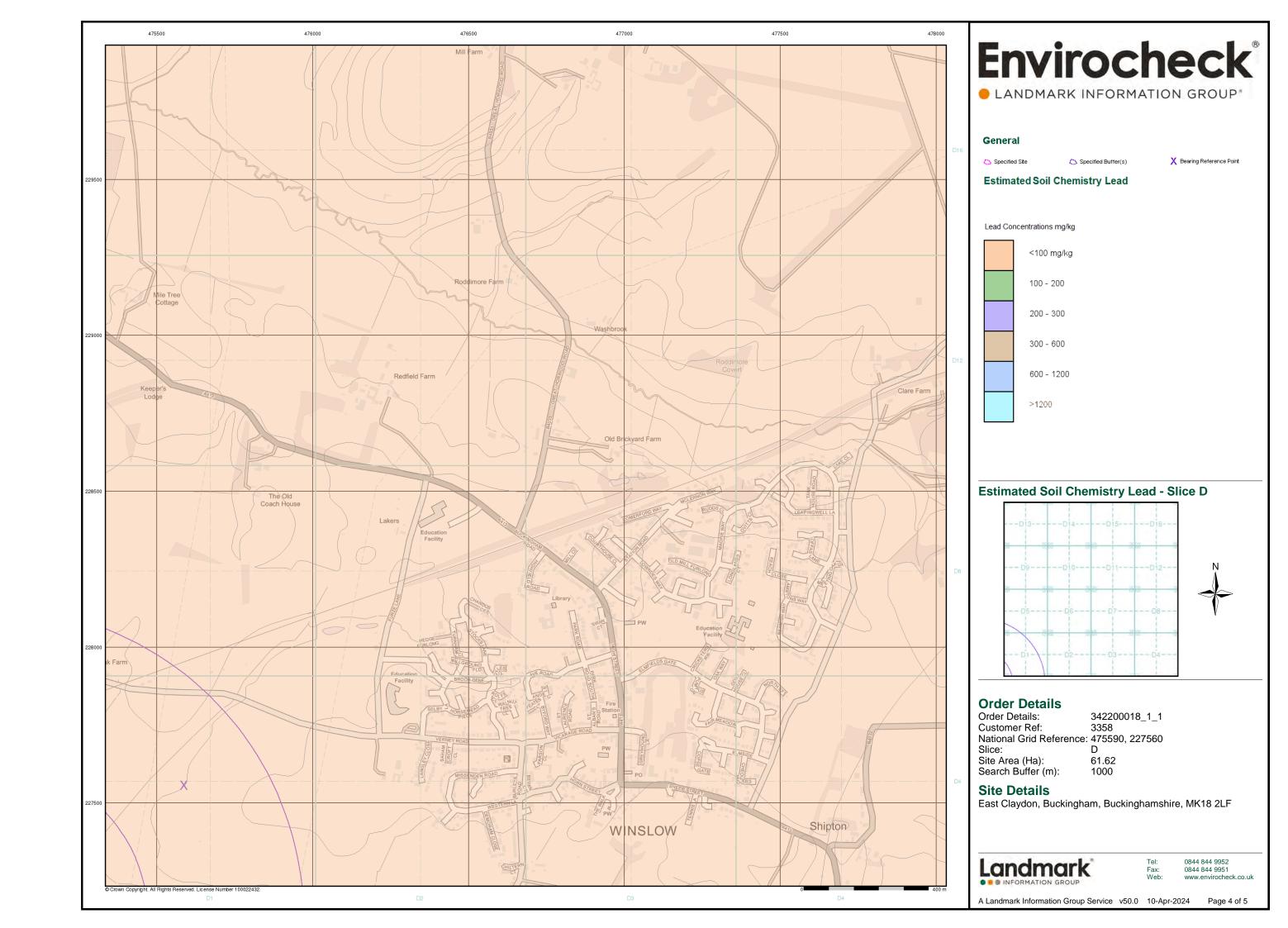


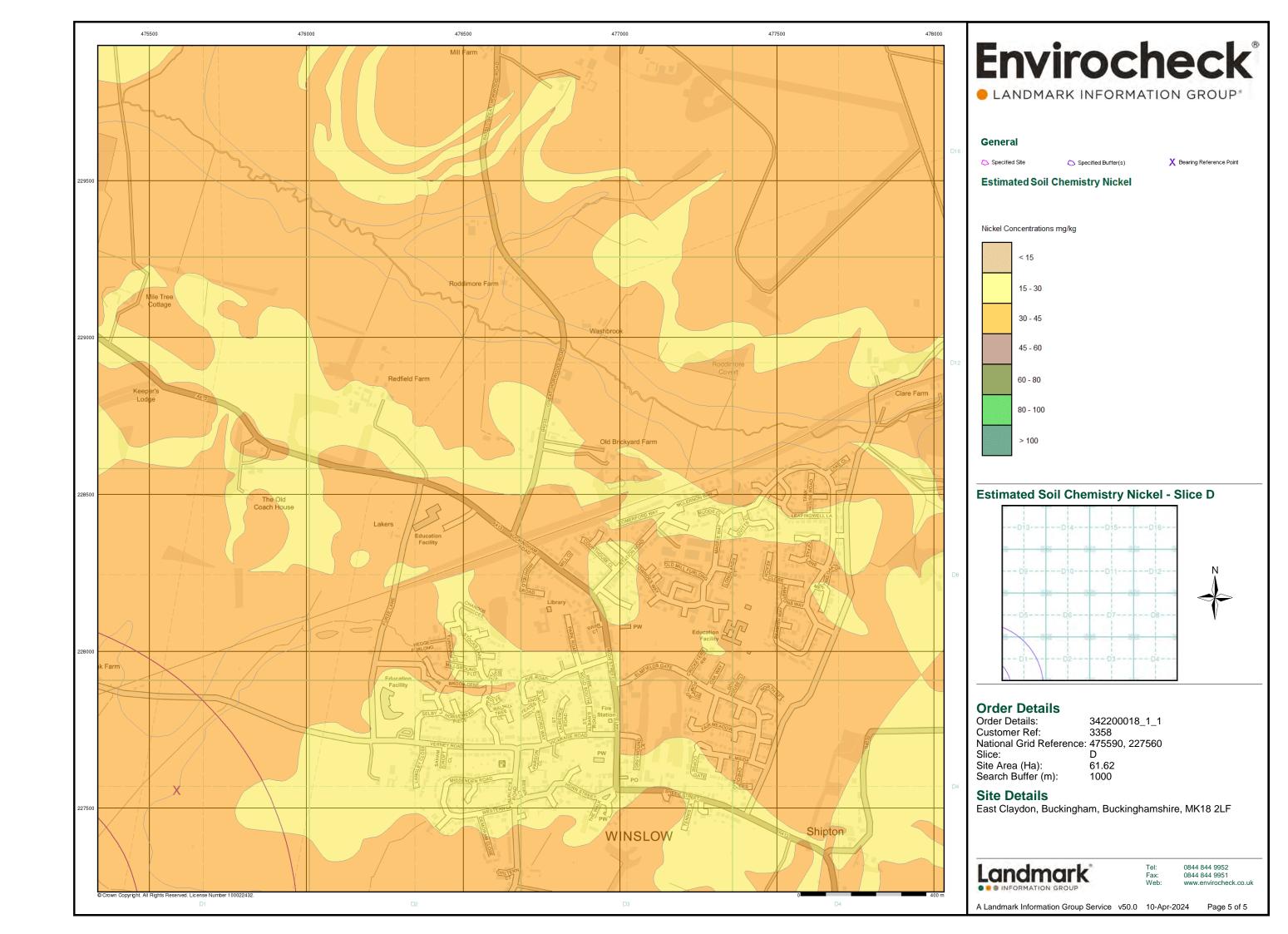


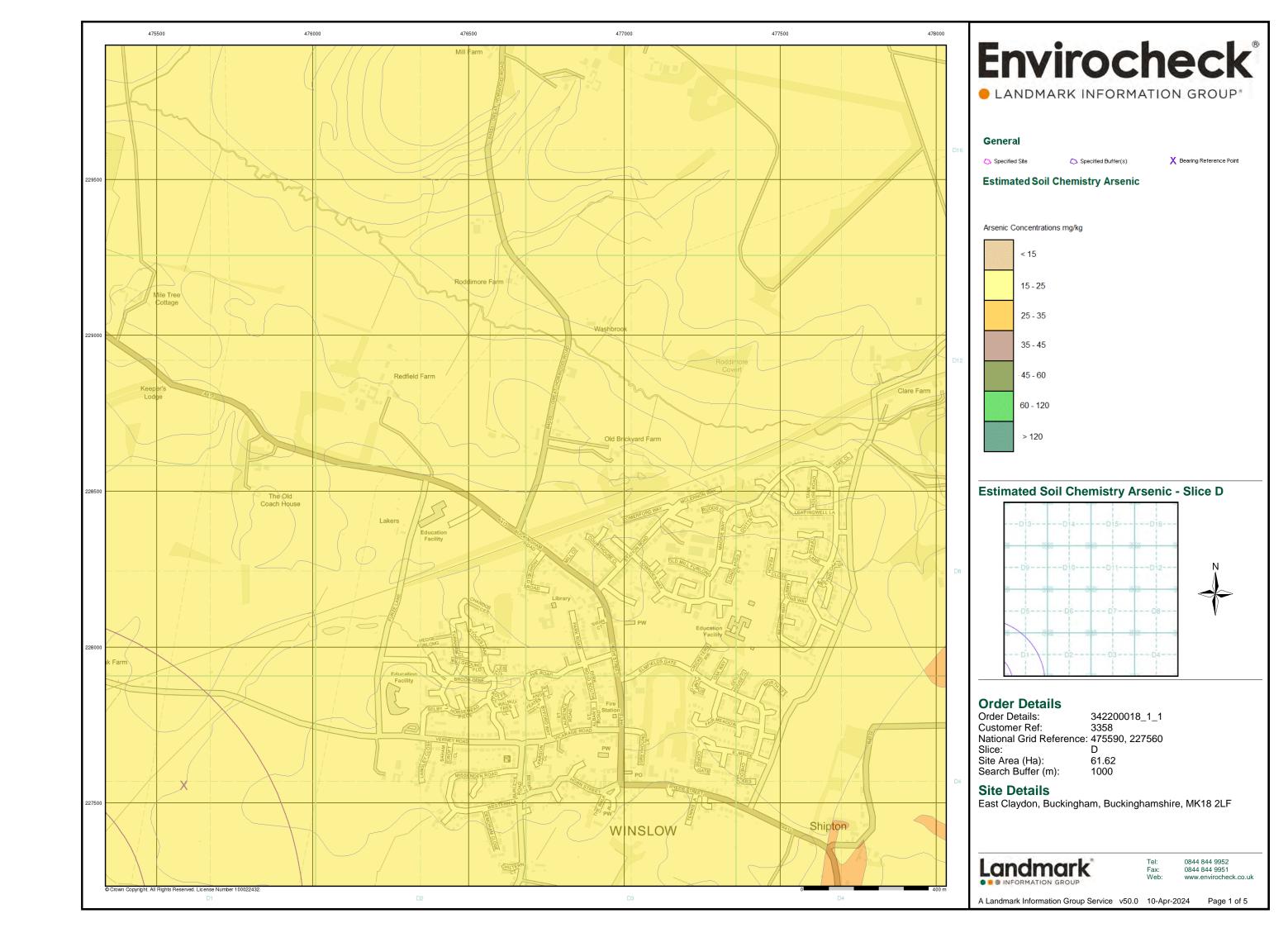


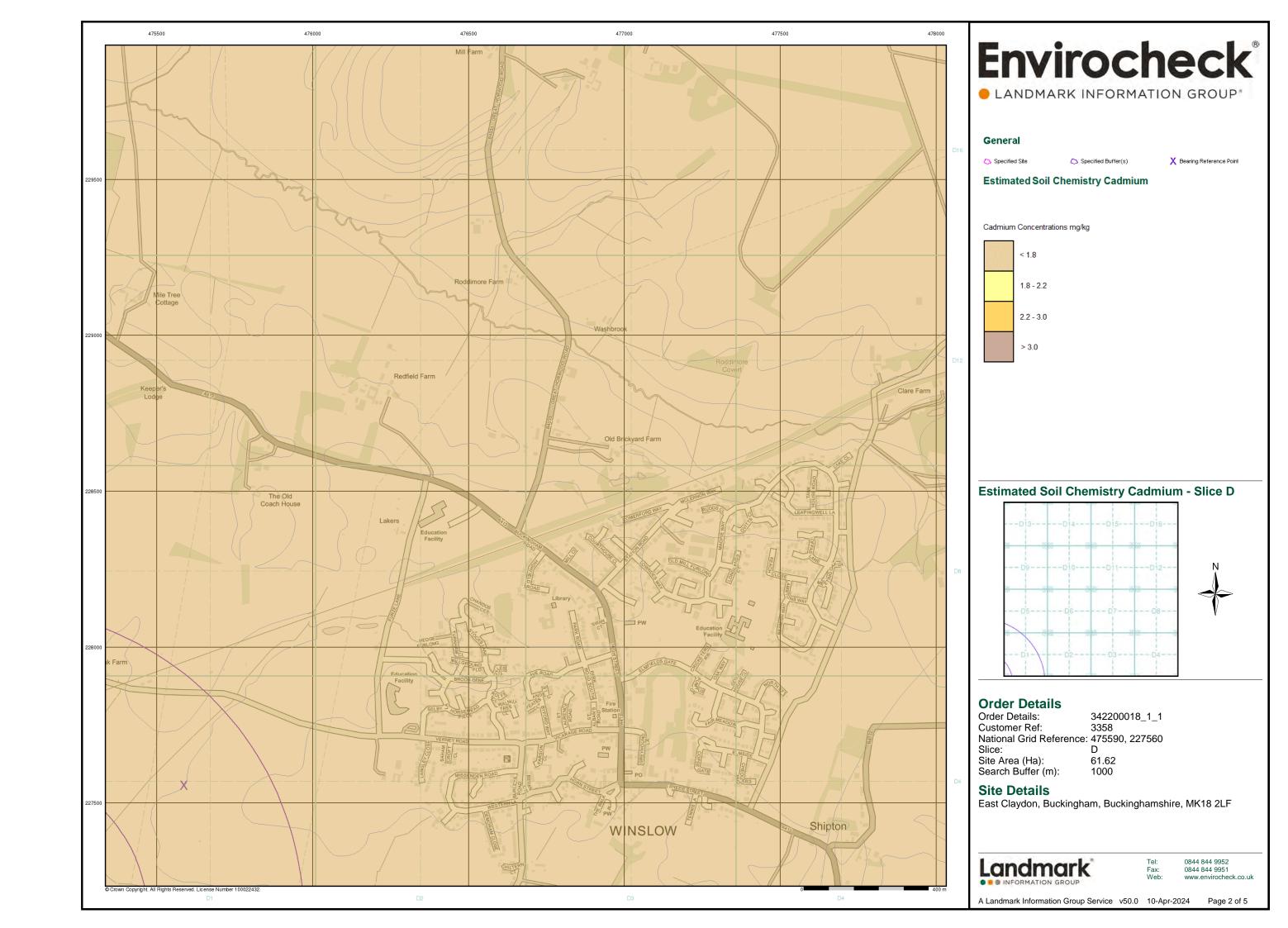


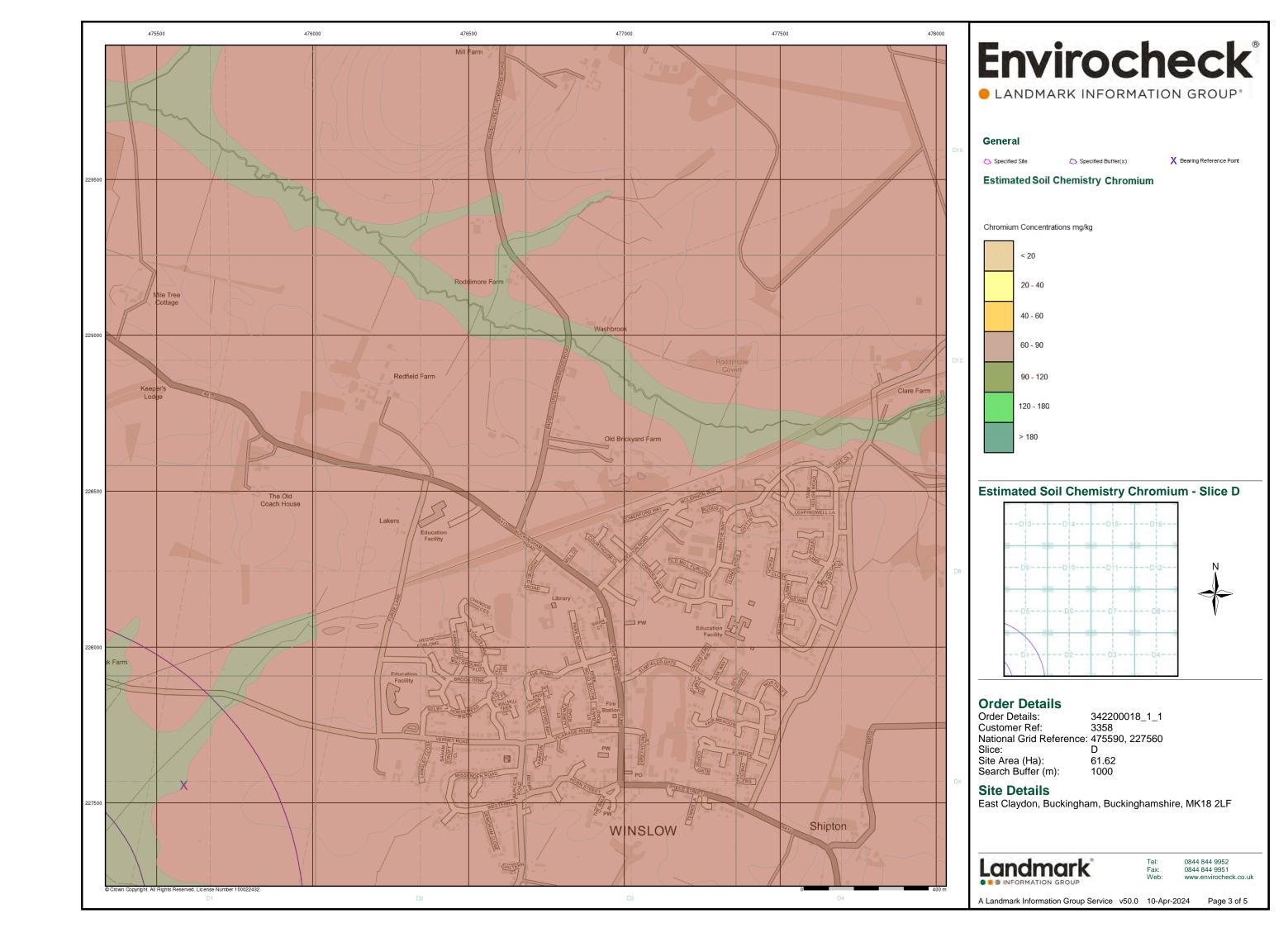


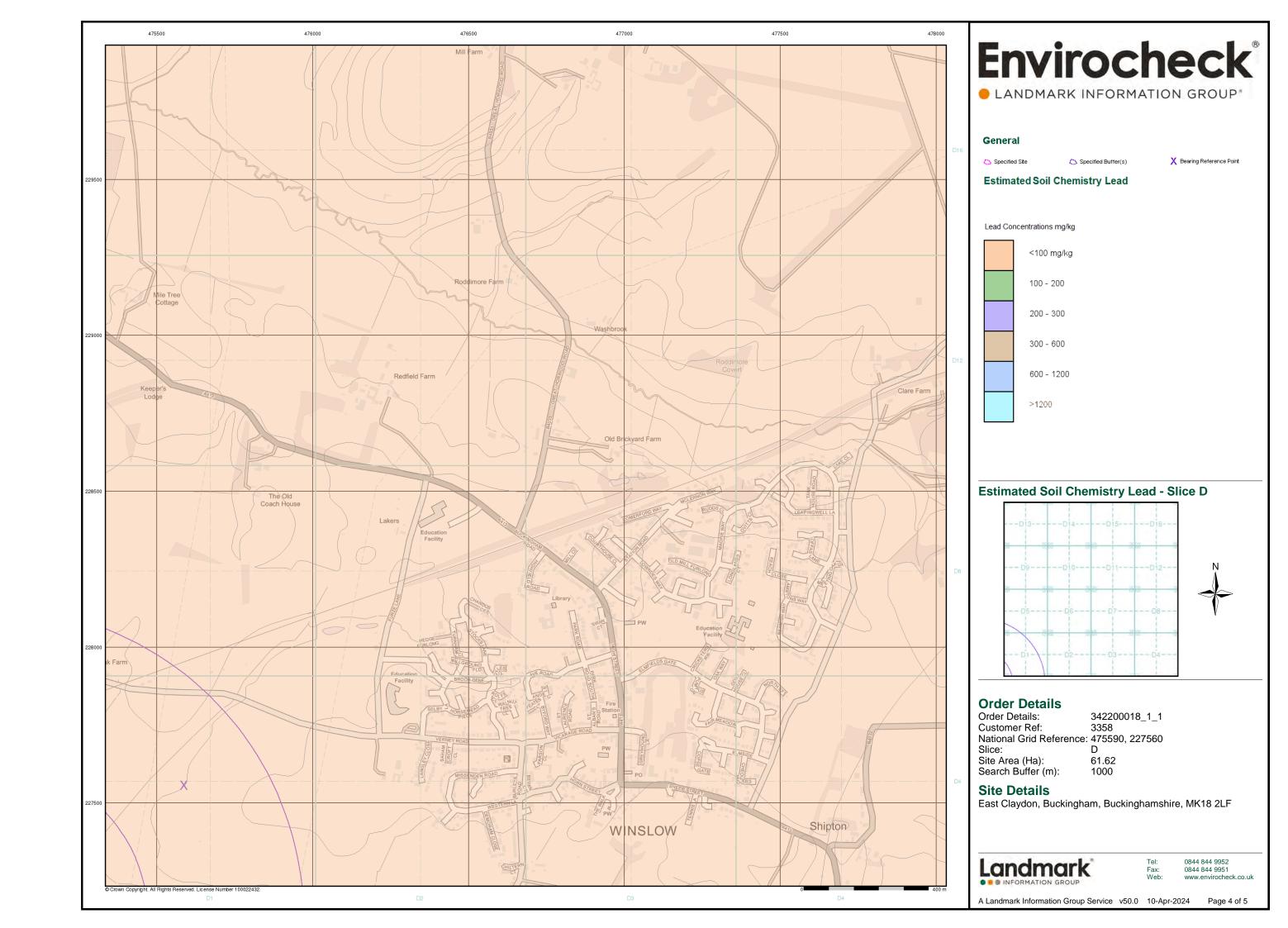


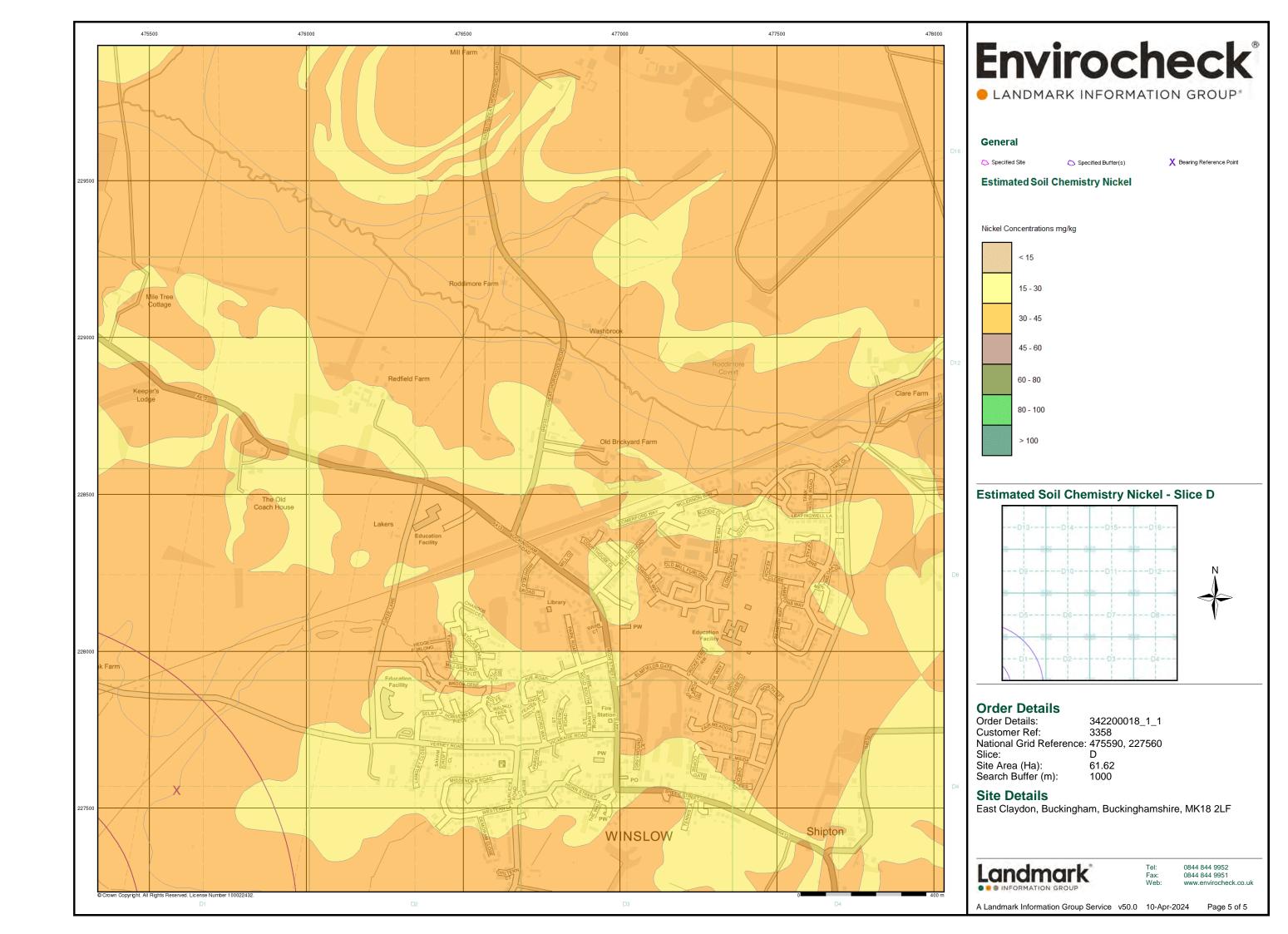


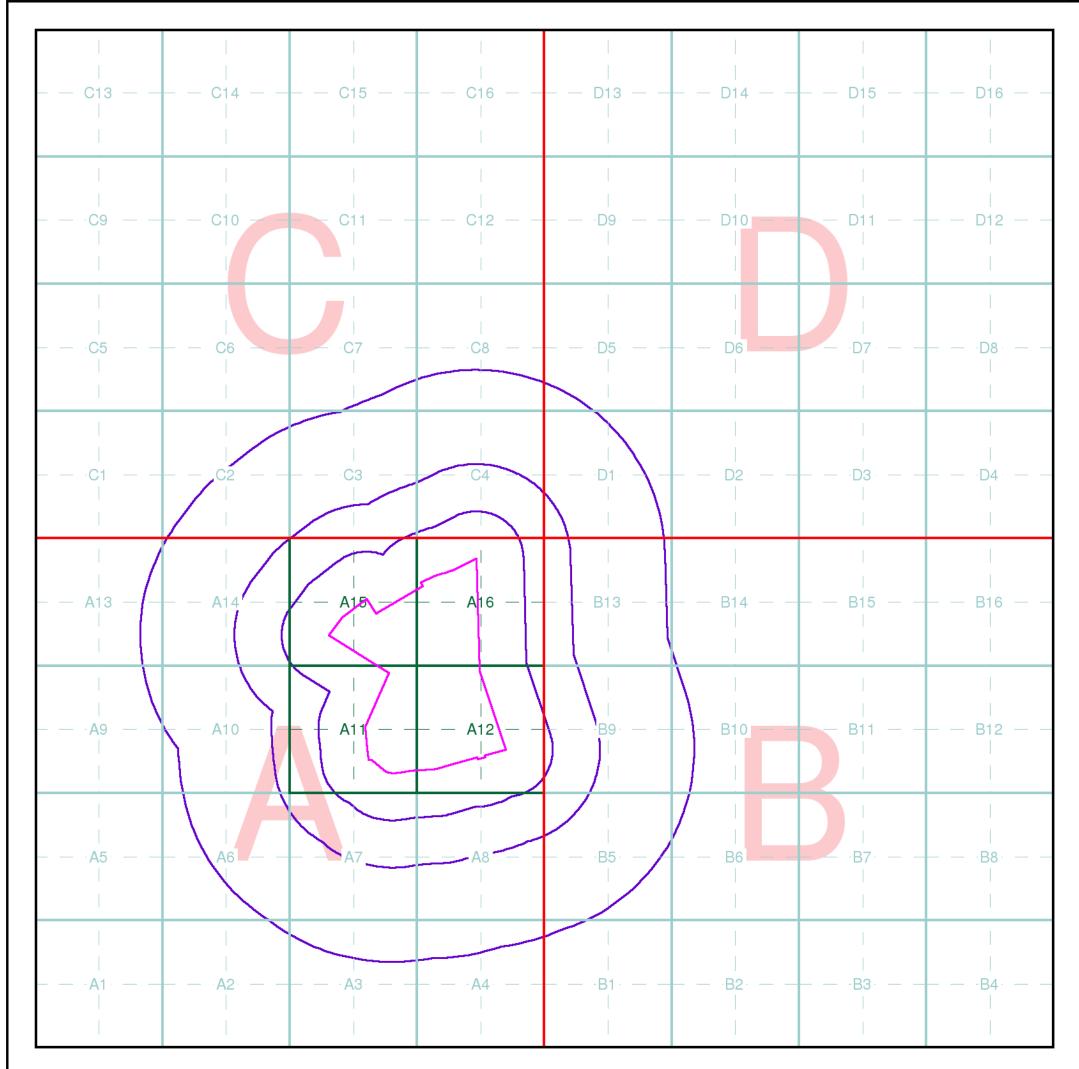












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#### **Index Map**

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

#### Slic

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

#### Seament

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

#### Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:









Envirocheck reports are compiled from 136 different sources of data.

#### **Client Details**

Mr A Fasano, A-squared Studio, 66 Church Road, Richmond, TW10 6LN

#### **Order Details**

Order Number: 342200018\_1\_1 Customer Ref: 3358

National Grid Reference: 474710, 226510

Site Area (Ha): 61.62 Search Buffer (m): 1000

#### **Site Details**

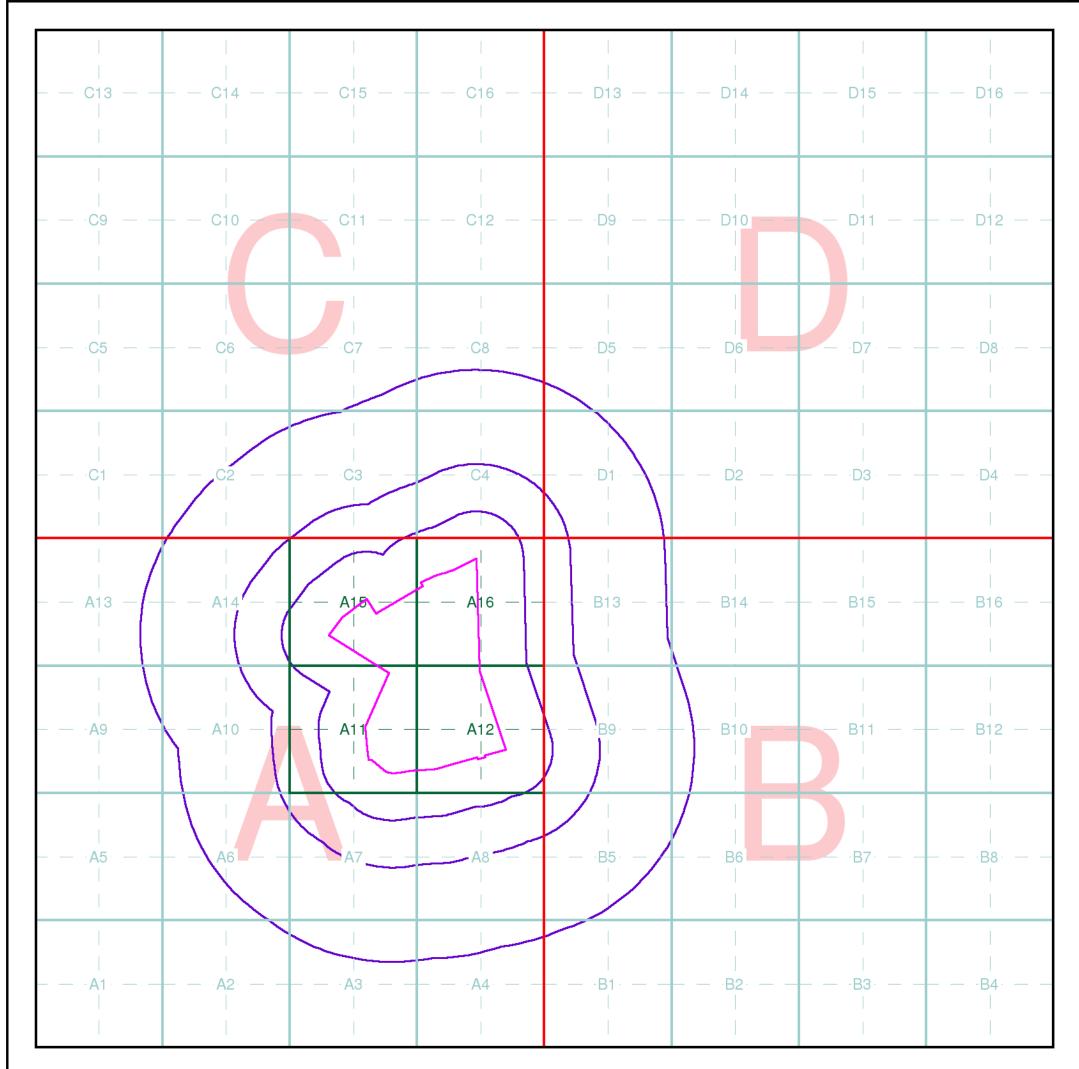
East Claydon, Buckingham, Buckinghamshire, MK18 2LF

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East Claydon, Buckingham, Buckinghamshire, MK18 2LF

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Appendix D: Unexploded Ordnance Risk Assessment



# Preliminary Unexploded Ordnance (UXO)

# Risk Assessment

- Project Name: East Claydon, Buckingham

- Prepared for: A-Squared Studio LTD

- Prepared by: Ethan Edwards

- Study Site: East Claydon, Buckingham, Buckinghamshire, MK18 2LF

- Date: 10/04/24

- Version: 001

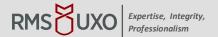
- Checked by: Chas Reid

- Approved by: Kevin Kneebone



### **UK UXO Risk Mitigation Process**

## **RMS UXO Detailed Phases** CIRIA 681 Phases Consultancy Preliminary Desk Top Risk Assessment 1. Preliminary Risk Assessment Detailed Desk Top Risk Assessment 2. Detailed Risk Assessment 3. Risk Mitigation •Risk Mitigation Strategy / Plan Survey • Search & Clear Non-Intrusive Survey • Intrusive Survey Data Processing Interpretation 6 Quality Assurance •UXO Support - Mitigation • Site Investigation On Site Support • Construction On Site Support 4. Implementation • Explosive Ordnance Engineer - Watching Brief • Training - Safety Awareness Briefings • Training - Online UXO Safety Awareness Briefings • Training - Train the Trainer UXO Safety • On-Call / Rapid response Target Investigation Disposal Reporting Final reporting • As Low As Reasonably Possible (ALARP) Certification Post Construction / Build UXO Support





#### Purpose of Assessment

This Preliminary Risk Assessment serves as a qualitative screening tool to evaluate the likelihood of encountering unexploded ordnance (UXO) at the East Claydon, Buckingham, Buckinghamshire, MK18 2LF. The assessment takes into account the basic factors impacting the potential presence of UXO, as detailed in Stage One of the CIRIA UXO risk management process, to provide an informed understanding of the associated risks at the site.

#### Location

The Client has defined the Study Site as East Claydon, Buckingham, Buckinghamshire, MK18 2LF and is approximately centred on the National Grid Reference: SP 74710 26510

The study site is situated in East Claydon, approximately 11.4km north-west of Aylesbury Vale Parkway Railway Station.





#### **Background**

This assessment, undertaken by RMS UXO Limited, (RMS UXO), serves as an initial analysis aimed at understanding the potential risks associated with unexploded ordnance (UXO) at the East Claydon, Buckingham, Buckinghamshire, MK18 2LF. The assessment is conducted following the guidelines specified by CIRIA C681, "Unexploded Ordnance, a Guide for the Construction Industry".

The data compilation and analysis have been carried out by a team of UXO specialists at RMS UXO. Various resources have been used for this assessment. Included but not limited to, extensive historical archives, comprehensive library documents, unique geo-databases, and other online materials.

The assessment is structured around the following key aspects to provide a preliminary understanding of the UXO risk profile for the site:

- Primary Site Information
- Former Military Involvement
- Indicators of potential aerial dropped UXO threats
- Assessment of any Risk Reduction Factors
- Overview of Proposed Intrusive Activities
- Need for Extended Investigation

The main objective is to identify any need for a more detailed UXO Risk Assessment. This preliminary analysis aims to go through the basic risk factors associated with UXO at the site, serving as a practical 'initial move' in the UXO risk management process. The report and its conclusions will be based on preliminary research from RMS UXO's team at the time of production.

#### Considerations

Site Location	East Claydon, Buckingham, Buckinghamshire, MK18 2LF
History of Military Activity	Records do not indicate that there were significant levels of Allied activity in close proximity to the Site due to the undeveloped nature of the Sites' surrounds. However, it cannot be entirely discounted that the Site may have been used for Home Guard training.
Pre- & Post- WWII History	Pre-WWII mapping records that the majority of the Site comprised open undeveloped ground with a railway line intersecting the Site through the centre to the east. Records indicate that the Site remains open ground and the railway line became defunct to civilian transport by 1936 and industrial traffic by 1947. No pre-/WWII-era or post-war imagery of the Site was available at a preliminary stage.
WWII Air Raid Activity	A very low level of bombing is known to have occurred within the Rural District of Winslow. A total of 50 pieces of ordnance were dropped; this does not include incendiary bomb 'showers'.
Bomb Damage	No bomb damage maps are available for Chorley. It should be noted that as photography was not available at this stage, accurate analysis of ground conditions is impossible.
Post War Development	Consulted recent aerial photography of the Site does not appear to show any level of post-war redevelopment. Therefore, only agricultural activities are likely to have taken place on Site.
Proposed Works	At the time of writing, RMS UXO were not made aware of any details for future developments on Site.



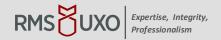
#### Conclusions

During the war the Rural District of Winslow was subject to a very-low level of bombing. As the Site was occupied largely by undeveloped land during WWII and photography was not available at this stage, any evidence of damage occurring will not have been visible within sources consulted at a preliminary stage. As the Site is located in close proximity to incidents of Allied HE bombs being dropped and aircraft crashes during WWII the Site is considered at a likely risk from UXO contamination in the form of air delivered bombs.

#### Recommendations

As per CIRIA C681 the Preliminary Risk Assessment aims to evaluate the potential risk from UXO, based on historical data including wartime bombing records. Recommendations suggest advancing to a Detailed UXO Risk Assessment per CIRIA guidelines for a thorough examination of wartime conditions in the anticipated work area. This entails obtaining local bombing records, WWII-era aerial imagery, and other historical data. Before, or instead of a Detailed Assessment, implementing UXO Risk Mitigation Measures for planned intrusive works is advisable.

Should the client possess any subjective or data-driven insights into UXO risks on-site, contacting RMS UXO is encouraged.







This report has been constructed with professional thought and care by RMS UXO. Historical data has been meticulously collected and reviewed from third party sources. The validity of this information has been checked to the best of our ability, but RMS UXO holds no accountability for errors resulting from missing or incomplete information. Moreover, despite best efforts to compile a comprehensive historical dataset RMS UXO disclaims responsibility for any subsequent modifications to risk evaluations or mitigation proposals that may be necessitated by the discovery of additional information post factum.





## Appendix E: Site Walkover Records



Image 1: Track in the southern portion of the wider site



Image 2: Example of dense vegetated area to the north of the site.





Image 3: Eastern field of the proposed development area



Image 4: Western field of the proposed development area





Image 5: Example of the drainage ditch north adjacent to development area (close up).



Image 6: Example of the drainage ditch north adjacent to development area.





Image 7: Example of the drainage ditch adjacent to the track.



Image 8: Example of the drainage ditch adjacent to the track (close up).





Image 9: Pile of stockpiled metal structures observed on the track.



**Image 10:** Track in the northern portion of the site (within the proposed development area).



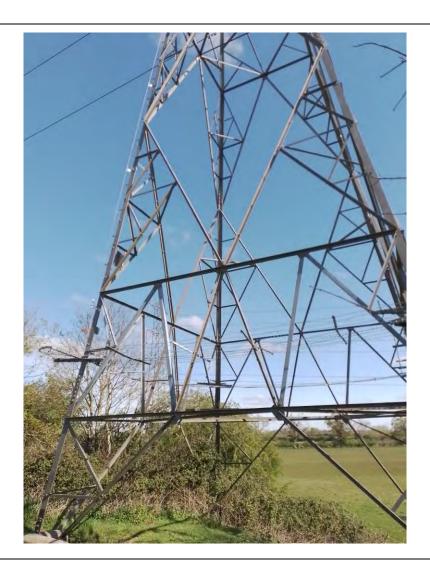


Image 11: Electrical grid tower



Appendix F: Regulatory Correspondence

# **Finlay Campbell**

From: Deborah Ferady < Deborah.Ferady@buckinghamshire.gov.uk >

**Sent:** 10 May 2024 13:21 **To:** Dustin Dela Cruz

Subject: RE: [EXTERNAL] RE: Site Information Request - East Claydon, Buckinghamshire

Dear Dustin,

Thank you for your query in relation to your site in East Claydon. After consulting our records I can confirm the following:

- 1. Our historical records indicate the former Aylesbury & Buckingham Railway later called the Metropolitan Railway line ran vertically through the middle of the site until its closure in approximately 1936. A discussed railway line remained and the former railway line is still evident today. In addition to the railway line as you will already know the East Claydon National Grid substation is present to the south east of the site. The remainder of the site and the area around the site is recorded as being agricultural land.
- 2. There are no private water supplies registered with Buckinghamshire Council at the site or within 500m of the site.
- 3. The Strategic Environmental Protection Team have no records of any pollution incidents occurring at the site or within 500m.
- 4. There are no Part IIA sites located at the site or within 500m of the site.
- 5. There are no sites being considered for investigation under Part IIA.
- 6. There are no records of any current or historical landfill or waste sites located at the site or within 500m.
- 7. The Strategic Environmental Protection Team do not have any records of any ground investigations which have taken place at the site or within 500m.

I hope the above answers your query and if I can be of further assistance please do not hesitate to contact me.

Kind Regards

Debbie

## **Debbie Ferady**

Environmental Protection Officer (Strategic)
Strategic Environmental Protection
Communities, Transport and Regulatory Services Directorate

01296 585621

Deborah.Ferady@buckinghamshire.gov.uk

Buckinghamshire Council, Walton Street, Aylesbury, Buckinghamshire HP20 1UA

From: Dustin Dela Cruz <dustin.delacruz@a2-studio.com>

**Sent:** Wednesday, May 8, 2024 11:39 AM

To: Environmental Health Mailbox <environmentalhealth@buckinghamshire.gov.uk>

Cc: Finlay Campbell <finlay.campbell@a2-studio.com>

Subject: [EXTERNAL] RE: Site Information Request - East Claydon, Buckinghamshire

You don't often get email from dustin.delacruz@a2-studio.com. Learn why this is important

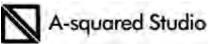
### Good morning,

I sent a request for a land search (detailed below) last month. Would you please be able to provide us an update?

Kind regards,

# **Dustin Dela Cruz**

MESci (Hons) Geo-environmental Consultant



M: 07796 162594 T: 020 7620 2868

**Dustin Dela Cruz on LinkedIn** 

One Westminster Bridge Rd London, SE1 7XW www.a2-studio.com

From: Dustin Dela Cruz

Sent: Wednesday, April 10, 2024 9:18 AM

To: 'environmentalhealth@buckinghamshire.gov.uk' <environmentalhealth@buckinghamshire.gov.uk>

Cc: Finlay Campbell < finlay.campbell@a2-studio.com>

Subject: Site Information Request - East Claydon, Buckinghamshire

Good morning,

A-Squared are preparing a geoenvironmental desk study report. Please can an Environmental Health Officer provide the requested information (see below) held by the local authority with respect to the subject site shown on the below plans, if information is available. The site boundary is as shown by the red line. The site is located at East Claydon, Buckinghamshire, MK18 2LF.



The site is located at approximate national grid reference: 474710, 226510.

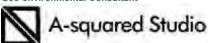
The information specifically requested is any information held by the local authority on the following bullet-points. Information for the site or within 500 m of the site is generally requested. Information on the distance and direction of each identified feature from the site is also requested.

- Historical land uses (specifically for the site or immediately adjacent to it rather than within 500 m, in this case):
- Licenced private water abstractions (surface or groundwater) and details of the geological unit each abstracts from and water use;
- Recorded pollution incidents and the incident response / remediation details;
- Any Part 2a sites (EPA 1990);
- Any sites being considered for investigation under Part 2a (EPA 1990);
- Records of current or historical landfills and waste sites; and
- Any ground investigation data (specifically for the site or immediately adjacent to it rather than within 500 m, in this case).

Kind regards,

#### **Dustin Dela Cruz**

MESci (Hons) Geo-environmental Consultant



M: 07796 162594 T: 020 7620 2868

**Dustin Dela Cruz on LinkedIn** 

One Westminster Bridge Rd London, SE1 7XW www.a2-studio.com



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# **Finlay Campbell**

From: Dustin Dela Cruz

Sent: 10 April 2024 09:14

To: 'Enquiries, Unit'

**Subject:** Site Information Request - East Claydon, Buckingham

# Good morning,

A-Squared are preparing a geoenvironmental desk study report. Please can you provide the requested information (see below) held by the Environment Agency (EA) with respect to the subject site shown on the below plans, if information is available. The site boundary is as shown by the red line. The site is located at East Claydon, Buckinghamshire, MK18 2LF.



The site is located at approximate national grid reference: 474710, 226510.

The information specifically requested is any information held by the EA on the following bullet points, either for the site itself or within 500 m of the site boundary:

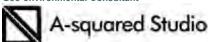
(information on the distance and direction to each identified feature is also requested)

- Background groundwater and surface water quality;
- Groundwater flow direction (for the various geological units) and general hydrogeological site setting / hydrogeological parameters;
- Licenced water abstractions (surface and groundwater) and details of the geological unit each abstracts from;
- Groundwater Source Protection Zones (SPZs);
- Licenced Discharge Consents;
- Records of any pollution incidents and remediation subsequently undertaken;
- Records of any 'Special Sites' as per Part 2a (EPA 1990);
- Details of any sites under consideration for investigation as a potential 'Special Site' as per Part 2a (EPA 1990);
- Records of current or historical landfill sites or waste sites;
- Details of any lined surface watercourses;
- Details of any culverted watercourses;
- Historical land uses (specifically for the site or immediately adjacent to it rather than within 500 m, in this case); and
- Any ground investigation data for the site or immediately surrounding area.

Kind regards,

# **Dustin Dela Cruz**

MESci (Hons) Geo-environmental Consultant



M: 07796 162594

T: 020 7620 2868

Dustin Dela Cruz on LinkedIn

One Westminster Bridge Rd London, SE1 7XW www.a2-studio.com

# **Finlay Campbell**

From: Dustin Dela Cruz

Sent: 08 May 2024 10:10

To: Finlay Campbell

**Subject:** FW: EAn/2024/355289 Response - Ref: 240411/msr05 - Site Information

Request - East Claydon, Buckingham

### **Dustin Dela Cruz**

MESci (Hons) Geo-environmental Consultant



M: 07796 162594 T: 020 7620 2868

Dustin Dela Cruz on LinkedIn

One Westminster Bridge Rd London, SE1 7XW www.a2-studio.com

From: Enquiries\_EastAnglia < Enquiries\_EastAnglia@environment-agency.gov.uk >

Sent: Wednesday, May 8, 2024 10:01 AM

To: Dustin Dela Cruz <dustin.delacruz@a2-studio.com>

Subject: EAn/2024/355289 Response - Ref: 240411/msr05 - Site Information Request - East Claydon,

Buckingham

**Dear Dustin** 

Thank you for your request of 10 April 2024.

We respond to requests under the Freedom of Information Act 2000 and Environmental Information Regulations 2004.

Much of the data that you have requested is available online. We have supplied the links below to help you.

The information specifically requested is any information held by the EA on the following bullet points, either for the site itself or within 500 m of the site boundary:

(information on the distance and direction to each identified feature is also requested)

#### - Background groundwater and surface water quality;

This information can be found publicly at - Open WIMS data

- Groundwater flow direction (for the various geological units) and general hydrogeological site setting / hydrogeological parameters;

Regional Groundwater flow direction and hydrogeological setting can be found here - <u>Viewer for scanned hydrogeology maps of the UK | British Geological Survey (BGS)</u>

Local flow direction and site setting can be determined through borehole logs available from - <u>GeoIndex - British Geological Survey (bgs.ac.uk)</u> we do not hold specific records on this and this is something that can vary locally.

# - Licenced water abstractions (surface and groundwater) and details of the geological unit each abstracts from;

There are no abstraction licenses within 500m of MK18 2LF

## - Groundwater Source Protection Zones (SPZs);

There are no No SPZs within 500m of MK18 2LF. This information can be found publicly at -Magic Map Application (defra.gov.uk)

### - Licenced Discharge Consents;

Licenced Discharge Consents - E CLAYDON 400KV SUBSTATION PRCNF05284 Licenced water abstractions - None

# - Records of any pollution incidents and remediation subsequently undertaken;

Records of any pollution incidents

Apr 19, 2013 SP 74643 26002 - sewage grey water

## - Records of any 'Special Sites' as per Part 2a (EPA 1990);

There are no 'Special Sites' designated under Part 2A of the Environmental Protection Act 1990 in the vicinity of the provided NGR. It is recommended that you contact the local authority who hold a record of contaminated land sites

- Details of any sites under consideration for investigation as a potential 'Special Site' as per Part 2a (EPA 1990);
- Records of current or historical landfill sites or waste sites;

None

## - Details of any lined surface watercourses;

We are not aware of any from our mapping but do not specifically hold this information.

### - Details of any culverted watercourses;

We are not aware of any lengthy culverted watercourses from mapping, given the land use in the area there's likely small culverts present for access etc.

# - Historical land uses (specifically for the site or immediately adjacent to it rather than within 500 m, in this case); and

Agriculture

### - Any ground investigation data for the site or immediately surrounding area.

Any information about non-confidential investigations should be publicly available on the local authority's planning portal.

Please refer to the Open Government Licence available here: <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/">http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/</a> which explains the permitted use of this information.

Please get in touch if you have any further queries or contact us within two months if you would like us to review the information we have sent.

Kind regards,

### **Naomh Campbell**

Customer Service Officer East Anglia

Environment Agency | Iceni House, Cobham Road, Ipswich IP3 9JD

Environment Agency | Bromholme Lane, Brampton, Huntingdon, Cambridgeshire, PE28 4NE

Team Number: 0203 0255472





If you use the Defra **Data Sharing Platform** (DPS) you can use this <u>link</u> to find out about new and updated datasets and much more. Not using DPS yet? **Register for an account** <u>here</u> and you will receive email notifications direct.

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