

GEOSPHERE ENVIRONMENTAL

REPORT NUMBER: 5449,DS/DESK/AT,TP/08-02-21/V2

SITE: Little Court, Haverhill Road, Haverhill, CB9 7UD

DATE: 08/02/2021



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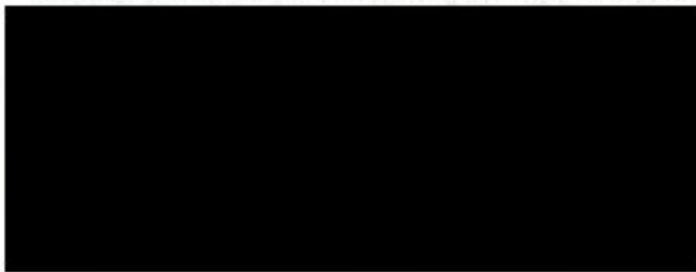
Geosphere Environmental Ltd, Brightwell Barns, Ipswich Road, Brightwell, Suffolk, IP10 0BJ.
T: 01603 298 076 / 01473 353 519. W: www.geosphere-environmental.co.uk

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Prepared By:

Ashleigh Thorneycroft
Geoenvironmental Consultant



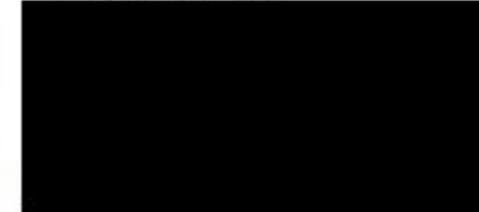
Reviewed By:

Tom Powling
Director



Authorised By:

Paul Davies
Director



VERSION RECORD

Version	Date	Amendments	Author	Admin
V1	02/02/2021	Original Report	AT	CJ
V2	08/02/2021	Amendment to Applicant Name	AT	CJ

EXECUTIVE SUMMARY

Site Location / Description	<p>The site was located at Little Court, Haverhill Road, Haverhill, CB9 7UD situated approximately 2km to the northeast of Haverhill High Street, and may be located by National Grid Reference (NGR) 568550 247000.</p> <p>At the time this report was prepared, the site comprised an equestrian centre, including a manege, stables and livery yard, and several grassed paddocks.</p>
History	<p>The earliest available historical map, dated 1885, indicated the site to comprised undeveloped land within a rural setting. In the 1950s, the site underwent some minor development, comprising 2 building structures and a potential driveway in the west / northwest. The site remained unchanged until sometime between 2006 and 2020, when a building structure was constructed in the northwest and the land appeared was divided into smaller plots / paddock areas.</p> <p>The general surrounding area was indicated to comprise largely undeveloped / rural land use, which it largely remained as throughout the mapping period. The land immediately west of the site underwent minor development in the mid-20th century, in the form of a few building structures. A pond is indicated to have been immediately to the north of the site since the first available map until the present day.</p>
Conceptual Model	<p>The following potential sources of contamination were identified at the site:</p> <ul style="list-style-type: none"> • Made Ground; and • On and offsite tanks.
Conclusions and Recommendations	<p>It is recommended that a preliminary intrusive ground investigation is undertaken at the site.</p> <p>Should Made Ground be encountered to depth, it is recommended that monitoring wells for ground gas / groundwater should be constructed as part of the investigation.</p> <p>This report should be submitted to the Local Authority as part of the planning submission for the site.</p>
<p>This Executive Summary only provides a summary of the site data and its assessment. It does not provide a definitive engineering analysis and is for guidance only. It is recommended that the reader reviews the report in its entirety and any material referenced therein.</p>	

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1. INTRODUCTION

Geosphere Environmental Ltd was commissioned by the Client, CARE (Little Court) Ltd, to undertake a Phase 1 Desk Study and Preliminary Risk Assessment for a proposed residential care development at Little Court, Haverhill Road, Haverhill, CB9 7UD.

It was understood that the proposed development comprised the construction of several residential blocks as part of a specialist dementia care unit.

During the compilation of this report, the Client advised that a section of the site boundary may be extended to the west to incorporate attenuation ponds within the proposed development scheme.

As a result, the Envirocheck data and maps are based on the original site boundary but this Phase 1 Preliminary Risk Assessment has accounted for the inclusion of the additional area. The potential boundary alteration is presented within Drawing 5449,DS/001/Rev0 within Appendix 6 of this report.

The primary objectives of the preliminary risk assessment are to:

- Provide an assessment of environmental sensitivity at the site and the surrounding area in relation to any suspected or known contamination which may significantly affect the site and the proposed development; and
- Indicate whether further works are required, and the nature of the works, to enable a more complete assessment of the site.

These are to be achieved by:

- Undertaking a walkover of the site;
- Researching and assessing the available information regarding the current site status, including recorded geology, hydrogeology and hydrology of the site and surrounding area, as well as the history of the site; and
- Developing a Conceptual Site Model.

2. SITE SETTINGS

2.1 Site Description

The subject site was situated to the northeast of Haverhill in the village of Little Wratting, Suffolk, approximately 2km to the northeast of Haverhill High Street, and may be located by National Grid Reference (NGR) 568550 247000.

A Site Location Plan and Site Plan are included within Appendix 6 as Drawing references 5449,DS/001/Rev0 and 5449,DS/002/Rev0 respectively.

A site walkover survey was undertaken on the 27 January 2021. The site was 'L' shaped and occupied an approximate area of 1 hectare. Topographically the north of the site was generally flat, whilst the south of the site sloped gently towards the south and west. Access was via a gate located in the north of the site, along the southern edge of the A143.

At the time of the walkover survey the northern portion of the site contained an equestrian manege, and was encroached by two building structures and associated car parking area. The northern boundary was heavily vegetated, although an apparent ditch containing water was visible. The largest building was of an inverted 'U' shape, and comprised stables and a livery yard. The smaller of the buildings comprised offices.

An offsite fuel and unbunded tank was identified to the west of the office building. The tank appeared to be relatively new, was raised off the ground by concrete blocks.

A larger storage tank was located in the northwest of the site near to the stable block. The tank was unlabelled, however was considered to be for water storage purposes – there was a blue flexi pipe attached to the tank which was not connected at one end, and these types of pipes are commonly used for water. The tank appeared to be in good condition with no signs of leaks or spills. A manure pile and some silage bales were also situated behind the stables.

The southern portion of the site comprised a number of grassed paddocks. There were a number of trees towards the southern site boundary, including Oak and Hawthorn. The paddocks were separated by a wooden fencing and temporary electrical fencing.

A small mound covered in grass was located in the southeast corner of the site. The contents of the mound could not be identified.

The wider surrounding area comprised a residential dwelling to the west, the A143 road to the north and arable agricultural fields within the wider 500m.

Photographic records are presented in Appendix 7 of this report.

2.2 Geological Setting

Details of the geology underlying the site have been obtained from the British Geological Survey (BGS) digital mapping at a scale of 1:50,000, which is provided within the Envirocheck Report included in Appendix 4.

2.2.1 Superficial Deposits

The geological map indicated the site to be underlain by superficial deposits of the Lowestoft Formation (diamicton).

As the site has been previously developed, the possibility of Made Ground also being present, cannot be discounted.

2.2.2 Bedrock Geology

The geological map indicated bedrock Geology underlying the site comprised Chalk of the Lewes Nodular Chalk Formation and Seaford Chalk Formation (undifferentiated).

2.2.3 Geohazards and Ground Workings

Table 1 below, summarises the factors that may have a potential impact upon the engineering of the proposed development:

Table 1 – Geohazards and Ground Workings				
Potential Hazard	Recorded Risk [m] / [Direction]			Comments
	Onsite	Within 250m	Within 500m	
Non-Coal Mining Areas of Great Britain	Rare	-	-	
Collapsible Ground	Very low	-	-	
Landslide	Very low	-	-	
Running Sand	Very low	-	-	
Shrinking or Swelling Clay	Low	-	-	

2.3 Hydrogeological Setting

2.3.1 Underlying Aquifers

The hydrogeological data provided within the Envirocheck Report indicate the site to be underlain by a Secondary Undifferentiated Aquifer (Lowestoft Formation) underlain by a Principal Aquifer (the Chalk).

The Environment Agency define Principal Aquifers as 'layers of rock or drift deposits that have high intergranular and / or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale'.

Secondary Undifferentiated Aquifers are assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

2.3.2 Groundwater Vulnerability

The Envirocheck Report indicates the combined aquifers to be of medium vulnerability.

The Environment Agency defines areas of medium vulnerability to be areas that offer some groundwater protection. They are likely to be characterised by intermediate leaching soils and/or the presence of intermediate permeability superficial deposits.

Soils of intermediate leaching potential are soils that can possibly transmit a wide range of pollutants, or are soils that can "...possibly transmit non or weakly adsorbed pollutants and liquid discharges but are unlikely to transmit adsorbed pollutants".

The Envirocheck Report also indicates the site to have a soluble rock risk of 'significant risk - problems unlikely'.

2.3.3 Source Protection Zones

The site was located within a 'Zone III' (Total Catchment) groundwater source protection zone i.e. it was within the total area required to support the discharge from a protected groundwater source. The associated Zone 1 SPZ was located approximately 650m east of the site.

There were no groundwater abstraction wells indicated within 1km of the site.

2.4 Hydrological Setting

The nearest surface watercourse or feature was a pond that adjoined the north of the site.

An inland river was indicated 12m to the southeast of the site. There were no surface water abstractions indicated within 1km of the site.

2.5 Radon

The HPA 'Indicative Atlas of Radon' 2007 (ref. **R.1**), indicates the site to lie within an area where there is a probability of <1% of present or future homes being above the action level of 200Bq/m³. As such, the site is not classified as a Radon Affected Area. This is confirmed by the Building Research Establishment, Report 211, 2007, (ref. **R.2**).

2.6 Nitrate Vulnerable Zone

The site was located within an area designated as both a groundwater and surface water nitrate vulnerable zone.

The Nitrates Directive (ref. **R.4**) defines a nitrate vulnerable zone as:

- Surface freshwater which contains or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l;
- Groundwater which contains or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l;
- Natural freshwater lakes or other freshwater bodies, estuaries, coastal waters and marine waters, which are eutrophic or may become so in the near future if protective action is not taken.

3. ENVIRONMENTAL SEARCHES

3.1 Environmental Searches Summary

The environmental searches are detailed fully within the Envirocheck Report presented within Appendix 3. Table 2 shown below, summarises the most relevant findings:

Table 2 - Environmental Searches Summary				
Activity	Distance From The Site			Comments [m]/[direction]
	Onsite	Within 250m	250m to 500m	
1. Incidents and Registers				
Discharge Consents	-	-	5	
2. Flooding				
BGS Groundwater Flooding Susceptibility	Y	-	-	
3. Landfills and Waste Treatment / Disposal Sites				
No relevant records				
4. Contemporary Trade Entries of Concern				
No relevant records				
5. Designed Environmentally Sensitive Sites				
No relevant records				

Where no relevant or significant data records exist for an activity, the activity has been removed from the summary table. All data is included within Appendix 3.

4. SITE HISTORY

4.1 Historical Maps

A review of the history of the site has been conducted based upon the historical maps included within the Envirocheck Report included in Appendix 4.

The relevant changes of the subject site and immediate surrounding area from are detailed in Table 3 below:

Table 3 - Historical Summary		
Date	Potentially Contaminative Land Uses / Significant Changes	
	Onsite [Direction]	Offsite [Distance/Direction]
1885 (1:10,000)	<ul style="list-style-type: none"> The site comprised undeveloped land. A land boundary traversed the north of the site. 	<ul style="list-style-type: none"> The surrounding area comprised rural land use, with occasional isolated farms and properties. A pond adjoined the northern site boundary; 80m/W: Hills Farm; 90m/NE: Hill Farm.
1886 (1:2,500)		
1904 (1:2,500)	<ul style="list-style-type: none"> No significant changes 	<ul style="list-style-type: none"> No significant changes.
1924; 1927-1928 (1:10,000)	<ul style="list-style-type: none"> No significant changes. 	<ul style="list-style-type: none"> No significant changes.
1926 (1:2,500)		
1938-1950 (1:10,000)	<ul style="list-style-type: none"> Possible driveway noted in west of site. 	<ul style="list-style-type: none"> 10m/W: Building structures.
1951 (1:10,000)		
1959-1960 (1:2,500)	<ul style="list-style-type: none"> Structure noted on the western boundary. Far western extent, beyond boundary on plan, now depicted as wooded. 	<ul style="list-style-type: none"> No significant changes.
1960 (1:10,000)		
1967 (1:10,000)	<ul style="list-style-type: none"> No significant changes. 	<ul style="list-style-type: none"> No significant changes.
1971 (1:2,500)	<ul style="list-style-type: none"> Additional structure noted in the west of site. 	<ul style="list-style-type: none"> Development west of the site labelled 'Little Court'.
1972 (1:10,000)		
1981; 1991; 1999 (1:10,000)	<ul style="list-style-type: none"> No significant changes. 	<ul style="list-style-type: none"> No significant changes.

Table 3 - Historical Summary

Date	Potentially Contaminative Land Uses / Significant Changes	
	Onsite [Direction]	Offsite [Distance/Direction]
2006 (1:10,000)	<ul style="list-style-type: none"> No significant changes. 	<ul style="list-style-type: none"> No significant changes.
2020 (1:10,000)	<ul style="list-style-type: none"> Building structure located in northwest of site, extending westwards offsite. 	<ul style="list-style-type: none"> 0m/W: Structure traversed the site boundary.
<p>Notes: It should be noted that the dates of the maps do not always correspond with the time of the surveys.</p>		

Where no significant factors or changes occur between map editions it has been summarised with “No significant changes”.

Please note that the alignment and extent of the detailed site area in early map editions is often misaligned compared to modern mapping due to variation in mapping / digitisation processes; this has been compensated for where possible within the interpretation.

5. CONCEPTUAL MODEL

The risk assessment methodology is based upon current guidelines (ref. **R.5**) and legislation (refs. **R.6** and **R.7**).

The current guidance requires that a conceptual model be formulated, based upon the findings of the research. The conceptual model is limited at this stage to the identification and assessment of potential 'hazards', identified or suspected from the results of the research; the potential 'receptors' that may be affected and the anticipated 'pathways' to those receptors. The findings are summarised in the following subsections.

The guidance proposes a four-stage approach for the assessment of contamination and the associated risks. The four stages are listed below:

- Hazard Identification;
- Hazard Assessment;
- Risk Estimation; and
- Risk Evaluation.

In accordance with the guidance (ref. **R.5**), only the first two stages are addressed in a preliminary risk assessment; should hazards exist which are a potential risk then more intrusive investigation works are recommended.

5.1 Hazard Identification: Onsite

The desk-based research and historical review identified the following potential hazard(s) on the site:

- Made Ground associated with previous development; and
- Tank / storage container in the northwest of site. This is believed to have been used for water storage, however this should be confirmed.

5.2 Hazard Identification: Offsite

The desk-based research and historical review identified the following potential hazards offsite that may impact upon the site:

- Fuel tank (adjacent to office block)

5.3 Hazard Assessment

The preliminary risk assessment has identified two of potential sources of contamination that may pose risk to human health and the Controlled Waters. Potential pollutant linkages that require further consideration are presented in Table 4 shown overleaf:

Table 4 – Conceptual Model

Sources	PATHWAYS:						RECEPTORS:						Risk Rating	Comments	
	Root Uptake	Direct Contact	Ingestion	Respiration	Gas Accumulation	Infiltration	Plants	End Users	Structures (Concrete)	Services/Utilities	Construction Workers	Controlled Waters (CW)			
Made Ground (on and offsite)	U	L	U	U	U	U	N	Mo	Mi	Mi	Mo	Mi	MR	A preliminary intrusive investigation is recommended to further investigate the potential for Made Ground and to assess the quality of the soils at the site. Should Made Ground be encountered to depth, the investigation should include the installation of monitoring wells for subsequent ground gas monitoring.	
Tanks (on and offsite)	U	U	U	U	U	L	N	Mi	Mi	Mi	Mi	Mi	LR	The tank in the northwest of the site is believed to be utilised for water storage. Both this and the nearby offsite tank appeared to be in good condition, and are considered unlikely to present a significant risk to the site. However, the presence / absence of the potential risk should be confirmed by soil sampling in the vicinity of the tanks.	
Legend:- See Comparison of Consequence Against Probability within Appendix 5 for Key to Legend.	Probability:						Consequence (Severity):						Risk Rating:		
	Negligible (N)						Negligible (N)						Very High Risk		VH
	Unlikely (U)						Mild (Mi)						High Risk		HR
	Likely (L)						Moderate (Mo)						Moderate Risk		MR
	Highly Likely (HL)						Severe (S)						Low Risk		LR
												Negligible Risk		NR	

6. CONCLUSIONS AND RECOMMENDATIONS

Based upon the findings of the preliminary risk assessment and site walkover, two potential contaminant sources and pathways to potential receptors have been identified.

It is recommended that a preliminary intrusive ground investigation is undertaken to determine the extent of any potential contamination within the soil strata and if necessary, the groundwater. This should comprise targeted and untargeted sampling as required.

Should Made Ground be encountered to depth, it is recommended that monitoring wells for ground gas / groundwater should be constructed on site as part of the investigation to allow for subsequent monitoring.

It may be financially prudent to undertake a geotechnical investigation of the site at the same time as any environmental investigation.

Any ground investigation should be designed in general accordance with CLR 4 (ref. **R.8**) undertaken in compliance with BS10175 (ref. **R.9**) and BS5930 (ref. **R.10**).

It is recommended that this report be submitted to the Local Authority as part of the planning submission for the site.

APPENDICES

Appendix 1 – Report Limitations and Conditions

General Limitations and Exceptions

This report was prepared solely for our Client for the stated purposes only and is not intended to be relied on by any other party or for any other use. No extended duty of care to any third party is implied or offered.

Geosphere Environmental Ltd does not purport to provide specialist legal advice.

The Executive Summary, Conclusions and Recommendations sections of the report provide an overview and guidance only and should not be specifically relied upon until considered in the context of the whole report.

Interpretations and recommendations contained in the report represent our professional opinions, which were arrived at in accordance with currently accepted industry practices at the time of reporting and based upon current legislation in force at that time.

Environmental and Geotechnical Reporting (including Phase 1, Phase 2 and Site Walkovers) Limitations and Exceptions

The comments given in this report and the options expressed herein, are based upon the readily available information collated for the report and an assessment based upon the current guidance which for Phase 1 / Phase 2 report is primarily the Contaminated Land Research (CLR) Report and notable, CLR report 3, 'Documentary research on industrial sites'.

The report has been prepared in relation to the proposed end-use and should another end-use be intended, reassessment may be required.

No warranty is given as to the possibility of future changes in the condition of the site.

The opinions expressed cannot be absolute, due to the limitation of time and resources imposed by the agreed brief.

With regards to any aspect of land contamination referred to, this is limited to those aspects specifically stated and necessarily qualified. No liability shall be accepted for other aspects which may be the result of gradual or sudden pollution incidents, past or present land uses and the potential for associated contamination migration.

Any Desk Study Report / data has been produced largely from the information purchased from The Landmark Information Group. The information is not necessarily exhaustive and further information relevant to the site may be available from other sources. The information purchased has been assumed to be correct and free from errors. However, there is the possibility that some data may be missing from the report including (but not limited to) unrecorded land uses both onsite and offsite or unrecorded pollution events. No attempt has been made to verify the information.

The accuracy of any map extracts cannot be guaranteed. It is possible that different conditions existed Onsite, between and subsequent to the various map surveys provided.

Any site walkover undertaken is a snapshot of the site recording the visually evident conditions at the time of the walkover in the areas readily accessible. It is possible that after the walkover, the site was altered (for example by fly-tipping or groundworks) or before the walkover, the site conditions changed removing evidence of potentially contaminative features (such as oil tanks removed).

Any intrusive works only cover a tiny proportion of the site. Where exploratory holes are positioned by Geosphere Environmental Limited, they are located to give as good a coverage of the site as possible and to target features / proposed land use where applicable, whilst allowing for areas that cannot be accessed, Client requested locations and other site / time / budget constraints. Whilst assumptions may have been drawn between exploratory holes on the ground conditions and / or extent or otherwise of any contamination, this is for guidance only and no liability can be accepted on its accuracy.

Foundation design is outside of the remit of Geosphere Environmental Limited unless specifically stated and it is recommended that the services of foundation design specialists are sought as required. Any foundation appraisal contained within the report is limited to foundation optioneering.

Any conceptual model is based upon the information available at the time of conducting this assessment and is an interpretive assessment of the conditions at the site. Redevelopment and / or further investigation of the site may reveal additional information and therefore alter the conceptual model and the report conclusions.

Any infiltration testing results are considered to be representative of the ground conditions at the locations tested and at the time of testing. As well as lateral variation in ground conditions, seasonal changes in ground water level may affect the results.

Any post-fieldwork monitoring (including ground gas / groundwater) is a snapshot of the conditions at the time of monitoring.

Appendix 2 – References

- R.1.** Health Protection Agency and British Geological Survey, Report HPA-RPD-033 'Indicative Atlas of Radon in England and Wales', 2007.
- R.2.** BRE Report 211, 'Radon, Guidance on the Protective Measures for New Buildings, 2015.
- R.3.** National House-Building Council, Standards, Chapter 4.2, 2003 'Building Near Trees'.
- R.4.** Nitrates Directive (91/676/EC) 1991.
- R.5.** CLR 11, 'Model procedures for the management of contaminated land: Risk assessment procedure', DoE 2004.
- R.6.** The Environmental Protection Act, Part IIA, Section 78, 1990.
- R.7.** Environment Act 1995, Section 57, DoE 1995.
- R.8.** CLR 4, 'Sampling strategies for contaminated land', DoE 2004.
- R.9.** British Standards Institute: BS 10175 'Code of practice for the investigation of potentially contaminated sites', BSI 2011.
- R.10.** British Standards Institute: BS 5930 'Code of practice for site investigations', 2015.
- R.11.** Reference: Asbestos: The Survey Guide, HSG 264, 2nd Edition, 2012.

Appendix 3 – Envirocheck Data Search Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

272302113_1_1

Customer Reference:

5449,DS (AT)

National Grid Reference:

568550, 247000

Slice:

A

Site Area (Ha):

1.04

Search Buffer (m):

1000

Site Details:

Little Court, Haverhill Road

Little Wratting

HAVERHILL

CB9 7UD

Client Details:

Mrs A Davies

Geosphere Environmental Ltd

Brightwell Barns

Ipswich Road

Brightwell

Suffolk

IP10 0BJ

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Introduction

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

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

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			5	1
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					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2				(*30)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 10	1	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones	pg 10	1		1	1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11		5	6	55

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 19	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 20	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 20	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	pg 22	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 23	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 23	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 24	2			
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: Limited Potential for Groundwater Flooding to Occur	A13SE (NE)	0	1	568552 247000
1	Discharge Consents Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Little Wrattling Ps Haverhill Road, Little Wrattling, Haverhill, Suffolk, Cb9 7ud Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw2nfe02280 Permit Version: 2 Effective Date: 17th September 2020 Issued Date: 17th September 2020 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Stour Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	295	2	568190 246930
1	Discharge Consents Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Little Wrattling Ps Haverhill Road, Little Wrattling, Haverhill, Suffolk, Cb9 7ud Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw2nfe02280 Permit Version: 2 Effective Date: 17th September 2020 Issued Date: 17th September 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Stour Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	295	2	568190 246930
1	Discharge Consents Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Little Wrattling Ps Haverhill Road, Little Wrattling, Haverhill, Suffolk, Cb9 7ud Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Aw2nfe02280 Permit Version: 1 Effective Date: 22nd June 1983 Issued Date: 22nd June 1983 Revocation Date: 16th September 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Stour Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12SE (W)	295	2	568190 246930
2	Discharge Consents Operator: Haverhill Meat Products Ltd Property Type: Undefined Or Other Location: Little Wrattling, Haverhill, Suffolk, Cb9 7ud Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe01959 Permit Version: 1 Effective Date: 29th May 1959 Issued Date: 29th May 1959 Revocation Date: 28th February 1992 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Stour Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Approximate location provided by supplier	A14SW (E)	382	2	569000 247000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Haverhill Meat Products Ltd Property Type: Undefined Or Other Location: Little Wratting, Haverhill, Suffolk, Cb9 7ud Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr2nfe02559 Permit Version: 1 Effective Date: 29th May 1959 Issued Date: 29th May 1959 Revocation Date: 28th February 1992 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Stour Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Approximate location provided by supplier</p>	A14SW (E)	382	2	569000 247000
3	<p>Discharge Consents</p> <p>Operator: Mr & Mrs S Oakley Property Type: Domestic Property (Single) Location: The Oakes Haverhill Road, Little Wratting, Haverhill, Suffolk, Cb9 7ud Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf11024 Permit Version: 1 Effective Date: 26th August 1997 Issued Date: 26th August 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Stour Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	762	2	567840 246550
	<p>Nearest Surface Water Feature</p>	A13NE (N)	0	-	568563 247071
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 106 Location: Borehole At Kedington Suffolk Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kedington - Borehole 3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1116	2	569640 247460
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 106 Location: Borehole At Kedington Suffolk Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kedington - Borehole 3 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1116	2	569640 247460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 105 Location: Borehole At Kedington Suffolk Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kedington - Borehole 3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1116	2	569640 247460
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 104 Location: Borehole At Kedington Suffolk Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kedington - Borehole 3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th November 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1116	2	569640 247460
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 103 Location: Borehole At Kedington Suffolk Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kedington - Borehole 3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1116	2	569640 247460
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 102 Location: Borehole At Kedington Suffolk Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kedington Suffolk - Abstr Pt 3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th July 2007 Permit End Date: 31st March 2010 Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1116	2	569640 247460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 101 Location: Borehole At Kedington Suffolk Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Kedington Suffolk - Abstr Pt 3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th August 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20SW (NE)	1116	2	569640 247460
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*g/008 Permit Version: Not Supplied Location: GREAT WRATTING Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2300 Yearly Rate (m3): 6400000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SW (NE)	1187	2	569205 248095
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 106 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 106 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 106 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 106 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 105 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 105 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 104 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th November 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 104 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th November 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 103 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 103 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 102 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th July 2007 Permit End Date: 31st March 2010 Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Limited Licence Number: 8/36/11/*G/0070 Permit Version: 102 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th July 2007 Permit End Date: 31st March 2010 Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 101 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th August 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 101 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gt Wrattling Suffolk - Abst Pt 2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th August 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SW (NE)	1188	2	569200 248100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 100 Location: Chalk Bore 2 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: Anglian Water Services Ltd Licence Number: 8/36/11/*G/0070 Permit Version: 100 Location: Chalk Bore 1 - Gt Wrattling Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SW (NE)	1188	2	569200 248100
	<p>Water Abstractions</p> <p>Operator: L G Miller Licence Number: 8/36/11/*S/0080 Permit Version: 102 Location: River Stour At Great Wrattling Authority: Environment Agency, Anglian Region Abstraction: Aquaculture: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SE (NE)	1302	2	569400 248100
	<p>Water Abstractions</p> <p>Operator: Mr L G Miller Licence Number: 8/36/11/*S/0080 Permit Version: 103 Location: Trib Of R Stour At Great Wrattling Authority: Environment Agency, Anglian Region Abstraction: Aquaculture: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Lion Meadow Plantation Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24SE (NE)	1302	2	569400 248100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: L G Miller Licence Number: 8/36/11/*S/0080 Permit Version: 101 Location: River Stour At Great Wrattling Authority: Environment Agency, Anglian Region Abstraction: Aquaculture: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24SE (NE)	1302	2	569400 248100
	<p>Water Abstractions</p> <p>Operator: R S Kiddy Licence Number: 8/36/11/*G/0033 Permit Version: 100 Location: Wash Farm, Lt. Wrattling. Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st August 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A20NW (NE)	1545	2	569900 247900
	<p>Water Abstractions</p> <p>Operator: Midanglia Community Health Licence Number: 8/36/11/cg/901 Permit Version: Not Supplied Location: Risbridge Hospital Authority: Environment Agency, Anglian Region Abstraction: Private Water Supply (Crown Property / Government Departments) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A15SE (E)	1581	2	570200 247000
	<p>Water Abstractions</p> <p>Operator: R.A.Vestey 1940 Settlement, Licence Number: 8/36/11/*I/028 Permit Version: Not Supplied Location: Hales Barn Farm, HAVERHILL Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1810	2	566800 246300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13SE (NE)	0	3	568552 247000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13SE (N)	0	3	568552 247000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13SE (NE)	0	3	568552 247000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (NE)	0	3	568552 247000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (NE)	0	3	568552 247000
4	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SE (NE)	0	2	568552 247000
5	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (E)	275	2	568879 247076
6	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A14NE (E)	648	2	569253 247115
	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				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 234.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SE (SE)	12	4	568620 246966
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 349.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SW (SW)	104	4	568412 246875
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13NE (NE)	215	4	568766 247204
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SE (S)	234	4	568639 246732
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 310.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A13SE (S)	239	4	568640 246727
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 406.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	337	4	568153 246895
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18SW (N)	338	4	568509 247407
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8NW (S)	412	4	568398 246526
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 257.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8NW (S)	418	4	568398 246521

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18SW (N)	460	4	568490 247528
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 308.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18SW (N)	464	4	568496 247533
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	538	4	568176 246497
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 216.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	541	4	568176 246494
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	579	4	567923 246817
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	579	4	567923 246817
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SW (NE)	583	4	568971 247521
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SW (NE)	583	4	568971 247521
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SW (NE)	585	4	568964 247530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 294.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	585	4	567935 246762
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SW (NE)	607	4	569057 247470
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SW (NE)	609	4	569066 247460
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SW (NE)	614	4	569072 247461
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	625	4	567885 246782
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 231.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SW (NE)	637	4	569163 247360
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	637	4	567876 246772
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 239.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	675	4	567934 246562
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NE (SW)	675	4	567934 246562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 238.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A7NE (SW)	677	4	567932 246561
35	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 48.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A18NE (N)	722	4	568645 247799
36	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 315.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A18NW (NW)	725	4	568234 247723
37	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 230.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A14NE (E)	728	4	569314 247198
38	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A7SE (SW)	728	4	568170 246278
39	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 228.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A18NW (N)	734	4	568457 247801
40	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 290.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A7SE (SW)	734	4	568172 246269
41	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 134.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A17NE (NW)	737	4	568142 247689
42	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A18NW (N)	748	4	568430 247809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 391.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12NW (W)	768	4	567791 247302
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18NE (N)	770	4	568653 247847
45	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: Stour Anglian Primacy: 1	A17NE (NW)	813	4	568008 247685
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8SE (S)	818	4	568839 246179
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SE (NE)	826	4	569238 247593
48	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: Stour Anglian Primacy: 1	A19SE (NE)	840	4	569247 247604
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 2	A19SE (NE)	841	4	569381 247368
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 260.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8SW (S)	844	4	568378 246090
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8SW (S)	844	4	568378 246090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7SE (SW)	852	4	568069 246192
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A19SE (NE)	865	4	569387 247416
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18NE (N)	867	4	568804 247920
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8SE (S)	869	4	568817 246114
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 384.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A18NE (N)	872	4	568813 247923
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8SE (S)	876	4	568814 246106
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NW (SW)	879	4	567740 246489
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7NW (SW)	899	4	567723 246479
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A8SE (S)	929	4	568599 246001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 152.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A8SE (S)	931	4	568600 245999
62	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 175.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A12SW (W)	935	4	567566 246782
63	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A19SE (E)	940	4	569494 247342
64	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 174.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A19SE (NE)	941	4	569463 247434
65	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A12NW (W)	943	4	567540 247003
66	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 172.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A11SE (W)	948	4	567535 246996
67	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 106.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A8SE (S)	950	4	568770 246013
68	<p>OS Water Network Lines</p> <p>Watercourse Form: Lake Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A12SW (W)	952	4	567556 246745
69	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 179.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1</p>	A19SE (E)	953	4	569504 247350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 592.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7SE (SW)	968	4	568021 246086
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A17SW (W)	991	4	567587 247394
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A23SW (N)	997	4	568247 248018

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage				
	Name: Suffolk County Council - Has supplied landfill data		0	5	568552 247000
	Local Authority Landfill Coverage				
	Name: St Edmundsbury Borough Council - Has supplied landfill data		0	6	568552 247000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13SE (NE)	0	1	568552 247000
	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: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SE (NE)	0	1	568552 247000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SW (NE)	536	1	569006 247419
	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: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SW (NE)	650	1	569172 247372
	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: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SW (NE)	674	1	569019 247600
	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: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	700	1	569278 247224
	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: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	709	1	569278 246717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: <1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A14SE (E)	780	1	569344 246692
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: <1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A9NE (SE)	834	1	569330 246544
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: <1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A14SE (E)	837	1	569454 246915
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: <1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel Concentration: 30 - 45 mg/kg</p>	A19SE (NE)	842	1	569377 247380
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: <1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A9NE (SE)	907	1	569447 246608
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: <1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A19SE (NE)	938	1	569336 247650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (E)	948	1	569489 247382
	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: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	965	1	569536 246679
	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: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (N)	975	1	568952 247985
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SW (SE)	996	1	569123 246109
	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 Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000
	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	A13SE (NE)	0	1	568552 247000
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	568552 247000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Nitrate Vulnerable Zones Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13SE (NE)	0	3	568552 247000
74	Nitrate Vulnerable Zones Name: Lower Stour Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (NE)	0	3	568552 247000

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Braintree District Council - Environmental Health Department	January 2020	Annual Rolling Update
Environment Agency - Head Office	June 2020	Annually
St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services	March 2014	Annual Rolling Update
West Suffolk Council	March 2014	Annual Rolling Update
South Cambridgeshire District Council	October 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	October 2020	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - Anglian Region	October 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Braintree District Council - Environmental Health Department	August 2014	Variable
St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services	August 2015	Variable
West Suffolk Council	August 2015	Variable
South Cambridgeshire District Council - Environmental Health Department	February 2013	Variable
Local Authority Pollution Prevention and Controls		
Braintree District Council - Environmental Health Department	August 2014	Not Applicable
St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services	August 2015	Annual Rolling Update
West Suffolk Council	August 2015	Annual Rolling Update
South Cambridgeshire District Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Braintree District Council - Environmental Health Department	August 2014	Variable
St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services	August 2015	Variable
South Cambridgeshire District Council - Environmental Health Department	February 2013	Variable
Nearest Surface Water Feature		
Ordnance Survey	October 2020	
Pollution Incidents to Controlled Waters		
Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Environment Agency - Anglian Region	June 2016	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Central Area	October 2020	Quarterly
Environment Agency - Anglian Region - Eastern Area	October 2020	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	October 2020	Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	September 2020	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	September 2020	Quarterly
Flood Defences Environment Agency - Head Office	September 2020	Quarterly
OS Water Network Lines Ordnance Survey	September 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually


Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	October 2020 October 2020	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	October 2020 October 2020	Quarterly Quarterly
Local Authority Landfill Coverage Braintree District Council Cambridgeshire County Council Essex County Council South Cambridgeshire District Council St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services Suffolk County Council West Suffolk Council	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites South Cambridgeshire District Council West Suffolk Council Braintree District Council Cambridgeshire County Council St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services Suffolk County Council Essex County Council	April 2003 April 2006 May 2000 May 2000 May 2000 May 2000 May 2000 November 2004	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Suffolk County Council - Environment and Transport Braintree District Council Cambridgeshire County Council Essex County Council South Cambridgeshire District Council St Edmundsbury Borough Council (now part of West Suffolk Council) - Planning Department West Suffolk Council	February 2006 February 2016 February 2016 February 2016 February 2016 June 2016 June 2016	Annual Rolling Update Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Suffolk County Council - Environment and Transport Braintree District Council Cambridgeshire County Council Essex County Council South Cambridgeshire District Council St Edmundsbury Borough Council (now part of West Suffolk Council) - Planning Department West Suffolk Council	February 2006 February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Annual Rolling Update Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	January 2021	
Points of Interest - Commercial Services PointX	December 2020	Quarterly
Points of Interest - Education and Health PointX	December 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2020	Quarterly
Points of Interest - Public Infrastructure PointX	December 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2020	Quarterly
Underground Electrical Cables National Grid	August 2020	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2020	Bi-Annually
Areas of Adopted Green Belt Braintree District Council South Cambridgeshire District Council St Edmundsbury Borough Council (now part of West Suffolk Council) West Suffolk Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
Areas of Unadopted Green Belt Braintree District Council South Cambridgeshire District Council St Edmundsbury Borough Council (now part of West Suffolk Council) West Suffolk Council	June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2020	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	May 2020	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	September 2020	Bi-Annually

A selection of organisations who provide data within this report


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

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	Suffolk County Council St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
6	St Edmundsbury Borough Council (now part of West Suffolk Council) - Environmental Health & Housing Services West Suffolk House, Western Way, Bury St Edmunds, Suffolk, IP33 3YU	Telephone: 01284 757042 Fax: 01284 757378 Website: www.stedmundsbury.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.

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	T1T2	River Terrace Deposits, 1 to 2	Sand and Gravel	Not Supplied - Holocene
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	LOFT	Lowestoft Formation	Diamicton	Not Supplied - Anglian
	LOFT	Lowestoft Formation	Sand and Gravel	Not Supplied - Anglian
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	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
	LESE	Lewes Nodular Chalk Formation and Seaford Chalk Formation (Undifferentiated)	Chalk	Not Supplied - Turonian
	LCKK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation and Culver Chalk Formation (Undifferentiated)	Chalk	Not Supplied - Turonian

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Geology 1:50,000 Maps

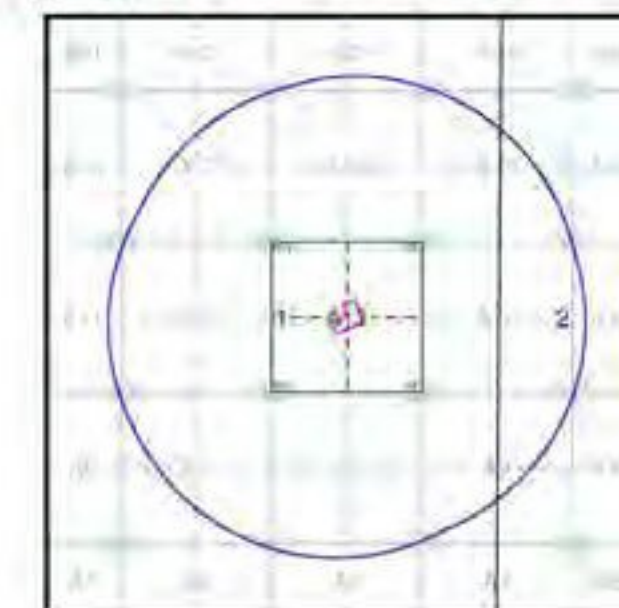
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	2	Map ID:	1
Map Sheet No:	206	Map Sheet No:	205
Map Name:	Sudbury	Map Name:	Saffron Walden
Map Date:	1991	Map Date:	2002
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Supplied	Faults:	Not Supplied
Landslip:	Available	Landslip:	Not Available
Rock Segments:	Not Supplied	Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

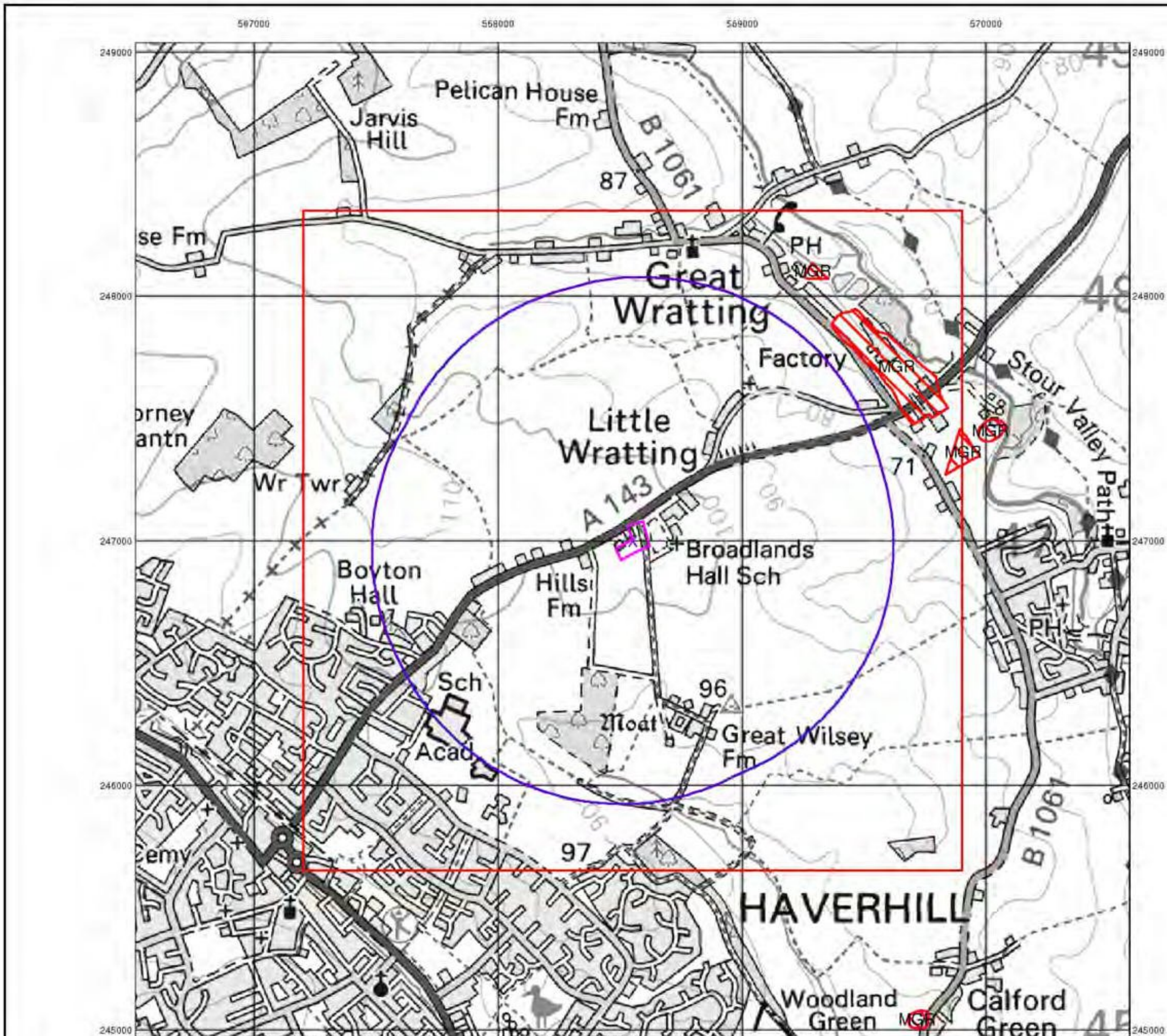
Order Number:	272302113_1_1
Customer Reference:	5449_DS (AT)
National Grid Reference:	568550, 247000
Slice:	A
Site Area (Ha):	1.04
Search Buffer (m):	1000

Site Details:

Little Court, Haverhill Road, Little Wratting, HAVERHILL, CB9 7UD

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INFORMATION GROUP

Tel: 0844 644 9052
Fax: 0844 644 9051
Web: www.envirocheck.co.uk



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Artificial Ground and Landslip

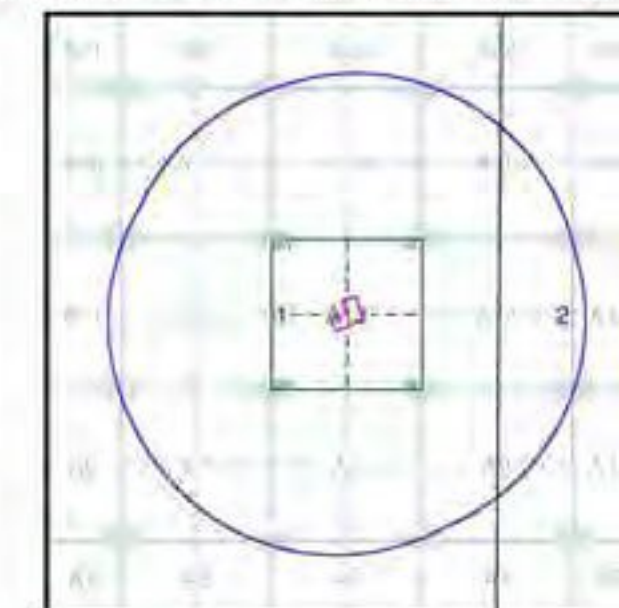
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



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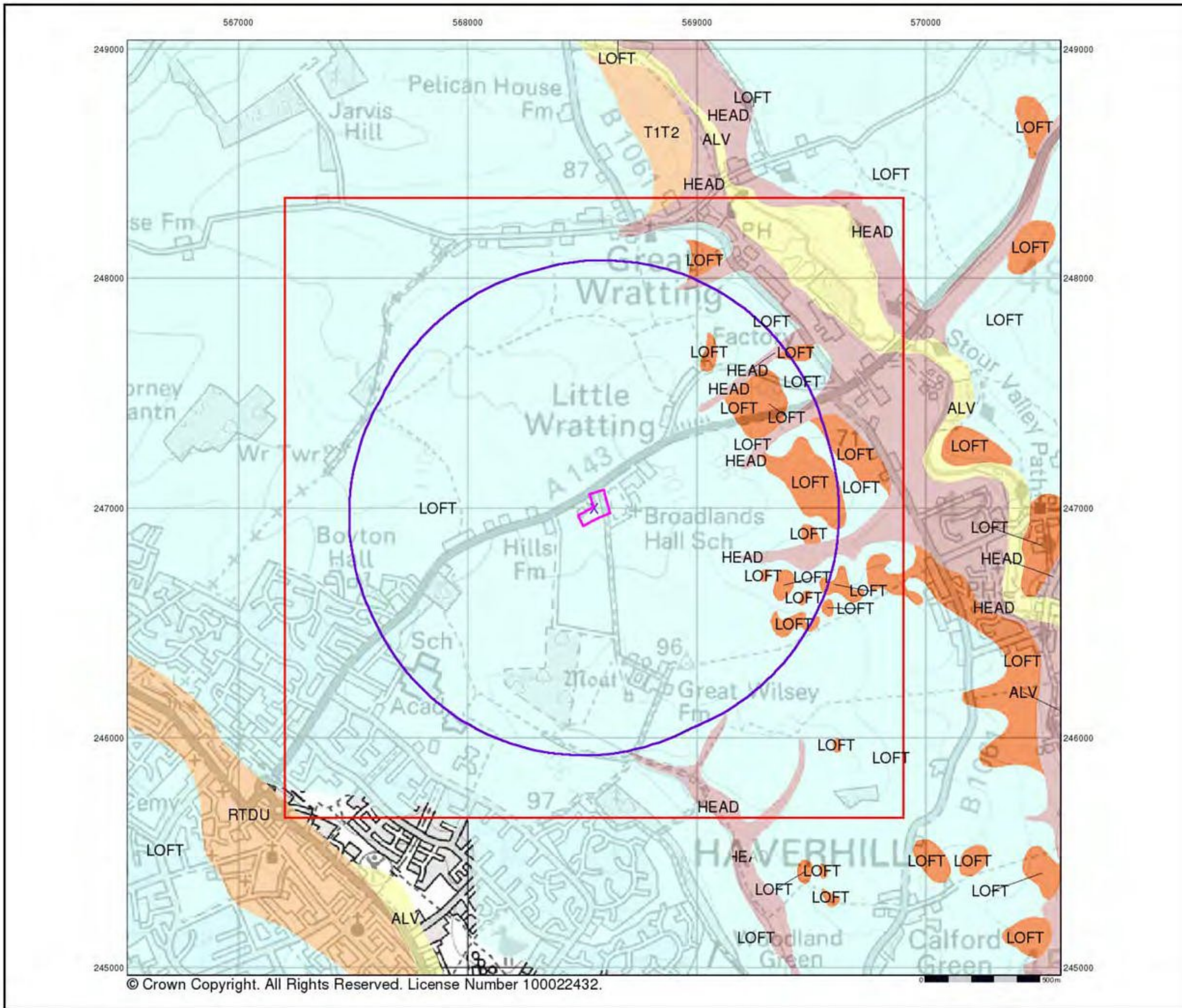
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Customer Reference:	5449_DS (AT)
National Grid Reference:	568550, 247000
Slice:	A
Site Area (Ha):	1.04
Search Buffer (m):	1000

Site Details:

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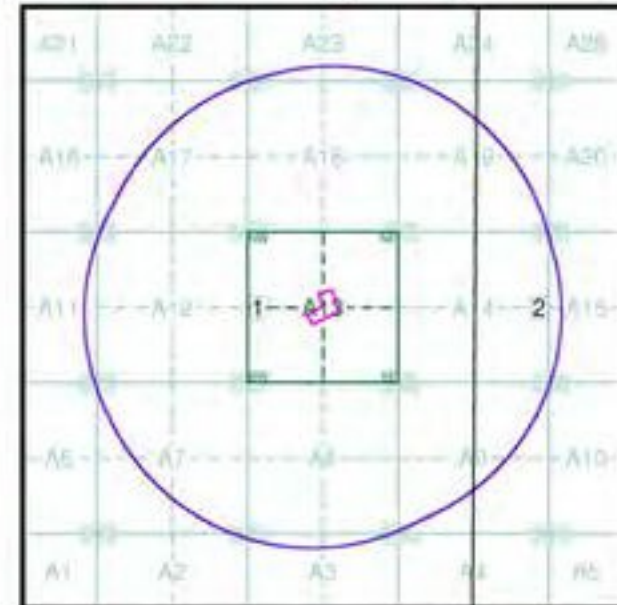
Superficial Geology

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



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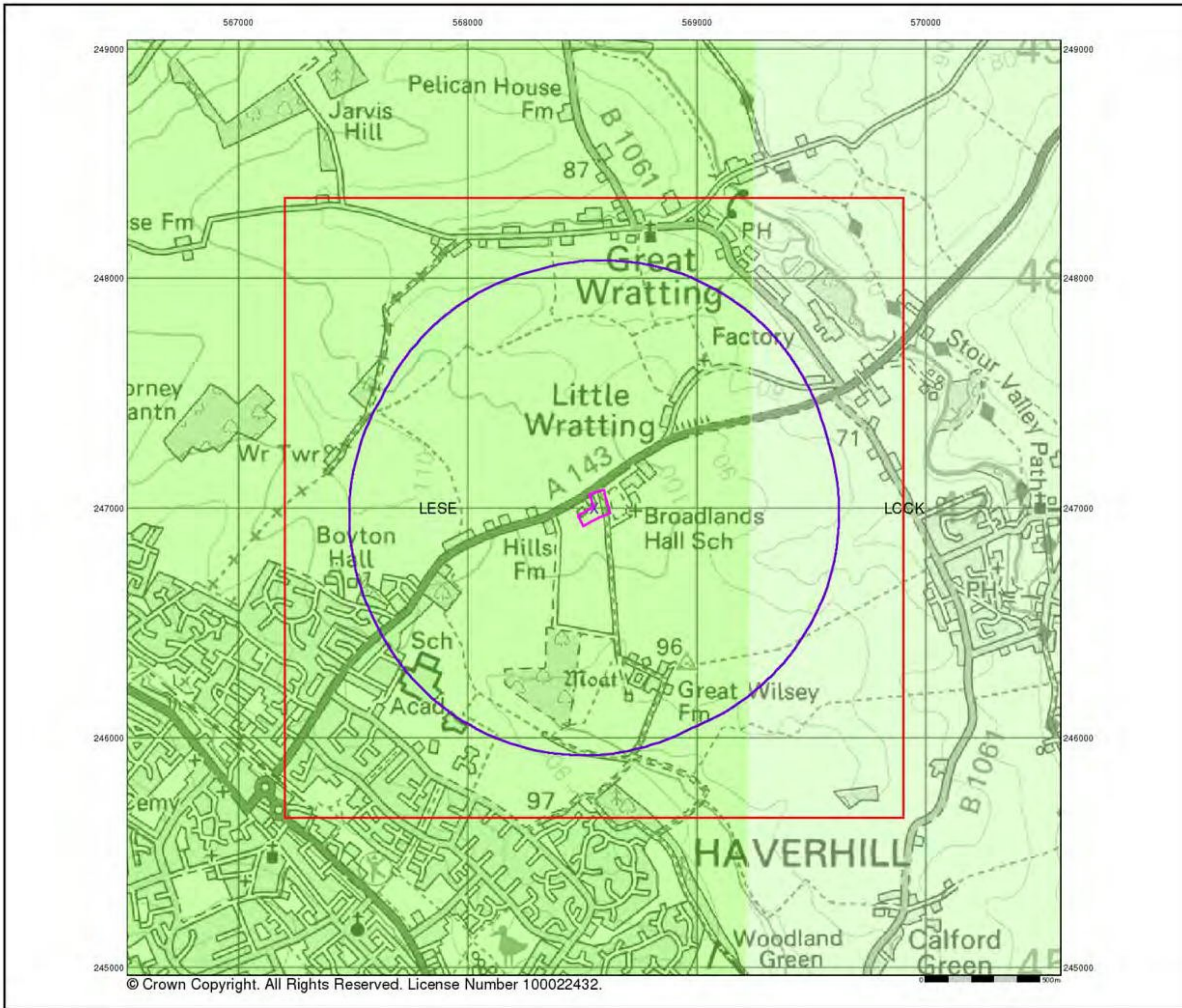
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National Grid Reference:	568550, 247000
Slice:	A
Site Area (Ha):	1.04
Search Buffer (m):	1000

Site Details:

Little Court, Haverhill Road, Little Wratting, HAVERHILL, CB9 7UD

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Bedrock and Faults

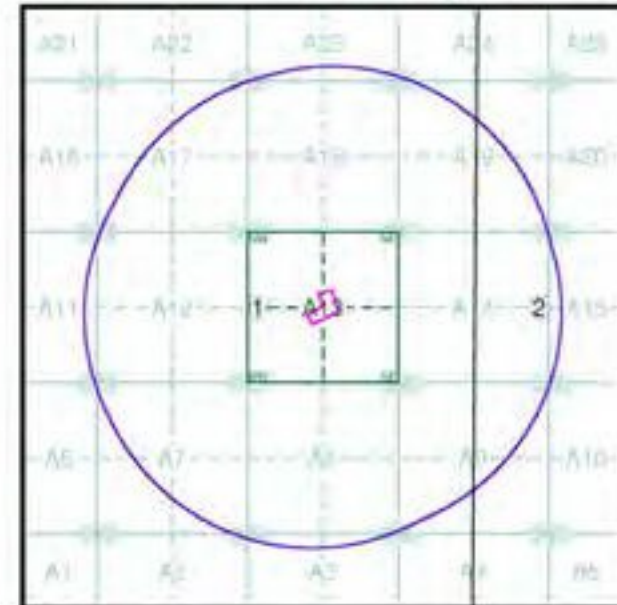
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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:

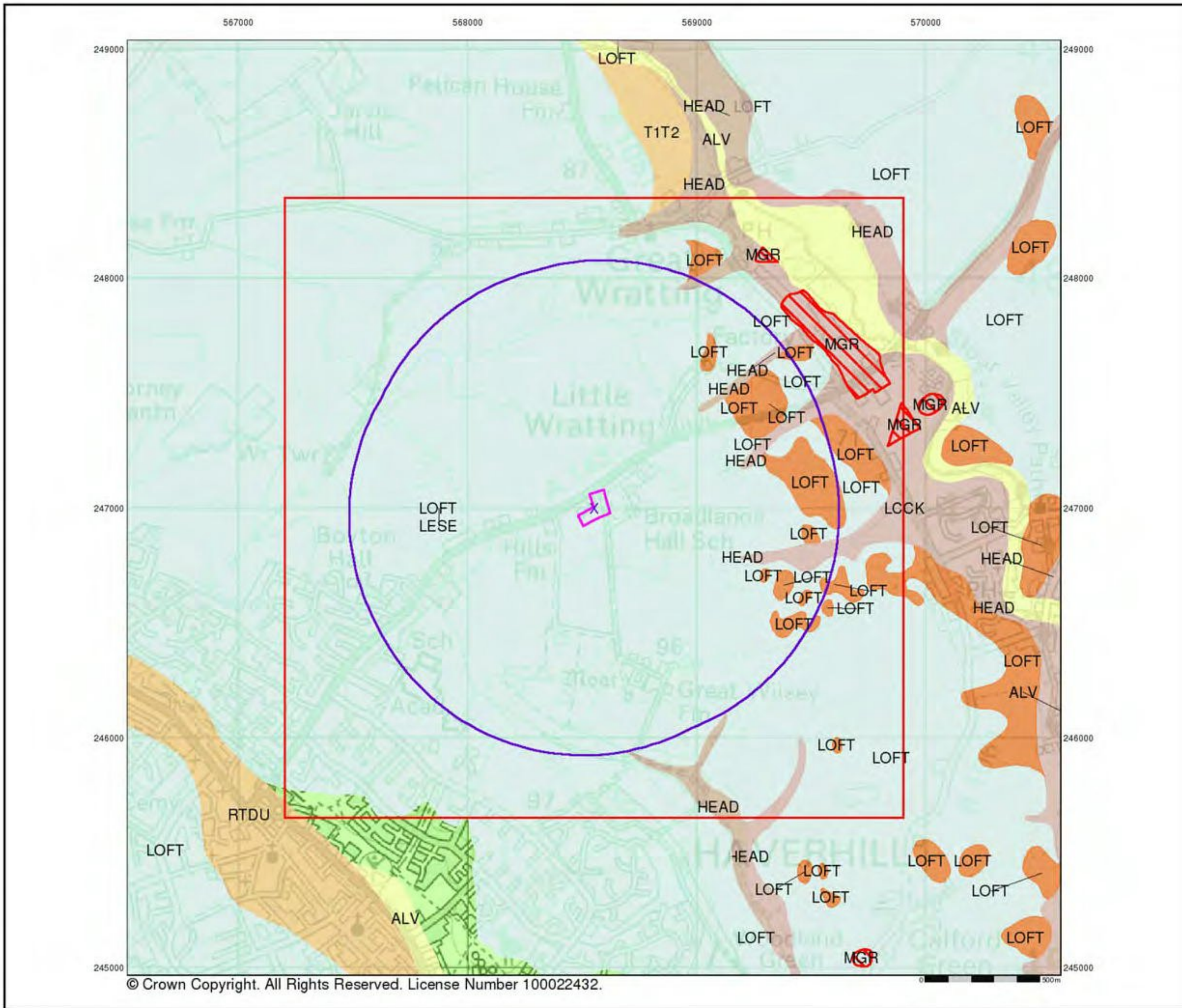
Order Number:	272302113_1_1
Customer Reference:	5449_DS (AT)
National Grid Reference:	568550, 247000
Slice:	A
Site Area (Ha):	1.04
Search Buffer (m):	1000

Site Details:

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Combined Surface Geology

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

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

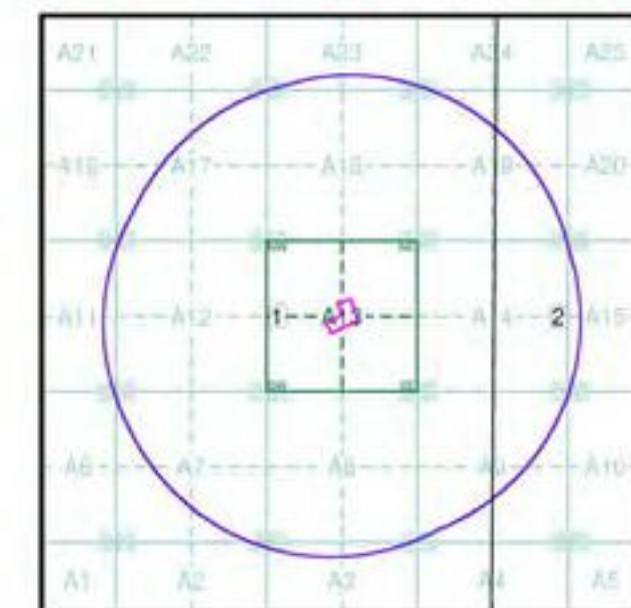
Additional Information

More information on 1:50,000 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 A



Order Details:

Order Number:	272302113_1_1
Customer Reference:	5449_DS (AT)
National Grid Reference:	568550, 247000
Slice:	A
Site Area (Ha):	1.04
Search Buffer (m):	1000

Site Details:

Little Court, Haverhill Road, Little Wrating, HAVERHILL, CB9 7UD

Landmark
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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.

Slice

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.

Segment

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

Mrs A Davies, Geosphere Environmental Ltd, Brightwell Barns, Ipswich Road, Brightwell, Suffolk, IP10 0BJ

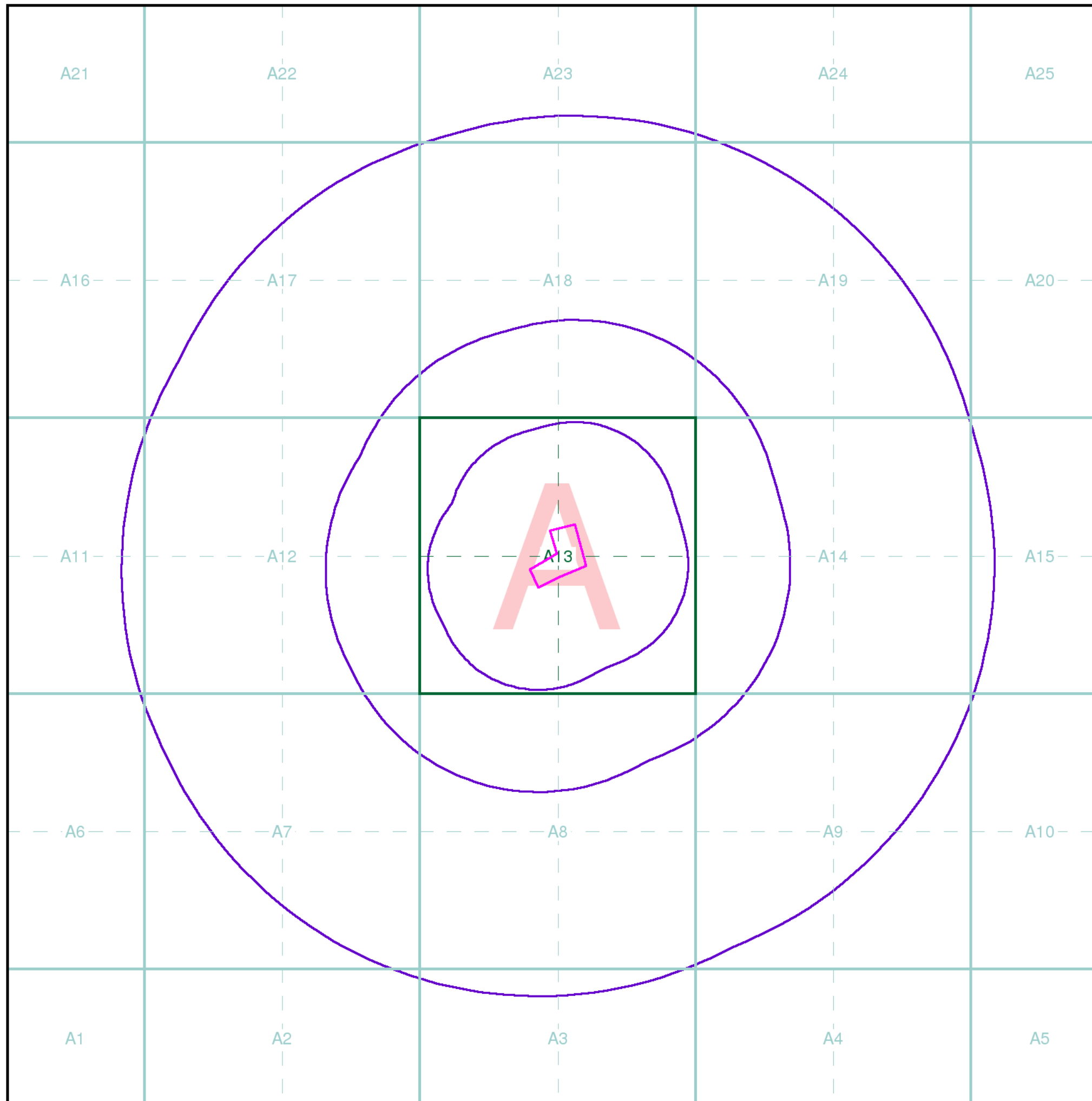
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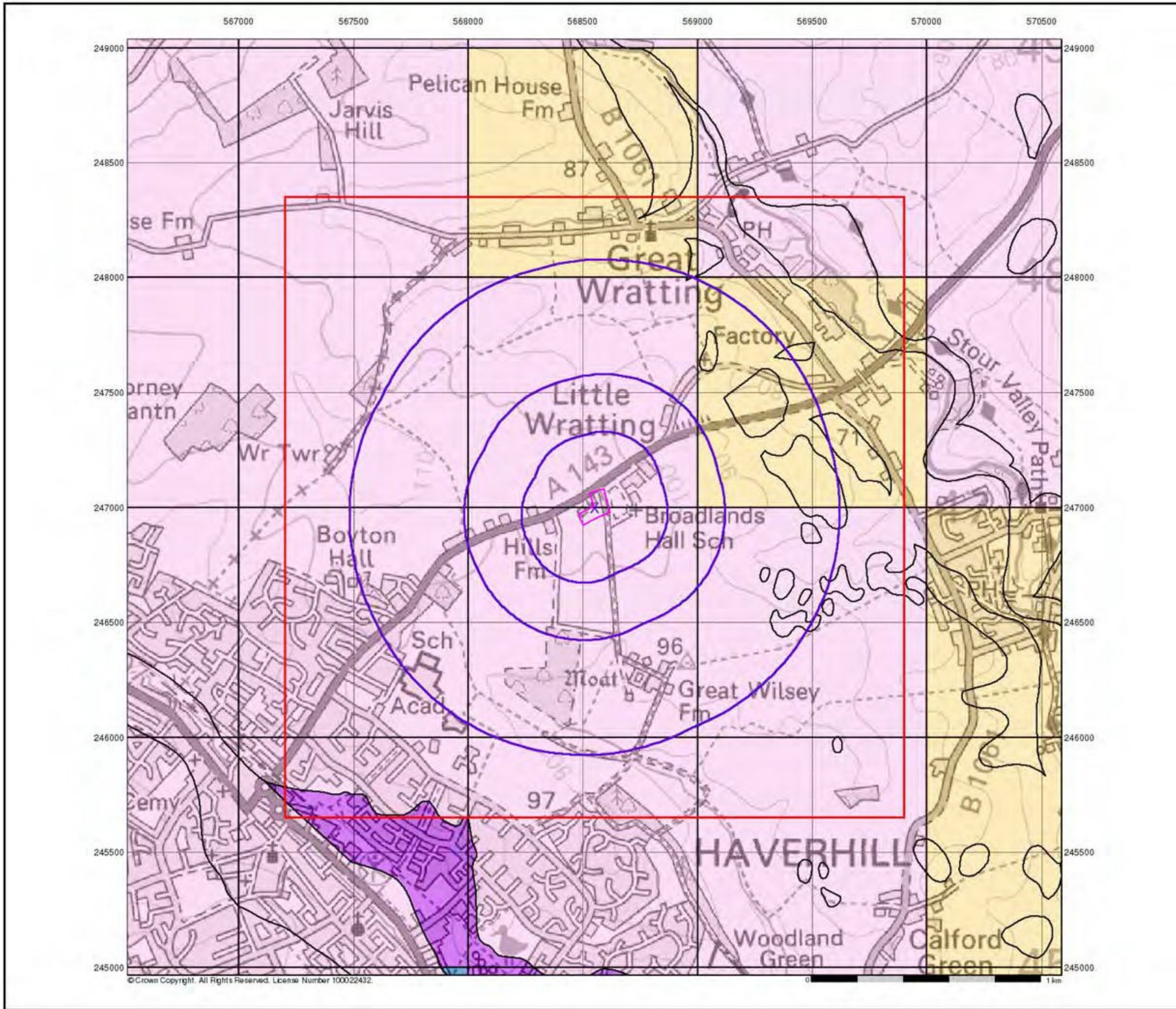
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Customer Ref: 5449_DS (AT)
National Grid Reference: 568560, 247000
Site Area (Ha): 1.04
Search Buffer (m): 1000

Site Details

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Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>





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Groundwater Vulnerability

General

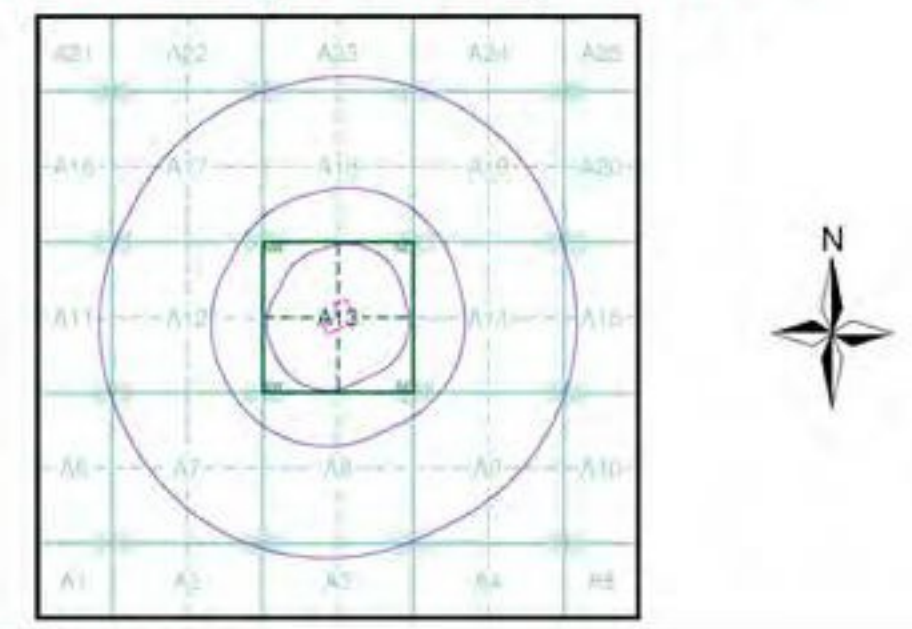
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- | Bedrock Aquifers | Superficial Aquifers |
|---|---|
| High Vulnerability, Principal Aquifer | High Vulnerability, Principal Aquifer |
| High Vulnerability, Secondary Aquifer | High Vulnerability, Secondary Aquifer |
| Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer |
| Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer |
| Low Vulnerability, Principal Aquifer | Low Vulnerability, Principal Aquifer |
| Low Vulnerability, Secondary Aquifer | Low Vulnerability, Secondary Aquifer |

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

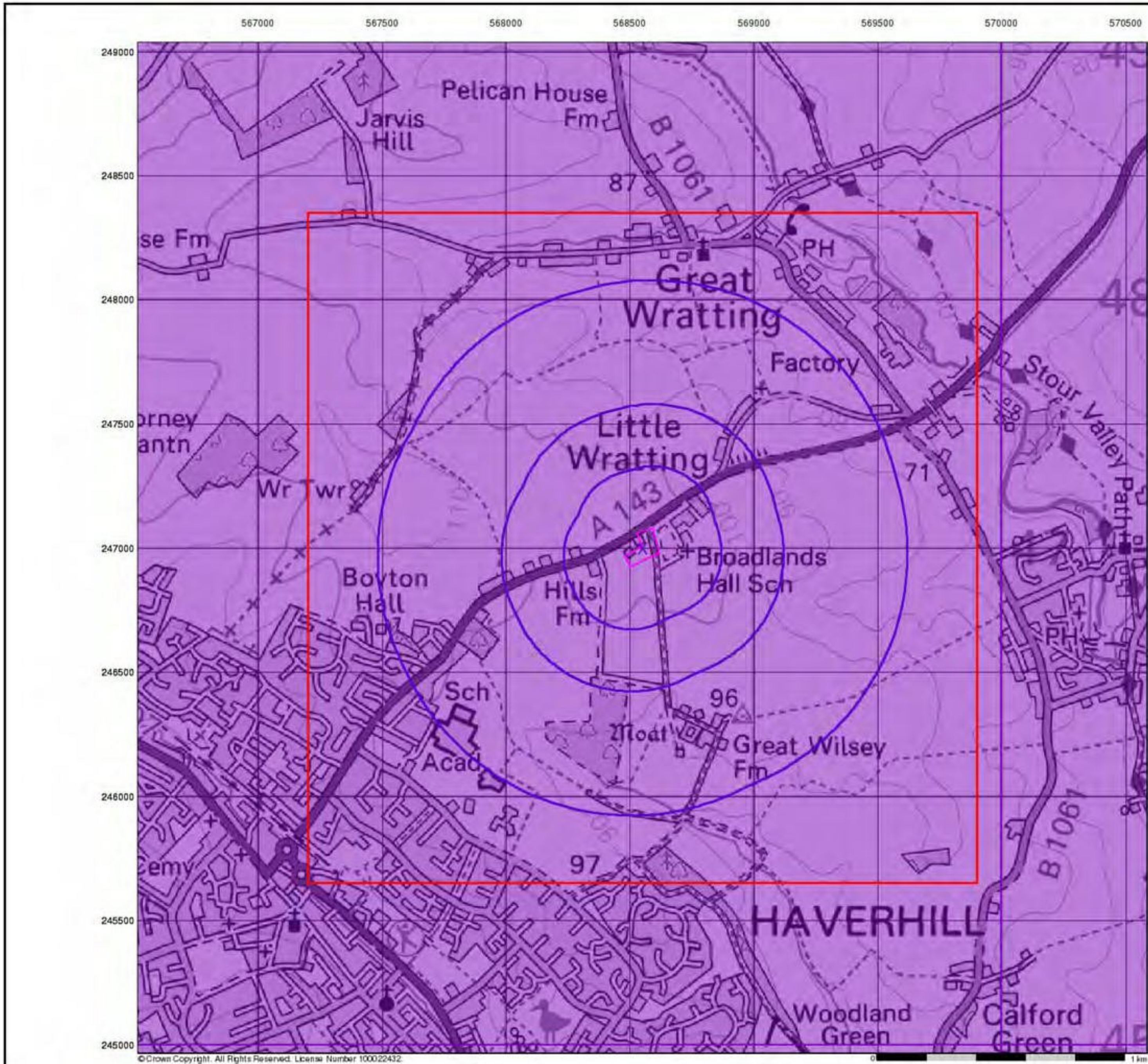
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 Customer Ref: 5449_DS (AT)
 National Grid Reference: 568550, 247000
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

Little Court, Haverhill Road, Little Wrattling, HAVERHILL, CB9 7UD

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Tel: 0844 844 9962
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 Web: www.envirocheck.co.uk



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Bedrock Aquifer Designation

General

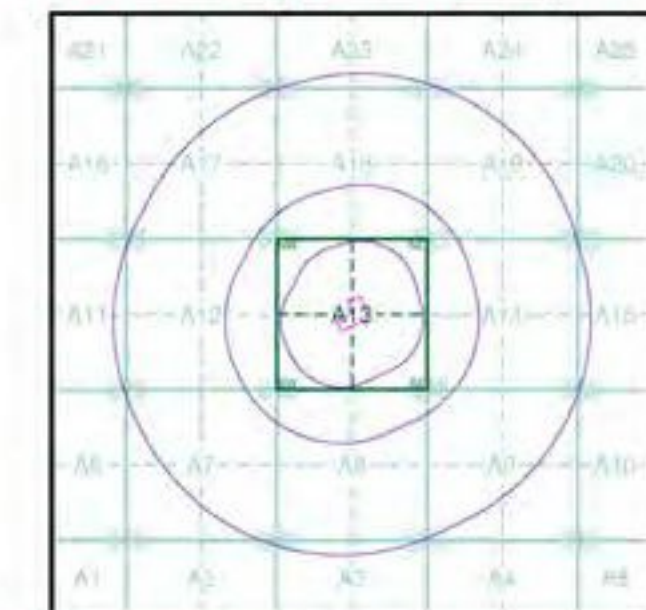
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

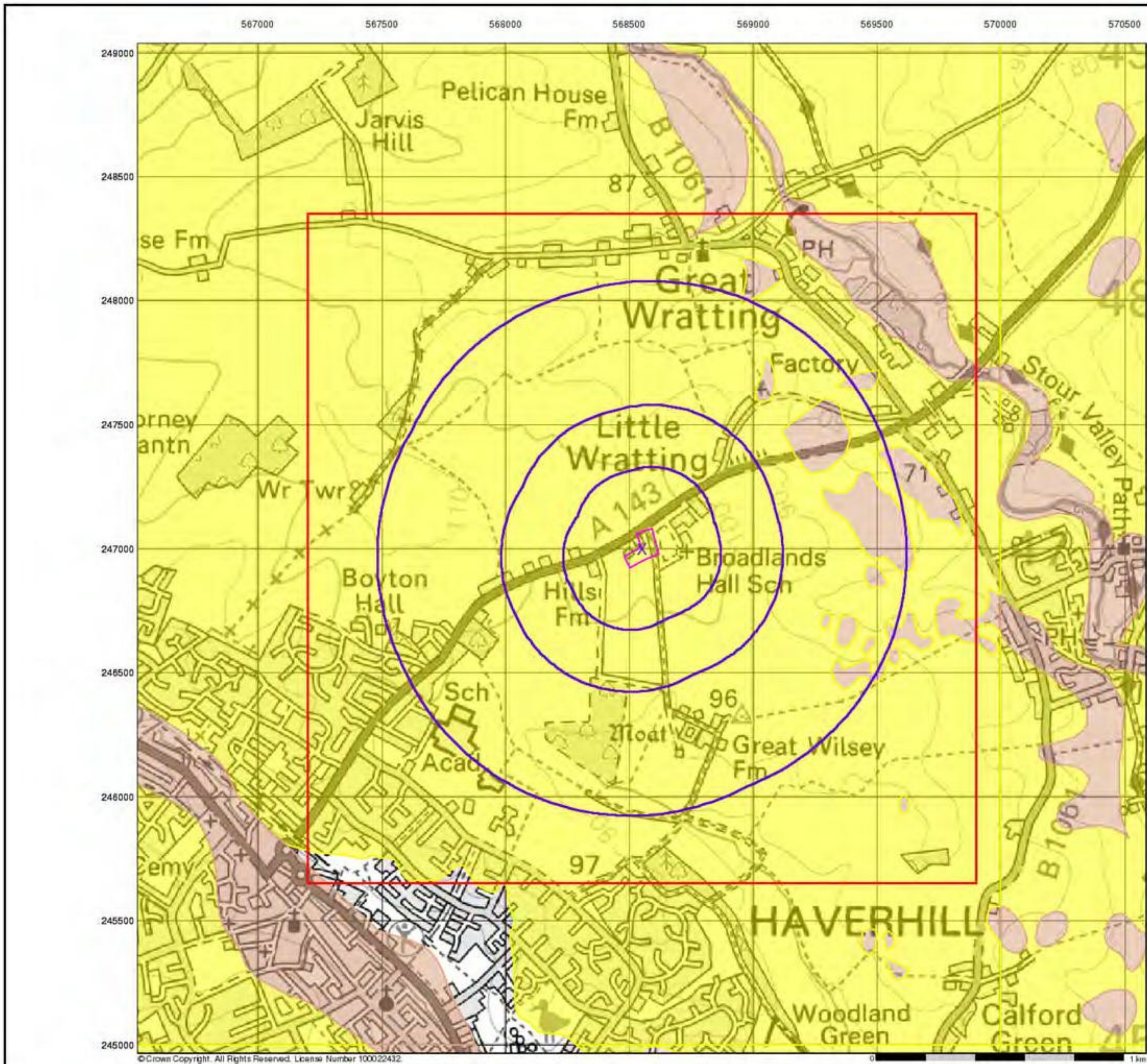
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 Customer Ref: 5449_DS (AT)
 National Grid Reference: 568550, 247000
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

Little Court, Haverhill Road, Little Wratting, HAVERHILL, CB9 7UD

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 INFORMATION GROUP

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Superficial Aquifer Designation

General

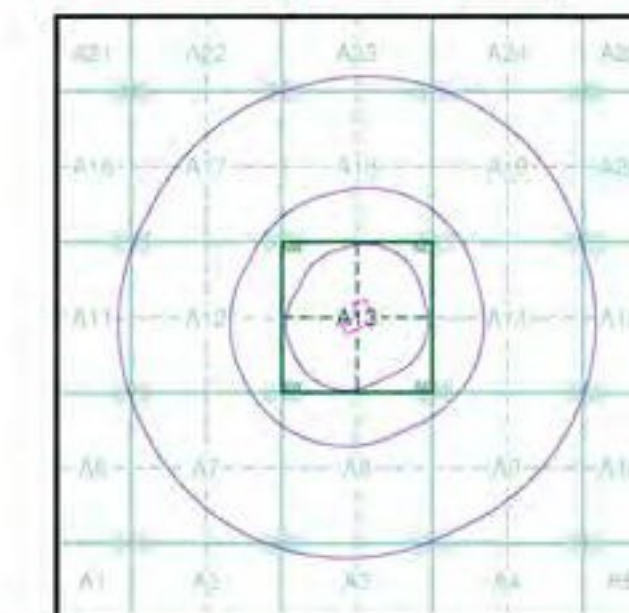
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

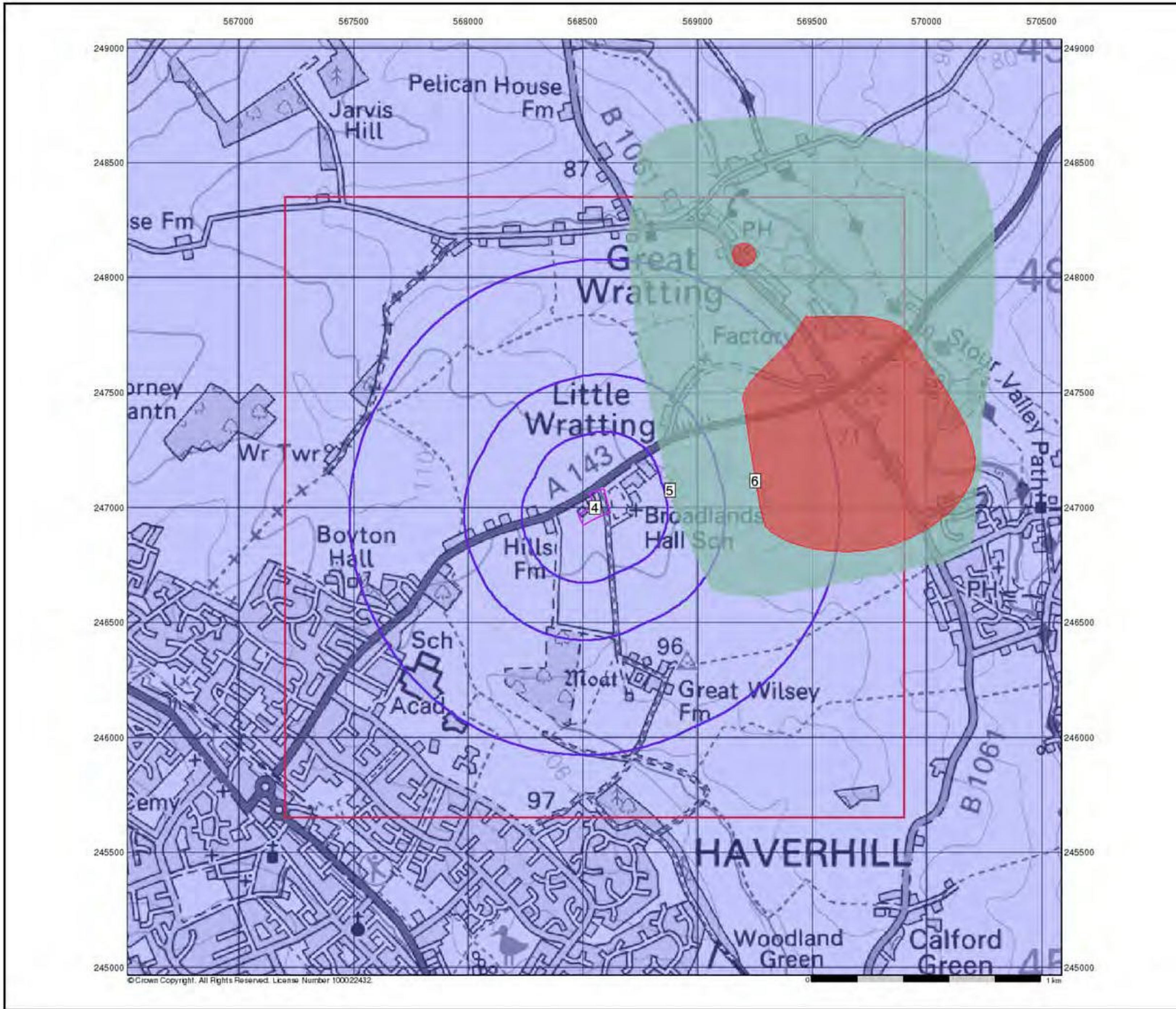
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Customer Ref:	5449_DS (AT)
National Grid Reference:	568550, 247000
Slice:	A
Site Area (Ha):	1.04
Search Buffer (m):	1000

Site Details

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



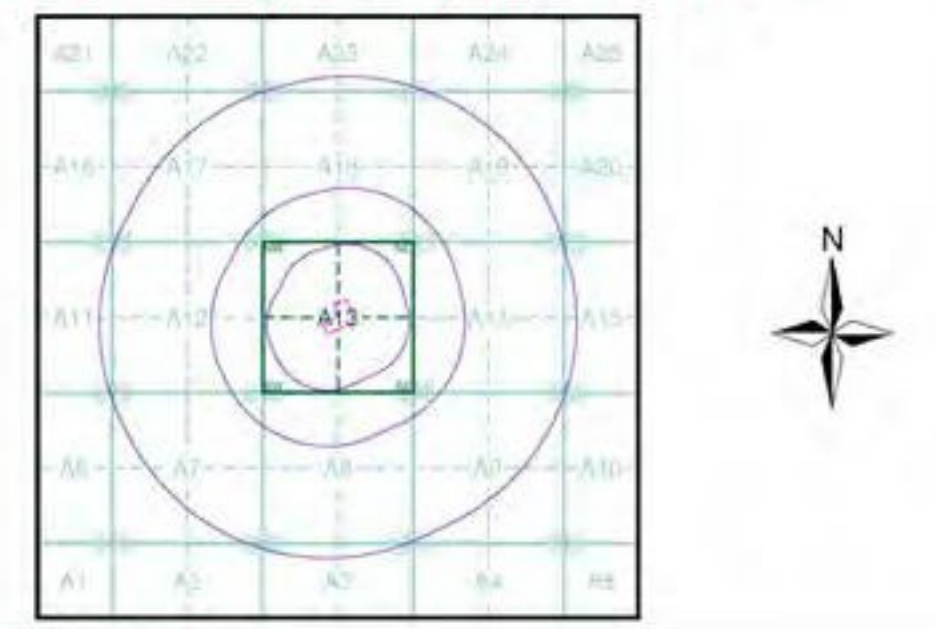
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Source Protection Zones

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Agency and Hydrological**
- Inner zone (Zone 1)
 - Inner zone - subsurface activity only (Zone 1c)
 - Outer zone (Zone 2)
 - Outer zone - subsurface activity only (Zone 2c)
 - Total catchment (Zone 3)
 - Total catchment - subsurface activity only (Zone 3c)
 - Special interest (Zone 4)

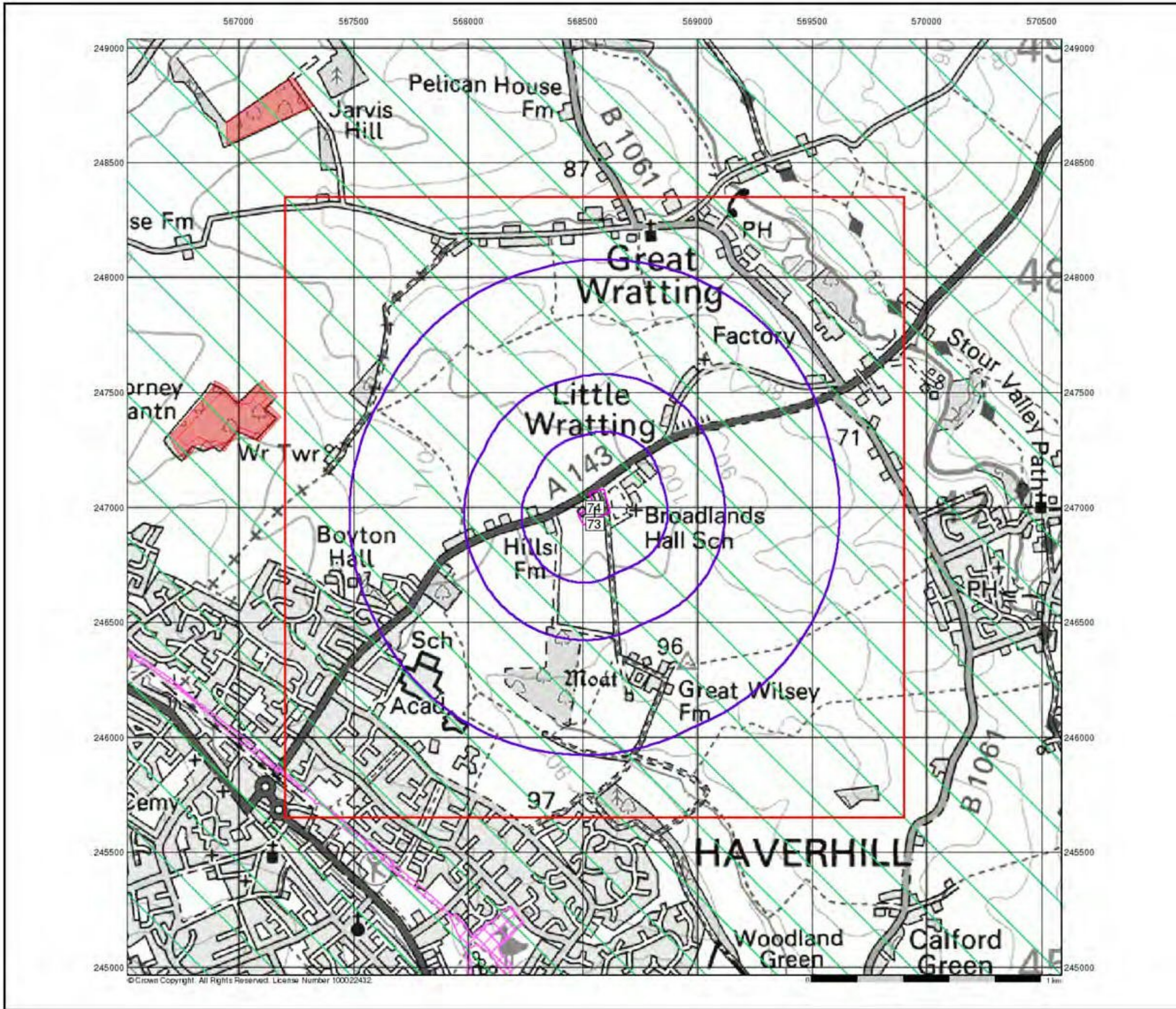
Site Sensitivity Context Map - Slice A



Order Details

Order Number:	272302113_1_1
Customer Ref:	5449_DS (AT)
National Grid Reference:	568550, 247000
Slice:	A
Site Area (Ha):	1.04
Search Buffer (m):	1000

Site Details
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Sensitive Land Uses

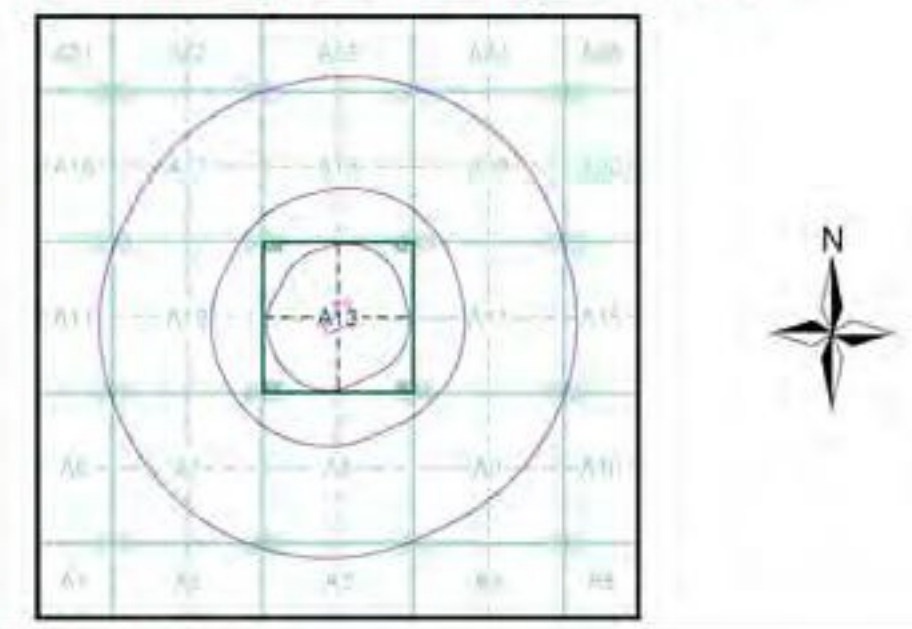
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

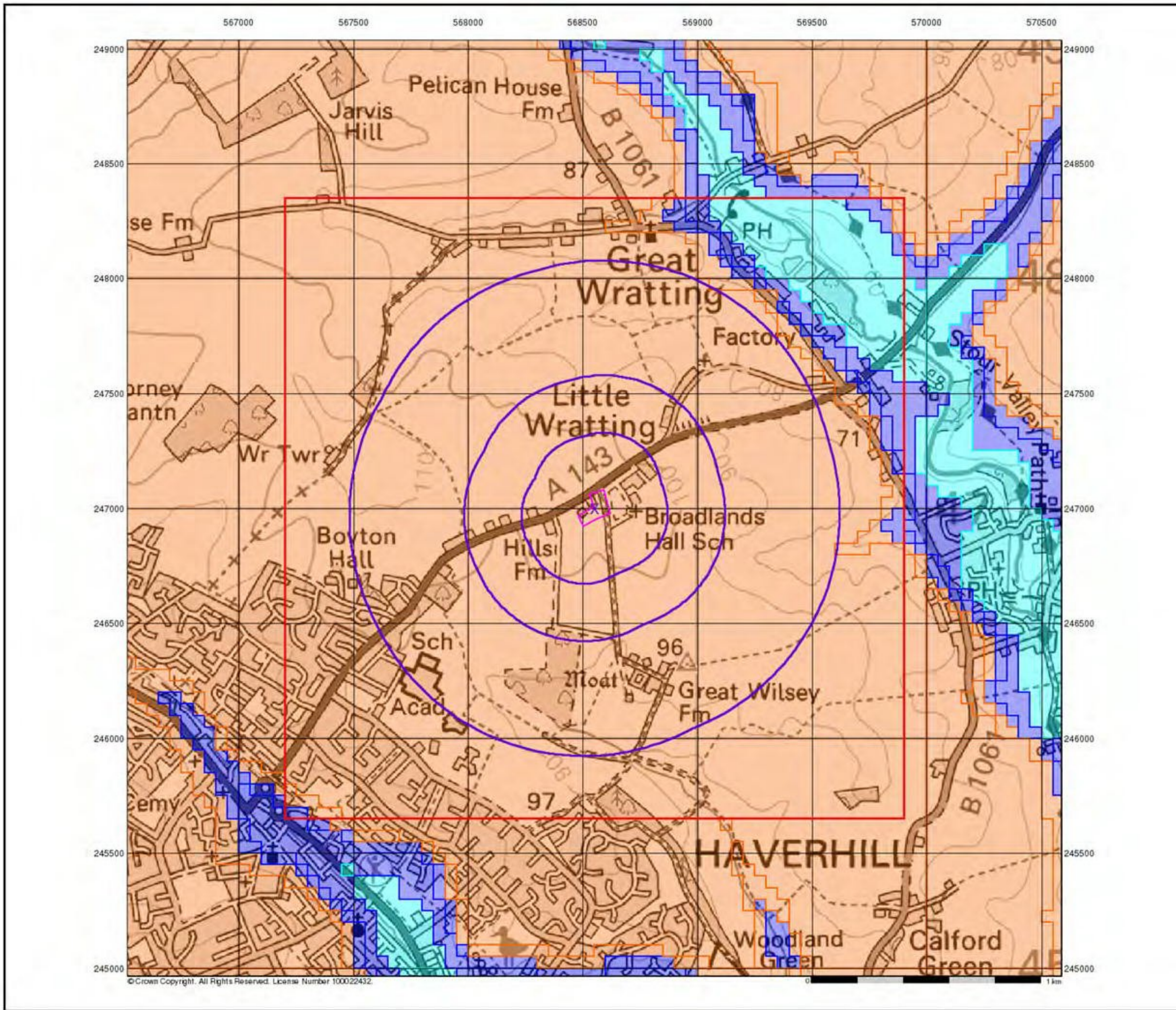
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 Customer Ref: 5449_DS (AT)
 National Grid Reference: 568550, 247000
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

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Landmark
 INFORMATION GROUP

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



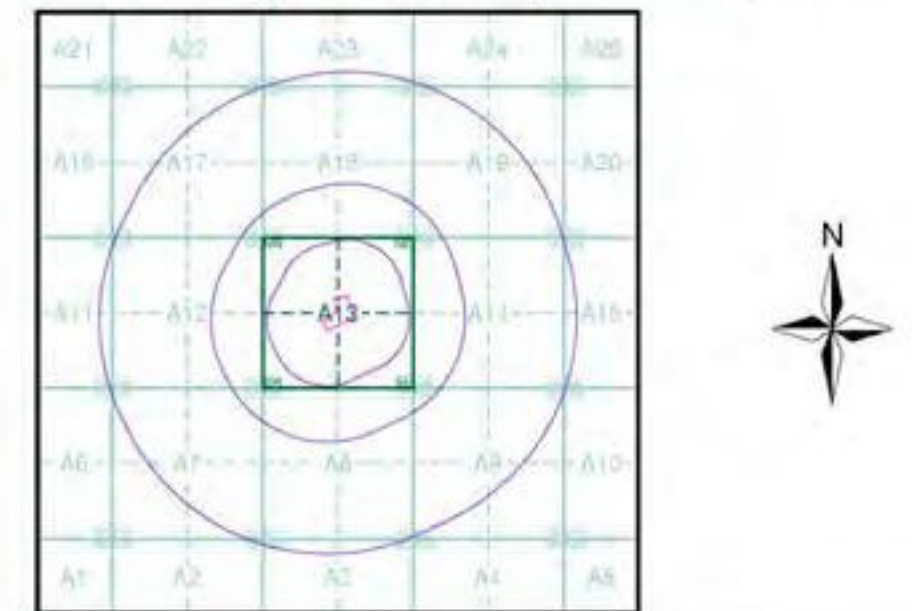
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BGS Flood GFS Data

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
- Agency and Hydrological (Flood)**
- Limited Potential for Groundwater Flooding to Occur
 - Potential for Groundwater Flooding of Property Situated Below Ground Level
 - Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 272302113_1_1
 Customer Ref: 5449_DS (AT)
 National Grid Reference: 568550, 247000
 Slice: A
 Site Area (Ha): 1.04
 Search Buffer (m): 1000

Site Details

Little Court, Haverhill Road, Little Wrattling, HAVERHILL, CB9 7UD

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- Pylon
- Overhead Transmission Line

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

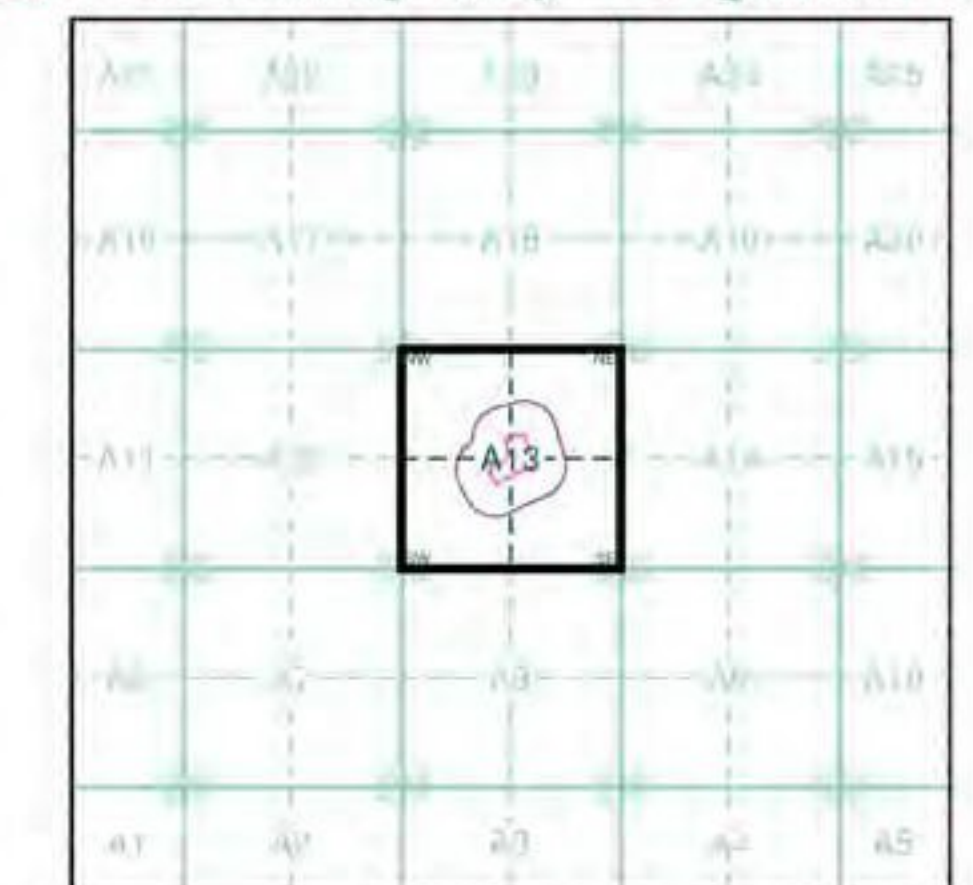
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

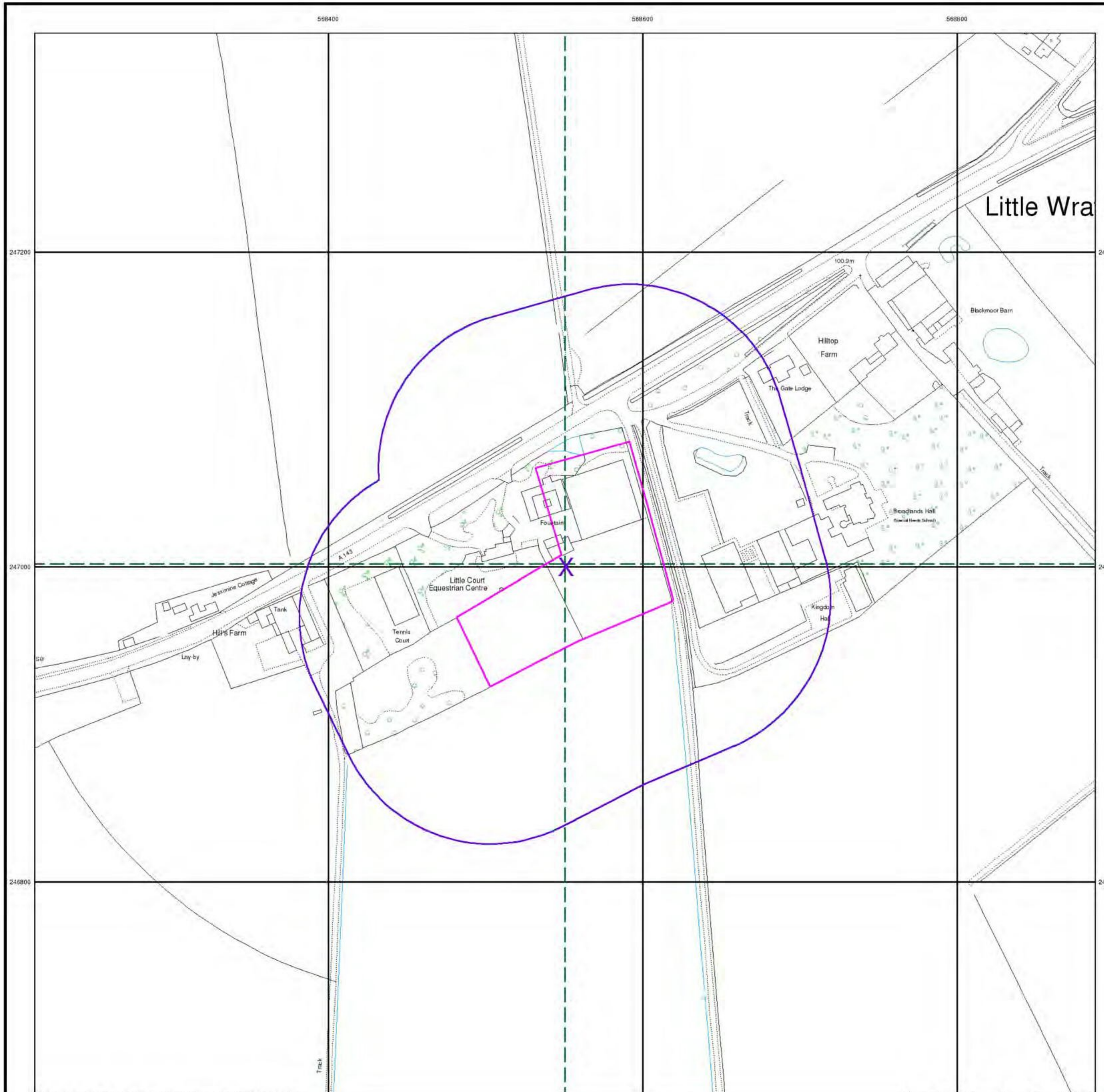


Order Details

Order Number: 272302113_1_1
 Customer Ref: 5449_DS (AT)
 National Grid Reference: 568550, 247000
 Slice: A
 Site Area (Ha): 1.04
 Plot Buffer (m): 100

Site Details

Little Court, Haverhill Road, Little Wrating, HAVERHILL, CB9 7UD



Appendix 4 – Envirocheck Historical Maps

Appendix 5 – Comparison of Consequences Against Probability

		Consequence (Severity of Linkage)			
		Severe (S)	Moderate (Mo)	Mild (Mi)	Negligible (N)
Probability (Likelihood of linkage from)	Highly Likely (HL)	Very High Risk (VH)	High Risk (HR)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)
	Likely (L)	High Risk (HR)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)	Low Risk (LR)
	Unlikely (U)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)	Low Risk (LR)	Negligible Risk (NR)
	Negligible (N)	Moderate/Low Risk (MR-LR)	Low Risk (LR)	Negligible Risk (NR)	Negligible Risk (NR)

This table is to provide reference information in conjunction with the GEL Conceptual Model attached within the Hazard Risk Assessment section of this report, Table 4 – Conceptual Model.

Very High Risk (VH)

- There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is happening currently.
- Urgent investigation and remediation are likely to be required and advised.

High Risk (HR)

- Harm is likely to arise to a designated receptor from an identified hazard.
- Urgent investigation is required and remedial works are likely necessary in both the short to long term.

Moderate Risk (MR)

- It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.
- Investigation is required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.

Low Risk (LR)

- It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation recommended.

Negligible Risk (NR)

- There is a minimal possibility that harm could arise to a receptor. In the event of such harm being realised it is high likely to not be severe. Investigation not deemed necessary.

Appendix 6 - Drawings

Site Location Plan – Drawing ref. 5449,DS/001/Rev0

Site Plan – Drawing ref. 5449,DS/002/Rev0

Appendix 7 - Photographs