



**Ashwell Road
Bygrave
Hertfordshire
SG7 5EB**

Desk Study

Richard Young

February 2026

J26006

Rev 0





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Executive summary

This executive summary contains an overview of the key findings and conclusions. No reliance should be placed on any part of the executive summary until the whole of the report has been read. Other sections of the report may contain information that puts into context the findings that are summarised in the executive summary.

Brief

This report describes the findings of a desk study carried out by Geotechnical and Environmental Associates Limited (GEA) on the instructions of MRP Investment & Development Ltd with respect to the redevelopment of the site through the removal of the present polytunnels and the erection of a single storey self-build dwelling and detached garage including installation of PV roof panels, an air source heat pump and a wind turbine.

The purpose of the work has been to determine the history of the site, to assess the potential for contamination, to provide preliminary information on the expected ground conditions and to provide preliminary information on foundation options with regard to the proposed development of the site.

Desk Study Findings

The earliest map studied, dated 1877, shows the site to have been an area of farmland with Ashwell road present on the eastern boundary. A gravel pit is shown approximately 75 m to the north east. This pit was infilled by 1898 but another sand pit had been excavated by 1922 approximately 50 m to the east. This in turn was infilled by 1937. There are no further changes noted up until the 1975 map which shows a sewage works had been constructed on site with filter beds and a storage tank in the south. By 1999, the sewage works appears to have been removed, but the 2025 map notes a sewage pumping station on site.

Anecdotal information provided by the client from the previous owner of the site (Herts Native Trees) confirmed that a sewage treatment plant was previously located on the site, and included surface mounted treatment tanks. No underground pipes or tanks were noted. It is understood that when the site was changed to a sewage pump system, all of the previous treatment equipment and tanks were removed.

The British Geological Survey (BGS) map of the area indicates that the site is directly underlain by the Glaciofluvial Deposits over the Lowestoft Formation. These are underlain by the New Pit Chalk Formation.

There are no recorded landfill sites within 1 km of the site. There are also no recorded licensed waste management facilities or integrated pollution control registered waste sites noted within 1 km. There is a single area of potentially infilled land (non-water) noted within 250 m, this being a pit located 62 m to the east, which was infilled by 1898.

Contamination Risk Assessment

On the basis of the findings of the research carried out, there is considered to be a MODERATE to LOW risk of there being a contamination linkage at this site. The risk of landfill gas associated with the former sewage works should be investigated further.

Foundation Assessment

Loads for the new dwelling are anticipated to be light and provided that a significant thickness of made ground is not encountered, spread foundations bearing on competent natural soils should be feasible for the new building.

A ground investigation will be required to confirm the ground conditions and provide parameters for foundation design. Samples will also need to be recovered for contamination testing and, depending on the thickness of made ground, there may also be a requirement for soil gas monitoring.

Consideration may need to be given to deeper foundations for the proposed wind turbine in order to accommodate overturning moments.



1.0 Introduction

Geotechnical and Environmental Associates Limited (GEA) has been commissioned by Mr Richard Young to carry out a desk study at Herts Native Trees, Ashwell Road, Bygrave, Hertfordshire, SG7 5EB.

1.1 Proposed Development

It is understood that it is proposed to redevelop the site through the removal of the present polytunnels and the erection of a single storey self-build dwelling and detached garage including installation of PV roof panels, air source heat pump and wind turbine. A drawing of the proposed site layout is shown below.



This report is specific to the proposed development and the advice herein should be reviewed if the development proposals are amended.

1.2 Purpose of work

The principal technical objectives of the work carried out were as follows:

- to check the history of the site and surrounding area, particularly with respect to any previous or present potentially contaminative uses;
- to research the geology and hydrogeology of the site;
- to check records of data on groundwater, surface water and other publicly available environmental data; and
- to use the information obtained in the above searches to carry out a qualitative risk assessment with respect to subsurface contamination.

1.3 Scope of work

In order to meet the above objectives, a desk study was carried out, comprising, in summary, the following activities:

- a review of historical Ordnance Survey (OS) maps supplied from the Envirocheck database;
- a review of publicly available environmental data sourced from the Envirocheck database;
- a review of readily available geology maps; and
- provision of a report presenting and interpreting the above data, together with our advice and recommendations with respect to the proposed development.

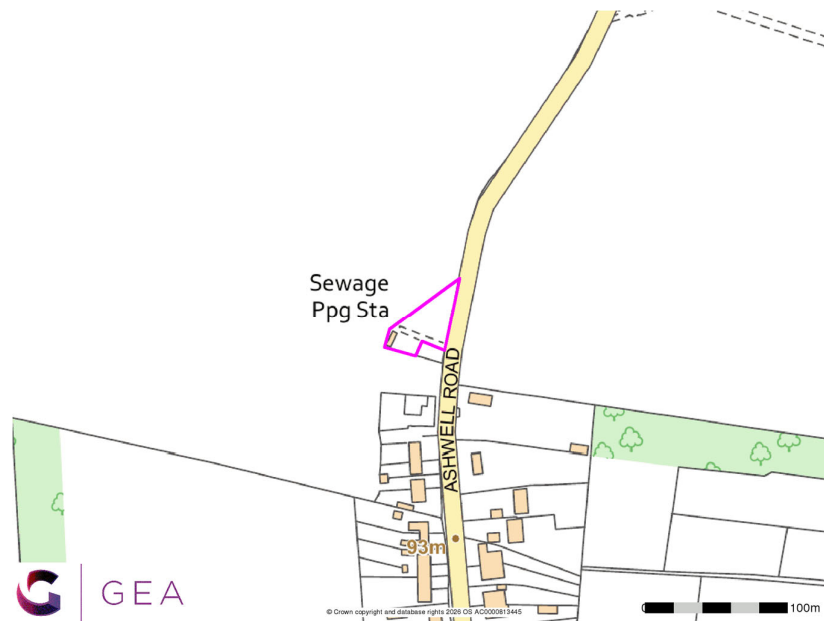


2.0 The Site

2.1 Site Description

The site is located on the northern outskirts of the village of Bygrave, approximately 2.92 km northeast of Baldock railway station and 1.50 km northwest of the A505. It fronts onto Ashwell Road to the east and is bounded by open farmland to the north, west and south.

The site is roughly triangular in shape measuring approximately 60 m north to south and 40 m west to east, occupying an area of approximately 0.14 Ha. The site may be additionally located by National Grid Reference TL263365 and is shown on the map extract below.



The site is currently occupied by a tree nursery, despite the map indicating the presence of a sewage pumping station, with several polytunnels in the south and open air storage area for young tree plantings across the centre and north. A small concrete access road connects the south of the site to Ashwell Road.

The site is predominantly unvegetated, excluding the young trees being stored on site, with only areas of grass along the boundaries and a semi mature tree at the entrance.

There is a very gentle slope from the east down towards the west.

2.2 Site History

The site history has been researched by reference to internet sources and historical Ordnance Survey (OS) maps obtained from the Envirocheck database.

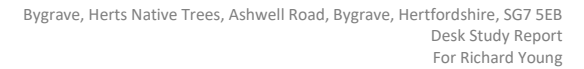
The earliest map studied, dated 1877, shows the site to have been an area of farmland with Ashwell Road present on the eastern boundary, as it is today. A gravel pit is shown approximately 75 m to the northeast, but was infilled by 1898. Another sand pit had been excavated approximately 50 m to the east of the site by 1922; this in turn, was infilled by 1937.

There are no further changes noted up until the 1975 map, which shows a sewage works had been constructed on site with filter beds and a storage tank in the south. By 1999, the sewage works appears to have been removed, but the 2025 map notes a sewage pumping station on site.

Anecdotal information provided by the client from the previous owner of the site (Herts Native Trees) confirmed that a sewage treatment plant was previously located on the site, including surface mounted treatment tanks. No underground pipes or tanks were noted. It is understood that when the site was changed to a sewage pump system all the previous treatment equipment and tanks were removed.

2.3 Other Information

A search of public registers and databases has been made via the Envirocheck database and relevant extracts from the search are appended. Full results of the search can be provided if required.



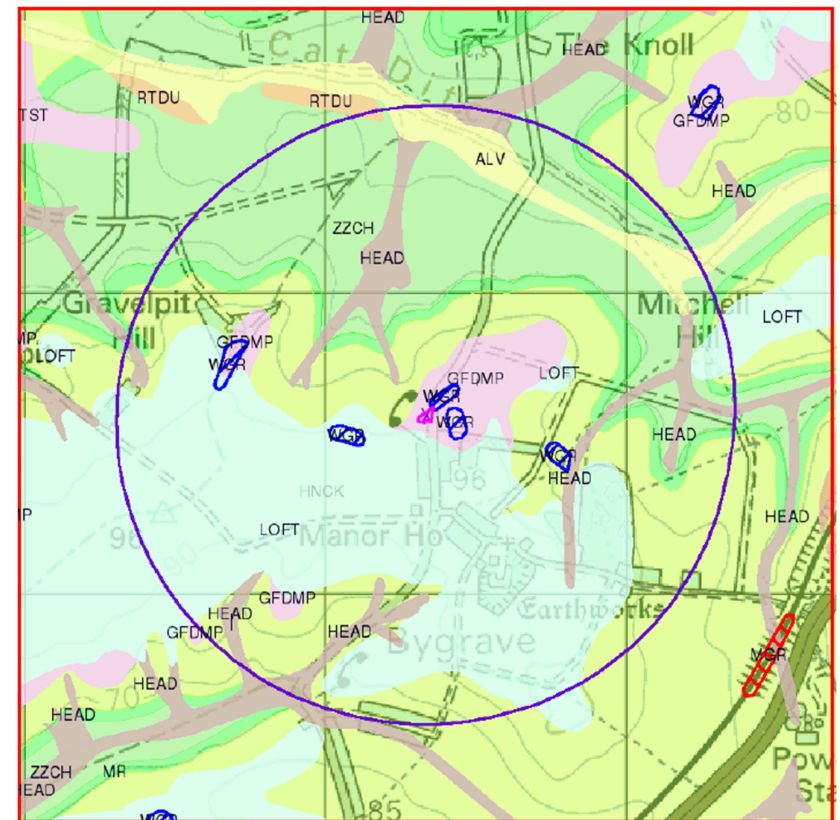
There are no pollution incidents to controlled waters recorded within 1 km of the site. The site is within a Nitrate Vulnerable Zone and there is an area of adopted green belt 28 m to the southeast.

Distance	Location	Entry	Active / Inactive
335 m S	Manor Ho,Bygrave, Baldock, Hertfordshire, SG7 5EE	Leather Products - Manufacturers & Suppliers	Inactive
364 m S	Manor Farm, Bygrave, Baldock, Hertfordshire, SG7 5EE	Cleaning Services - Commercial	Inactive
431 m SE	Manor Farm, Bygrave, Baldock, SG7 5EE	Testing, Inspection & Calibration Equipment Manufacturers	Inactive
431 m SE	Manor Farm, Bygrave, Baldock, SG7 5EE	Testing, Inspection & Calibration Equipment Manufacturers	Active

No petrol filling stations are noted within 1 km.

3.0 Ground Conditions

The British Geological Survey (BGS) map of the area, as reproduced by Envirocheck below, indicates that the site is directly underlain by the Glaciofluvial Deposits over the Lowestoft Formation Diamicton, over the New Pit Chalk Formation. Areas of worked ground are noted to the northeast and southeast, likely associated with the pits identified on historical maps.





The Glaciofluvial Deposits are described by the BGS lexicon as mostly coarse-grained sediments (i.e. sand and gravel) with some finer-grained layers (i.e. clay and silt), sand and gravel, locally with lenses of silt, clay or organic material. The Lowestoft Formation is an extensive sheet of chalky till, together with outwash sands and gravels, silts and clays.

The New Pit Chalk Formation is described as blocky, white firm to moderately hard chalk with numerous marls or paired marl seams. It forms part of the former classification of Middle Chalk and as such, includes relatively few flint seams but numerous marl bands, and is expected to be underlain by the Holywell Nodular Chalk.

be required, although would require suitably granular deposits or deeper soakaways. The superficial soils may not provide sufficient drainage, and the Environment Agency would need to be consulted on deep bore soakaways extending into the chalk given its location within a Source Protection Zone.

3.2 Hydrology and Hydrogeology

The Glaciofluvial Deposits are classified as a Secondary 'A' Aquifer, defined as comprising permeable layers that can support local water supplies, and may form an important source of base flow to rivers, whereas the Lowestoft Formation is classified as a Secondary Undifferentiated Aquifer. This is defined as where it is not possible to apply either a Secondary A or B designation because of the variable characteristics of the rock type. These have only a minor value.

The New Pit Chalk Formation is classified as a Principal Aquifer, defined as providing significant quantities of drinking water, and water for business needs. They may also support rivers, lakes and wetlands.

The nearest surface water feature is noted 441 m to the south. It is unclear from the maps what this refers to, but is likely to comprise drainage ditches along Ashwell Road. Several ponds are shown on the map approximately 500 m to the southeast.

There are two water abstractions noted within 500 m, these being located 376 m and 381 m to the south, both being noted as having the same operator. They are both noted as well and borehole sources for agricultural and domestic use respectively. The site is within a Zone 3, total catchment area, of a Source Protection Zone, relating to the chalk.

The site is noted as having limited potential for groundwater flooding to occur, but is not noted as being at risk from surface water flooding or flooding from rivers or sea.

The site is covered by the footprint of the existing tree nursery, such that infiltration will be predominantly directly into the ground. The proposed development will slightly increase the amount of hardstanding and therefore the amount of runoff. Due to the sites remoteness, drainage into a sewer system may not be possible and soakaway drainage may



4.0 Risk Assessment

4.1 Environmental Risks

Part IIA of the Environmental Protection Act 1990, which was inserted into that Act by Section 57 of the Environment Act 1995, provides the main regulatory regime for the identification and remediation of contaminated land. The determination of contaminated sites is based on a "suitable for use" approach which involves managing the risks posed by contaminated land by making risk-based decisions. This risk assessment is carried out on the basis of a source-pathway-receptor approach.

4.1.1 Source

On site

The desk study findings indicate that the site has a potentially contaminative history as it has apparently been developed with a sewage works since 1975. Potential contaminants from such could include metals, inorganic ions, treatment chemicals and organic chemicals¹. Due to the age of the works asbestos may also be present. However, due to the small size of the site and the recent and limited development of the site, a significant thickness of made ground is not anticipated.

Perched groundwater may be present within the made ground and leachable contaminants may be present.

The sewage works may have included buried sludge that could be a source of ground gas, although it is understood that all treatment was tank based and not on the site surface. The potential presence of a sewage works may have led to a risk of landfill gas on site.

Off site

The historic maps of the area do not indicate any substantial industrial land use within the vicinity of the site.

Whilst several off-site infilled pits have been noted within close proximity to the site, due to their small size and age they are not considered to be a significant source of ground gas.

4.1.2 Receptor

The redevelopment of the site into a residential end use will result in end users representing high sensitivity receptors. Adjacent sites are also considered to be sensitive receptors.

As the site is underlain by a Principal Aquifer, groundwater is considered a high sensitivity receptor. Buried services are likely to come into contact with any contaminants present within the soils through which they pass and site workers are potential receptors during construction or maintenance works.

4.1.3 Pathway

The presence of granular portions of the Glaciofluvial Deposits will allow for groundwater percolation into the underlying strata, and thus a pathway is considered likely to exist. However, the cohesive Lowestoft Formation is also likely to be present which would limit any groundwater movement. As a result any migration of contaminants would likely be small scale and lateral. Additionally, perched water within the made ground may allow the migration of contaminants to neighbouring sites.

The granular Glaciofluvial would also be a pathway for any ground gas present on site to migrate to end users and adjacent sites. However, it would also be limited by the presence of the cohesive Lowestoft Formation.

Within the site, end users will be isolated from direct contact with any contaminants present within the made ground by the presence of the buildings and the extent of the hardstanding, however the areas of soft landscaping will present a potential exposure pathway.

Buried services may be exposed to any contaminants present within the soil through direct contact and site workers will come into contact with the soils during construction works. There is thus considered to be a low to moderate potential for a contaminant pathway to be present between any potential contaminant source and a target for the particular contaminant.

¹ Department of the Environment Industrial Profile (1995) Sewage Works and Sewage Farms



4.1.4 Preliminary Risk Appraisal

In accordance with the guidelines provided by CIRIA², the following table comprises the conceptual site model and summarises possible pollution linkages for the site.

Source	Receptor	Pathway	Probability	Consequence	Risk
Inorganic and organic contamination within near surface soils resulting from existing and past activities on site	End users	Ingestion of contaminated soil or dust, through skin contact or inhalation	Low likelihood	Medium	Moderate/Low
	Vegetation	Uptake via soil through roots	Low likelihood	Mild	Low
	Groundwater	Percolation and leaching of surface run-off	Low likelihood	Medium	Moderate/Low
	Buried services / foundation concrete	Direct contact	Low likelihood	Mild	Very low
	Adjacent sites	Surface water flow or drain runs	Low likelihood	Mild	Very low
	Site workers	Ingestion of contaminated soil or dust, skin contact, inhalation	Low likelihood	Medium	Moderate/Low
Inorganic and organic contamination within perched water resulting from existing and past activities on site	End users	Direct contact	Low likelihood	Medium	Moderate/Low
	Vegetation	Uptake through roots	Unlikely	Mild	Very low
	Buried services / foundation concrete	Direct contact	Unlikely	Mild	Very low
	Adjacent sites	Surface water flow or drain runs	Low likelihood	Mild	Lw
	Site workers	Ingestion of contaminated soil or dust, skin contact, inhalation	Low likelihood	Medium	Moderate/Low

Source	Receptor	Pathway	Probability	Consequence	Risk
Landfill gas and vapours	End users	Inhalation	Low likelihood	Medium	Moderate/Low
	Buried services / foundation concrete	Direct contact	Low likelihood	Mild	Low
	Adjacent sites	Through permeable soils	Unlikely	Mild	Very low
	Site workers	Inhalation	Low likelihood	Medium	Moderate/Low

This method of risk evaluation involves classification of the magnitude of the potential consequence (severity) and probability (likelihood) of the risk. The method by which these factors are classified is detailed in the Appendix. On the basis of the consequence and probability the site can be attributed a level of risk, ranging from very low to very high and the procedure for making this assessment is shown in the Appendix, together with a description of each level of assessed risk and the actions that may be required to mitigate the risk.

On the basis of the above it is considered that there is a MODERATE/ LOW risk of there being a significant contaminant linkage at this site that could result in a requirement for extensive remediation work.

New structures will require some form of ground investigation to confirm foundation design parameters and it would be prudent to obtain contamination testing samples at the same time. The presence of a sewage works may have resulted in the deposition of organic rich material at the site surface, although it is understood that all sewage treatment was confined to above ground tanks. The requirement for gas monitoring should be reviewed following a ground investigation to confirm the thickness of made ground and the presence of organic material.

An asbestos survey is likely to be required to be carried out prior to any demolition works.

² Rudland, DJ, Lancefield, RM and Mayell, PN (2001) *Contaminated land risk assessment. A guide to good practice.* CIRIA C552



In areas of soft landscaping, a pathway will exist by which end users can come into contact with any contamination in the shallow soils, via direct contact, accidental ingestion of soil, soil-derived dust and soil adhering to homegrown produce.

4.2 Development Issues

The proposed development comprises the clearing of the site and subsequent construction of a single storey self-build dwelling and detached garage including installation of PV roof panels, air source heat pump and wind turbine.

Loads for the new dwelling are anticipated to be light and provided that a significant thickness of made ground is not encountered, spread foundations should be feasible for the new building provided competent natural soils are identified. Consideration may need to be given to deeper piled foundations for the wind turbine, depending on the magnitude of the overturning moments.

The ground investigation should also target the area of the former sewage works and tanks to check for the presence of remnant organic material that may pose a risk of ground gas, and consideration will then need to be given to the requirement for gas monitoring.

If contamination is identified within the soils on site, there may be a requirement for localised removal or provision of a clean cover system in areas of soft landscaping. A remedial method statement and subsequent validation would be necessary and may form a planning condition.

5.0 Conclusions

On the basis of the findings of the research carried out there is considered to be a MODERATE/ LOW RISK of there being significant contamination linkage at this site. The risk of landfill gas should be investigated further.

A ground investigation should be carried out to allow the risks associated with any potentially contaminated soils that may be present due to past activities on the site to be determined, and to provide information to assist with the design of foundations.



Appendix

Envirocheck Extracts
Historical Maps
Risk Assessment Tables

Bygrave, Herts Native Trees, Ashwell Road, Bygrave, Hertfordshire, SG7 5EB
Desk Study Report
For Richard Young

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

395460721_1_1

Customer Reference:

J26037

National Grid Reference:

526340, 236590

Slice:

A

Site Area (Ha):

0.14

Search Buffer (m):

1000

Site Details:

Herts Native Trees, Ashwell Road

Bygrave

Baldock

SG7 5EB

Client Details:

Mr Cooper

GEA Ltd

Unit 1

Church Farm

Gotham Road

Kingston on Soar

NG11 0DE



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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		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters					
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1			2	23 (*32)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 15	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 15	1	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones	pg 15	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 16			3	10
Water Framework Directive - Catchment	pg 17	Yes		Yes	
Water Framework Directive - Groundwater	pg 17	Yes			
Water Framework Directive - Surface Waters	pg 17				Yes

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 18	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 18		1	1	1
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 19	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 19	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 24		1	2	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 24	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 25	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 26			4	
Fuel Station Entries					
Points of Interest - Commercial Services	pg 26			2	
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 26		1		1
Points of Interest - Public Infrastructure	pg 26	1	1		2
Points of Interest - Recreational and Environmental					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 27				1
Areas of Adopted Green Belt	pg 27		1		
Areas of Unadopted Green Belt	pg 27		1		
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas	pg 27				1
Nitrate Vulnerable Zones	pg 27	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 (NW)	0	1	526336 236594
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	252	1	526250 236850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	319	1	526200 236900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	327	1	526336 236950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	427	1	526336 237050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	458	1	526800 236500
	Nearest Surface Water Feature	A8NE (S)	441	-	526334 236128
1	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*g/004 Permit Version: Not Supplied Location: Well , Water Tower Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 7 Yearly Rate (m3): 20000 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	A8NE (S)	376	2	526400 236200
1	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*g/004 Permit Version: Not Supplied Location: Borehole At, BYGRAVE Authority: Environment Agency, Anglian Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 7 Yearly Rate (m3): 20000 Details: C Chalk 2; 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 100m	A8NE (S)	381	2	526400 236195
2	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*g/004 Permit Version: Not Supplied Location: Borehole, OLD RECTORY Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 7 Yearly Rate (m3): 20000 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	A9NW (SE)	589	2	526700 236100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*g/004 Permit Version: Not Supplied Location: Well No.2 At, , BYGRAVE, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 7 Yearly Rate (m3): 20000 Details: C Chalk 2; 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	A9NW (SE)	593	2	526700 236095
2	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*g/004 Permit Version: Not Supplied Location: Well At, BYGRAVE Authority: Environment Agency, Anglian Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 7 Yearly Rate (m3): 20000 Details: C Chalk 2; 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	A9NW (SE)	596	2	526705 236095
3	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/*g/044 Permit Version: Not Supplied Location: Borehole At, NEWNHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 91 Yearly Rate (m3): 1840910 Details: Greensand 3; 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 100m	A12SW (W)	691	2	525615 236565
3	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/*g/044 Permit Version: Not Supplied Location: Borehole At, NEWNHAM Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1840910 Details: Greensand 3; 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 100m	A12SW (W)	692	2	525615 236560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Water Abstractions Operator: A E & W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Borehole At, , NEWNHAM, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: Greensand 3; 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 100m	A12SW (W)	692	2	525615 236555
3	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Cat Ditch , NEWNHAM 2 Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: 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 100m	A12SW (W)	692	2	525615 236550
3	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/*g/044 Permit Version: Not Supplied Location: Borehole At, NEWNHAM Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 91 Yearly Rate (m3): 1840910 Details: Greensand 3; 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 100m	A12SW (W)	696	2	525610 236565
3	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: An/033/0014/070 Permit Version: 1 Location: Borehole At Newnham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 24th September 2025 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	697	2	525610 236560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*G/0071/R02 Permit Version: 1 Location: Borehole At Newnham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	697	2	525610 236560
3	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*G/0071/R01 Permit Version: 1 Location: Borehole At Newnham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	697	2	525610 236560
3	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*G/0071 Permit Version: 1 Location: Borehole At Newnham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 9th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	697	2	525610 236560
3	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*G/0064 Permit Version: 100 Location: Borehole At Newnham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Greensand 3; Status: Temporary Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st May 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	697	2	525610 236560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Water Abstractions Operator: A E & W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Borehole At, , NEWNHAM, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1841000 Details: Greensand 3; 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 100m	A12SW (W)	697	2	525610 236555
3	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Drain , NEWNHAM A Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1841000 Details: 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 100m	A12SW (W)	697	2	525610 236550
3	Water Abstractions Operator: William Arthur Michael Farr Licence Number: 6/33/14/*g/050 Permit Version: Not Supplied Location: Borehole At, NEWNHAM Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1841000 Details: Greensand 3; 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 100m	A12SW (W)	701	2	525605 236565
3	Water Abstractions Operator: William Arthur Michael Farr Licence Number: 6/33/14/*g/050 Permit Version: Not Supplied Location: Borehole At, NEWNHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: Greensand 3; 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 100m	A12SW (W)	702	2	525605 236560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Water Abstractions Operator: William Arthur Michael Farr Licence Number: 6/33/14/*g/050 Permit Version: Not Supplied Location: Borehole At, NEWNHAM Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: Greensand 3; 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 100m	A12SW (W)	702	2	525605 236555
4	Water Abstractions Operator: G C Horner Licence Number: 6/33/15/*s/030 Permit Version: Not Supplied Location: Watercourse , HENLOW Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 3 Yearly Rate (m3): 54550 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	A19SE (NE)	927	2	527200 237010
5	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*G/0004 Permit Version: 102 Location: Borehole At Bygrave Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SW (S)	941	2	526700 235700
5	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*G/0004 Permit Version: 101 Location: Borehole At Bygrave Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 24th February 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (S)	941	2	526700 235700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Water Abstractions Operator: D Northern & Sons Licence Number: 6/33/14/*g/004 Permit Version: Not Supplied Location: Well At, BYGRAVE Authority: Environment Agency, Anglian Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 7 Yearly Rate (m3): 20000 Details: C Chalk 2; 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	A9SW (S)	941	2	526700 235700
5	Water Abstractions Operator: R C Topham Ltd Licence Number: 6/33/14/*g/038 Permit Version: Not Supplied Location: Borehole At, BYGRAVE Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 62 Yearly Rate (m3): 590900 Details: C Chalk 2; 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 100m	A9SW (S)	946	2	526700 235695
	Water Abstractions Operator: D Northern & Sons Licence Number: An/033/0014/007 Permit Version: 2 Location: Manor Farm, Bygrave Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th June 2023 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	1027	2	526819 235660
	Water Abstractions Operator: D Northern & Sons Licence Number: An/033/0014/007 Permit Version: 2 Location: Manor Farm, Bygrave 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th June 2023 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	1027	2	526819 235660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: D Northern & Sons Licence Number: An/033/0014/007 Permit Version: 1 Location: Manor Farm, Bygrave Authority: Environment Agency, Anglian Region Abstraction: Trickle Irrigation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 25th March 2022 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	1027	2	526819 235660
	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Cat Ditch , NEWNHAM 5 Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 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	A23SW (N)	1084	2	526140 237685
	Water Abstractions Operator: Ae & Wa Farr Limited Licence Number: 6/33/14/**/057 Permit Version: Not Supplied Location: Cat Ditch, NEWNHAM 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 100m	A23SW (N)	1088	2	526145 237690
	Water Abstractions Operator: A E & W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Cat Ditch 1 At , NEWNHAM, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: 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 100m	A23SW (N)	1089	2	526140 237690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*S/0065 Permit Version: 100 Location: Un-Named Drain - Newnham 'A' Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Temporary Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st May 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1107	2	525200 236600
	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*S/0065 Permit Version: 100 Location: Cat Ditch - Newnham '1' Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Temporary Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st May 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1108	2	526100 237700
	Water Abstractions Operator: A E + W A Farr Ltd Licence Number: 6/33/14/*s/065 Permit Version: Not Supplied Location: Cat Ditch '1', , NEWNHAM, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: Status: Temporary 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	A23SW (N)	1108	2	526100 237700
	Water Abstractions Operator: Ae & Wa Farr Limited Licence Number: 6/33/14/*i/057 Permit Version: Not Supplied Location: Drain Near , Hullockpit Hill 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 100m	A11NE (W)	1127	2	525180 236600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Cat Ditch , NEWNHAM 3 Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: 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 100m	A11SE (W)	1127	2	525180 236595
	Water Abstractions Operator: A E + W A Farr Ltd Licence Number: 6/33/14/*s/065 Permit Version: Not Supplied Location: Cat Ditch , NEWNHAM 2 Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: Status: Temporary 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	A22SE (NW)	1209	2	525800 237695
	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*S/0065 Permit Version: 100 Location: Cat Ditch - Newnham 2 Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct 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 April Authorised End: 30 September Permit Start Date: 1st May 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1213	2	525800 237700
	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Cat Ditch , NEWNHAM 1 Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: 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 100m	A22SE (NW)	1265	2	525775 237745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A E & W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Cat Ditch 2 At , NEWNHAM, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: 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 100m	A22SE (NW)	1267	2	525770 237745
	Water Abstractions Operator: Ae & Wa Farr Limited Licence Number: 6/33/14/*i/057 Permit Version: Not Supplied Location: Cat Ditch, NEWNHAM 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 100m	A22SE (NW)	1272	2	525770 237750
	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Borehole At, NEWNHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 Details: 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 100m	A11NW (W)	1514	2	524810 236805
	Water Abstractions Operator: Ae & Wa Farr Limited Licence Number: 6/33/14/*i/057 Permit Version: Not Supplied Location: Drain Near , Hullockpit Hill 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 100m	A11NW (W)	1515	2	524810 236810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*S/0065 Permit Version: 100 Location: Un-Named Drain - Newnham 'B' Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Temporary Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st May 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1523	2	524800 236800
	Water Abstractions Operator: Ae & Wa Farr Limited Licence Number: 6/33/14/*i/057 Permit Version: Not Supplied Location: Drain Near , Hullockpit Hill 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 100m	A11NW (W)	1588	2	524755 236915
	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Drain , NEWNHAM C Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 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	A11NW (W)	1594	2	524750 236920
	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*S/0065 Permit Version: 100 Location: Un-Named Drain - Newnham 'C' Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Temporary Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st May 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1639	2	524700 236900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G M Murray Licence Number: 6/33/14/*G/0037 Permit Version: 100 Location: Borehole At Pembroke Farm 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: C Chalk 2; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 1972 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NE (NE)	1660	2	527700 237600
	Water Abstractions Operator: A E And W A Farr Limited Licence Number: 6/33/14/**/056 Permit Version: Not Supplied Location: Drain , NEWNHAM B Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1841000 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	A21SW (NW)	1956	2	524865 237905
	Water Abstractions Operator: A E & W A Farr Ltd Licence Number: 6/33/14/*G/0028 Permit Version: 100 Location: Borehole At Newnham 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: Greensand 3; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1963	2	524660 237650
	Water Abstractions Operator: Ae & Wa Farr Limited Licence Number: 6/33/14/*i/057 Permit Version: Not Supplied Location: Cat Ditch, NEWNHAM 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 100m	A21SW (NW)	1963	2	524860 237910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Three Valleys Water Plc Licence Number: 6/33/14/*g/036 Permit Version: Not Supplied Location: Two Bore, Slip End, , ASHWELL, Hertfordshire Authority: Environment Agency, Anglian Region Abstraction: Public Water Supply Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1991 Yearly Rate (m3): 6819000 Details: C Chalk 2; 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	(E)	1987	2	528300 237045
	Water Abstractions Operator: Affinity Water Limited Licence Number: 6/33/14/*G/0036 Permit Version: 103 Location: Two Bore,Slip End,Ashwell Authority: Environment Agency, Anglian Region Abstraction: Environmental: Non-remedial River/Wetland Support: Transfer between sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1988	2	528300 237050
	Water Abstractions Operator: Affinity Water Limited Licence Number: 6/33/14/*G/0036 Permit Version: 103 Location: Two Bore,Slip End,Ashwell 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: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1988	2	528300 237050
	Water Abstractions Operator: Affinity Water Limited Licence Number: 6/33/14/*G/0036 Permit Version: 102 Location: Two Bore,Slip End,Ashwell 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th November 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1988	2	528300 237050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Veolia Water Central Limited Licence Number: 6/33/14/*G/0036 Permit Version: 101 Location: Two Bore, Slip End, Ashwell 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th July 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1988	2	528300 237050
	Water Abstractions Operator: Three Valleys Water Plc Licence Number: 6/33/14/*G/0036 Permit Version: 100 Location: Two Bore, Slip End, Ashwell 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1988	2	528300 237050
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data	A13SE (NW)	0	2	526336 236594
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A13SE (NW)	0	2	526336 236594
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (NW)	0	2	526336 236594
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NW)	0	2	526336 236594
6	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 (NW)	0	2	526336 236594
	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				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 598.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8NE (S)	441	3	526334 236128
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	499	3	526817 236404
9	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (E)	499	3	526817 236404
10	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SW (SE)	523	3	526803 236316
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8NE (SE)	560	3	526618 236082
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 438.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A7NE (SW)	740	3	525738 236102
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 619.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cat Ditch Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NW (NE)	841	3	526837 237314
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Cat Ditch Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NW (NE)	855	3	526712 237402
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 509.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cat Ditch Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19NW (NE)	857	3	526703 237407

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A18NW (N)	966	3	526246 237583
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: Underground Permanent: True Watercourse Name: Cat Ditch Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	982	3	527230 237075
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 778.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cat Ditch Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A19SE (NE)	991	3	527239 237077
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A23SW (N)	997	3	526246 237614
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Cat Ditch WaterBody ID: GB105033037740 Operational level Catchment: Ouse Upper and Bedford Management Catchment: Upper & Bedford Ouse	A13SE (NW)	0	2	526336 236594
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: level (US Henlow) WaterBody ID: GB105033037720 Operational level Catchment: Ouse Upper and Bedford Management Catchment: Upper & Bedford Ouse	A13SW (S)	258	2	526250 236320
	Water Framework Directive - Groundwater Waterbody Name: Upper Bedford Ouse Chalk Waterbody ID: GB40601G603000 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB40601G603000 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: 2019	A13SE (NW)	0	2	526336 236594
	Water Framework Directive - Surface Waters Class Code: River Waterbody Name: Cat Ditch Waterbody ID: GB105033037740 URL Address: Not Supplied Overall Rating: Not Assessed Chemical Rating: Not Assessed Classification Year: 2022	A19NW (NE)	840	2	526823 237323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Hertfordshire County Council - Has supplied landfill data		0	4	526336 236594
	Local Authority Landfill Coverage Name: North Hertfordshire District Council - Has supplied landfill data		0	5	526336 236594
20	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A13NE (E)	62	-	526420 236618
21	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A14SW (SE)	437	-	526728 236358
22	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A8NW (S)	570	-	526280 236001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13SE (NW)	0	1	526336 236594
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (NW)	0	1	526336 236594
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (S)	25	1	526317 236546
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	34	1	526287 236616
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NW (NW)	131	1	526237 236696
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	288	1	526175 236845
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 20 - 40 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	294	1	526195 236867

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 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (E)	294	1	526648 236670
	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 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (W)	306	1	526000 236571
	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 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12NE (W)	380	1	525942 236684
	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 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	428	1	525983 236863
	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 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SW (E)	480	1	526815 236465
	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:	A8NW (S)	517	1	526222 236063

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 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8NW (S)	534	1	526184 236055
	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 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	571	1	526376 236000
	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:	A12NE (NW)	571	1	525795 236833
	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 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	578	1	526935 236580
	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:	A8NW (S)	650	1	526268 235922
	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:	A7NE (SW)	677	1	525940 236006

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: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	683	1	525938 236000
	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:	A7NE (SW)	712	1	525815 236059
	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:	A7NE (SW)	805	1	525717 236026
	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: 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (NE)	807	1	526742 237333
	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: 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	819	1	527169 236507
	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: 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	860	1	527213 236712

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: 30 - 45 mg/kg Concentration:	A14NE (E)	861	1	527210 236747
	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: 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	864	1	527210 236767
	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: 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A12NW (W)	907	1	525411 236717
	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: 30 - 45 mg/kg Concentration:	A14NE (E)	908	1	527262 236713
	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: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18NW (N)	963	1	526182 237569
	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: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SW (SW)	983	1	525578 235914

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 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SE (N)	998	1	526335 237621
23	BGS Recorded Mineral Sites Site Name: Bygrave Sand Pit Location: Bygrave, Baldock, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 165935 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (E)	79	1	526437 236620
24	BGS Recorded Mineral Sites Site Name: Lower Farm Chalk Pit Location: Bygrave, Baldock, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 165929 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A14SW (E)	431	1	526766 236469
25	BGS Recorded Mineral Sites Site Name: Lower Farm Chalk Pit Location: Bygrave, Baldock, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 165930 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	442	1	526732 236354
26	BGS Recorded Mineral Sites Site Name: Bygrave Chalk Pit Location: Bygrave, Baldock, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 165931 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NW (S)	581	1	526280 235990
	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 (NW)	0	1	526336 236594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	526336 236594
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	526336 236594
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	526336 236594
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	526287 236616
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	526336 236594
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	526287 236616
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	526336 236594
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	1	526287 236616
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	131	1	526237 236696
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	526336 236594
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	25	1	526317 236546
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	131	1	526237 236696
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	526336 236594
	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 (NW)	0	1	526336 236594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Contemporary Trade Directory Entries Name: Hard Associates Location: Manor Ho, Bygrave, Baldock, Hertfordshire, SG7 5EE Classification: Leather Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	335	-	526416 236245
27	Contemporary Trade Directory Entries Name: Clean Business Ltd Location: Manor Farm, Bygrave, Baldock, Hertfordshire, SG7 5EE Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	364	-	526445 236222
28	Contemporary Trade Directory Entries Name: Terotest Location: Manor Farm, Bygrave, Baldock, SG7 5EE Classification: Testing, Inspection & Calibration Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	431	-	526550 236192
28	Contemporary Trade Directory Entries Name: Terotest Location: MANOR FARM, CHURCH LANE, BYGRAVE, SG7 5EE Classification: Testing, Inspection & Calibration Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	431	-	526550 236192
29	Points of Interest - Commercial Services Name: Centurian Soft Drinks Location: Manor Farm, Bygrave, Baldock, SG7 5EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NE (S)	364	6	526445 236222
30	Points of Interest - Commercial Services Name: Centurian Soft Drinks Ltd Location: Manor Farm, Church Lane, Bygrave, SG7 5EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NE (SE)	431	6	526550 236192
31	Points of Interest - Manufacturing and Production Name: Tank Location: SG7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	208	6	526276 236367
32	Points of Interest - Manufacturing and Production Name: Tank Location: SG7 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	861	6	527020 236034
33	Points of Interest - Public Infrastructure Name: Sewage Pumping Location: SG7 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13SW (W)	0	6	526332 236593
33	Points of Interest - Public Infrastructure Name: Sewage Works Location: SG7 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	13	6	526304 236599
34	Points of Interest - Public Infrastructure Name: Slurry Bed Location: SG7 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	883	6	527091 236095
35	Points of Interest - Public Infrastructure Name: E T J Skipp & Son Location: 307 Wedon Way, Bygrave, Baldock, SG7 5DX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A3NW (S)	999	6	526248 235573

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Ancient Woodland Name: Park Wood Reference: 1116122 Area(m²): 58493.45 Type: Ancient and Semi-Natural Woodland	A14SW (E)	536	7	526860 236416
37	Areas of Adopted Green Belt Authority: North Hertfordshire District Council Plan Name: North Hertfordshire District Local Plan Status: Adopted Plan Date: 30th April 1996	A13SE (SE)	28	8	526358 236547
38	Areas of Unadopted Green Belt Authority: North Hertfordshire District Council Plan Name: North Hertfordshire Local Plan Status: Submission Draft Plan Date: 11th April 2017	A13SE (SE)	28	8	526358 236547
39	Nitrate Sensitive Areas Name: Slip End Multiple Area: N Area (m2): 13047018.11 Source: Natural England	A19SE (NE)	922	7	527110 237157
40	Nitrate Vulnerable Zones Name: Anglian Chalk Description: Groundwater Source: Environment Agency, Head Office	A13SE (NW)	0	2	526336 236594
41	Nitrate Vulnerable Zones Name: Great Ouse Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (NW)	0	2	526336 236594

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	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	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
4	Hertfordshire County Council - Spatial Planning and Economy Unit County Hall, Hertford, Hertfordshire, SG13 8DN	Telephone: 01992 556266 Fax: 01992 556015 Email: spatialplanning@hertfordshire.gov.uk Website: www.hertsdirect.org
5	North Hertfordshire District Council - Environmental Health Department Council Offices, Gernon Road, Letchworth, Hertfordshire, SG6 3JF	Telephone: 01462 474000 Fax: 01462 474559 Website: www.north-herts.gov.uk
6	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	North Hertfordshire District Council Council Offices, Gernon Road, Letchworth, Hertfordshire, SG6 3JF	Telephone: 01462 474000 Fax: 01462 474558 Website: www.north-herts.gov.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 Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.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
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

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

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HNCK	Holywell Nodular Chalk Formation and New Pit Chalk Formation (Undifferentiated)	Chalk	Not Supplied - Cenomanian
	MR	Melbourn Rock Member	Chalk	Not Supplied - Cenomanian
	ZZCH	Zig Zag Chalk Formation	Chalk	Not Supplied - Cenomanian
	HCK	Holywell Nodular Chalk Formation	Chalk	Not Supplied - Cenomanian
	TTST	Totternhoe Stone Member	Chalk	Not Supplied - Cenomanian
	WMCH	West Melbury Marly Chalk Formation	Chalk	Not Supplied - Cenomanian
		Faults		



GEA

Geology 1:50,000 Maps

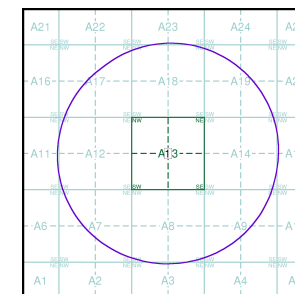
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	221
Map Name:	Hitchin
Map Date:	1995
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



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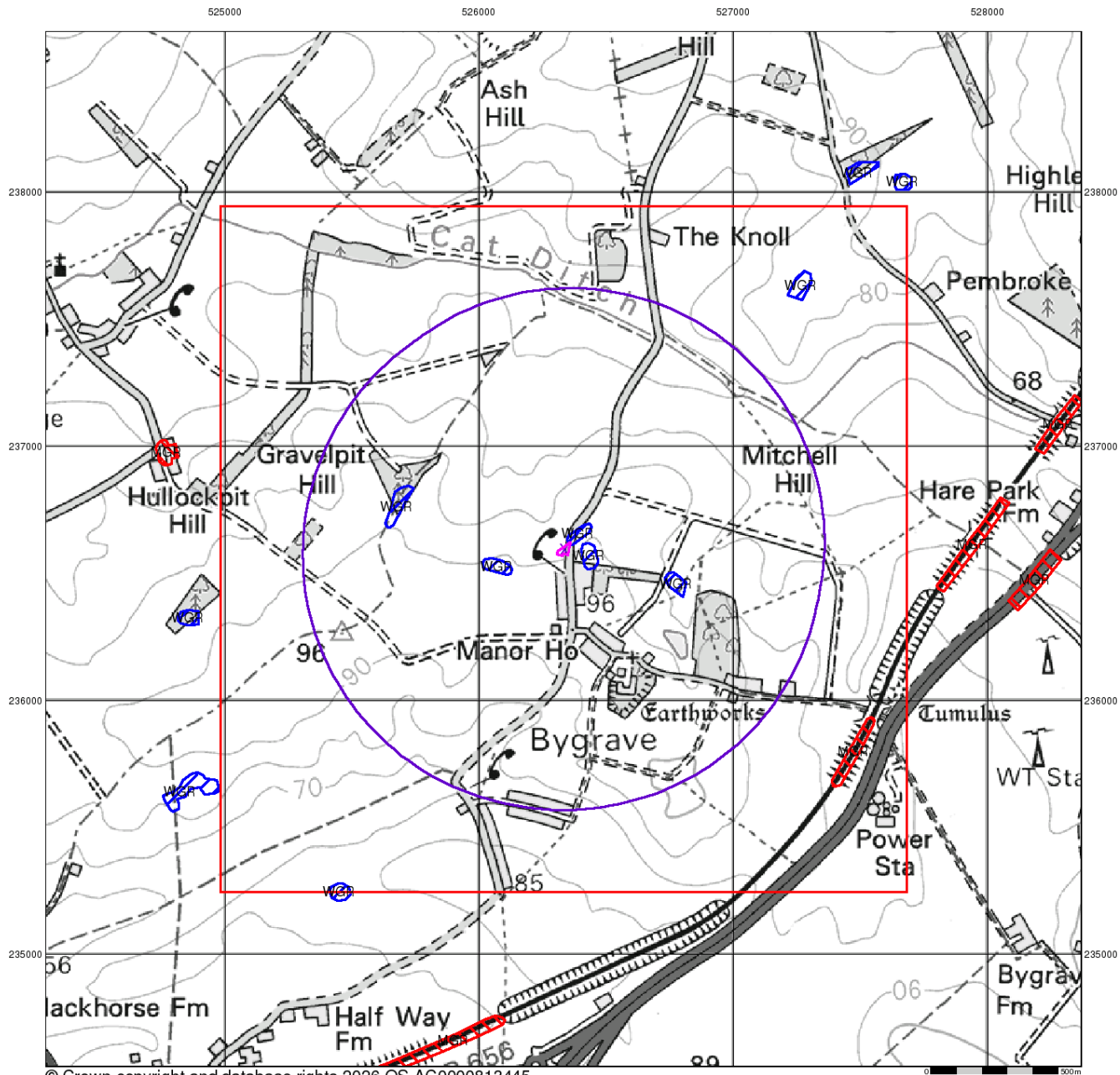
Order Number:	395460721_1_1
Customer Reference:	J26037
National Grid Reference:	526340, 236590
Slice:	A
Site Area (Ha):	0.14
Search Buffer (m):	1000

Site Details:

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB

Landmark
INFORMATION GROUP

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



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Artificial Ground and Landslip

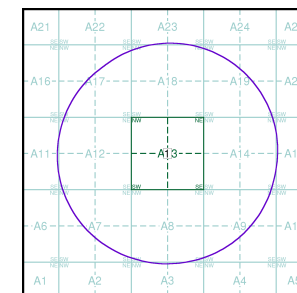
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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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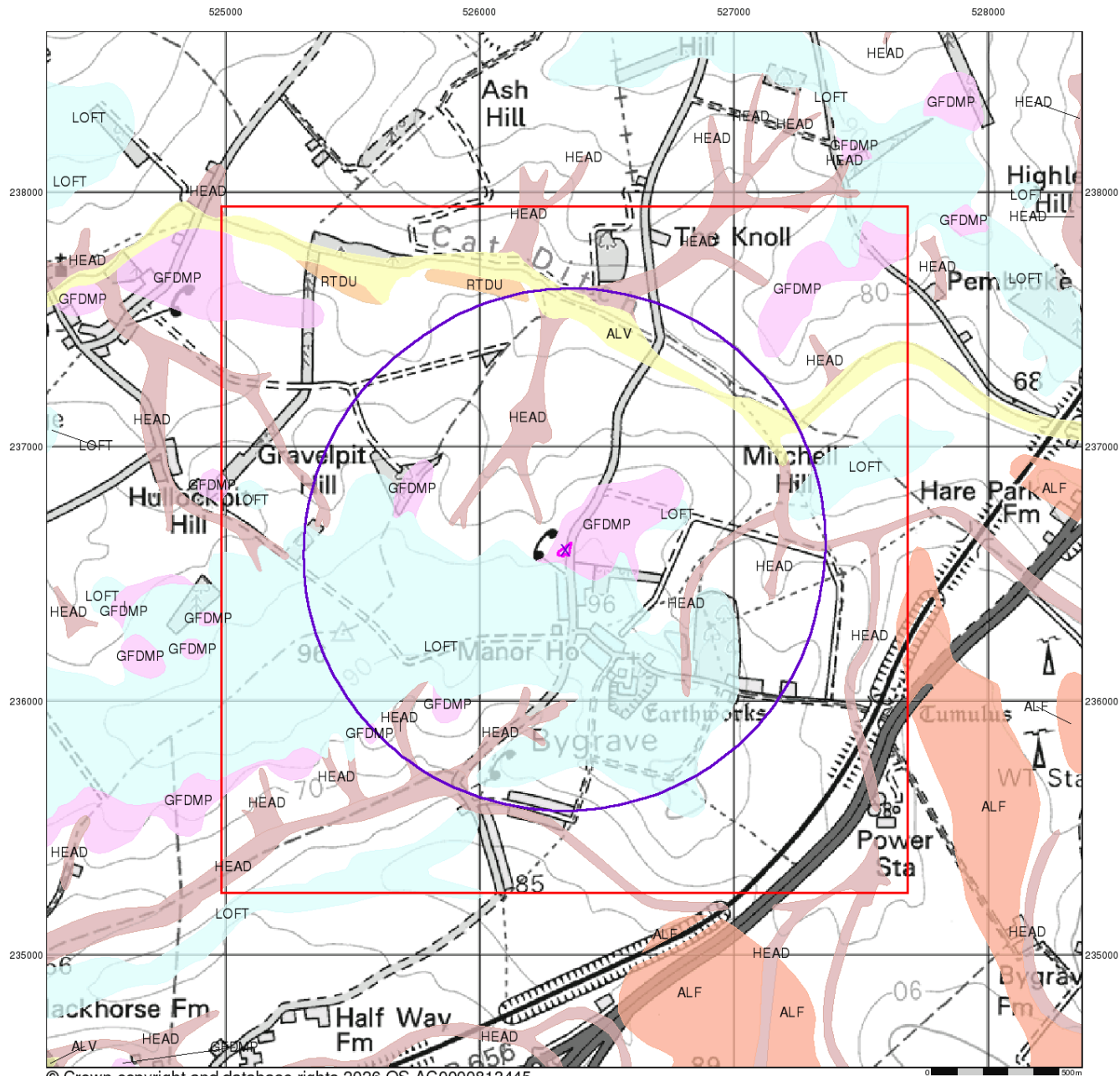
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 Search Buffer (m): 1000

Site Details:

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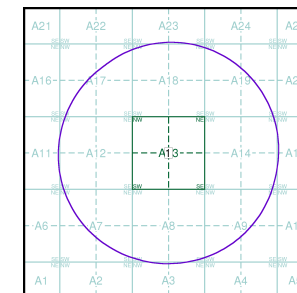
Superficial Geology

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

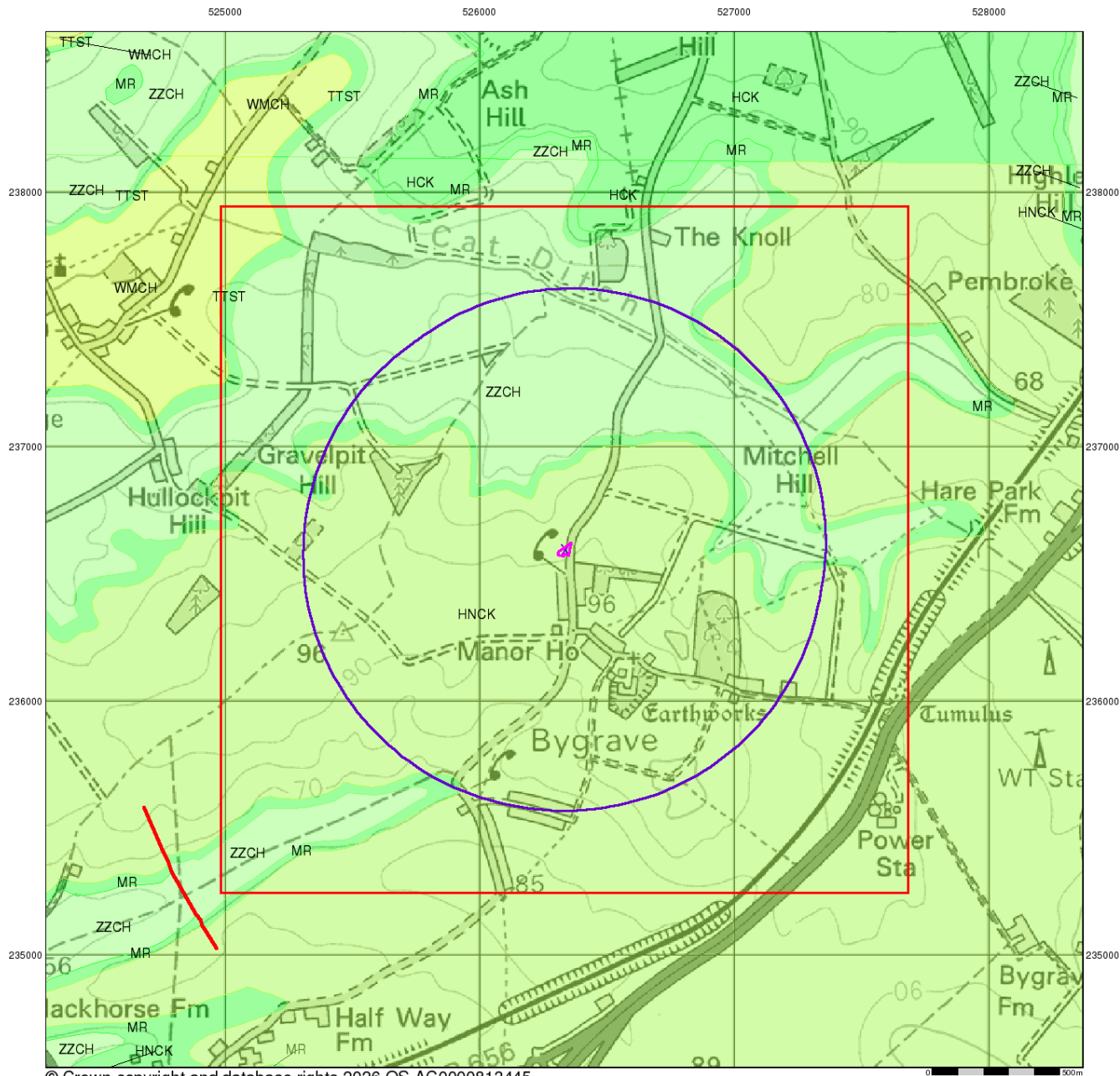


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 Site Area (Ha): 0.14
 Search Buffer (m): 1000

Site Details:

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Bedrock and Faults

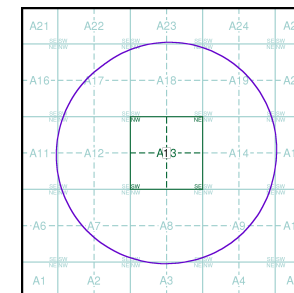
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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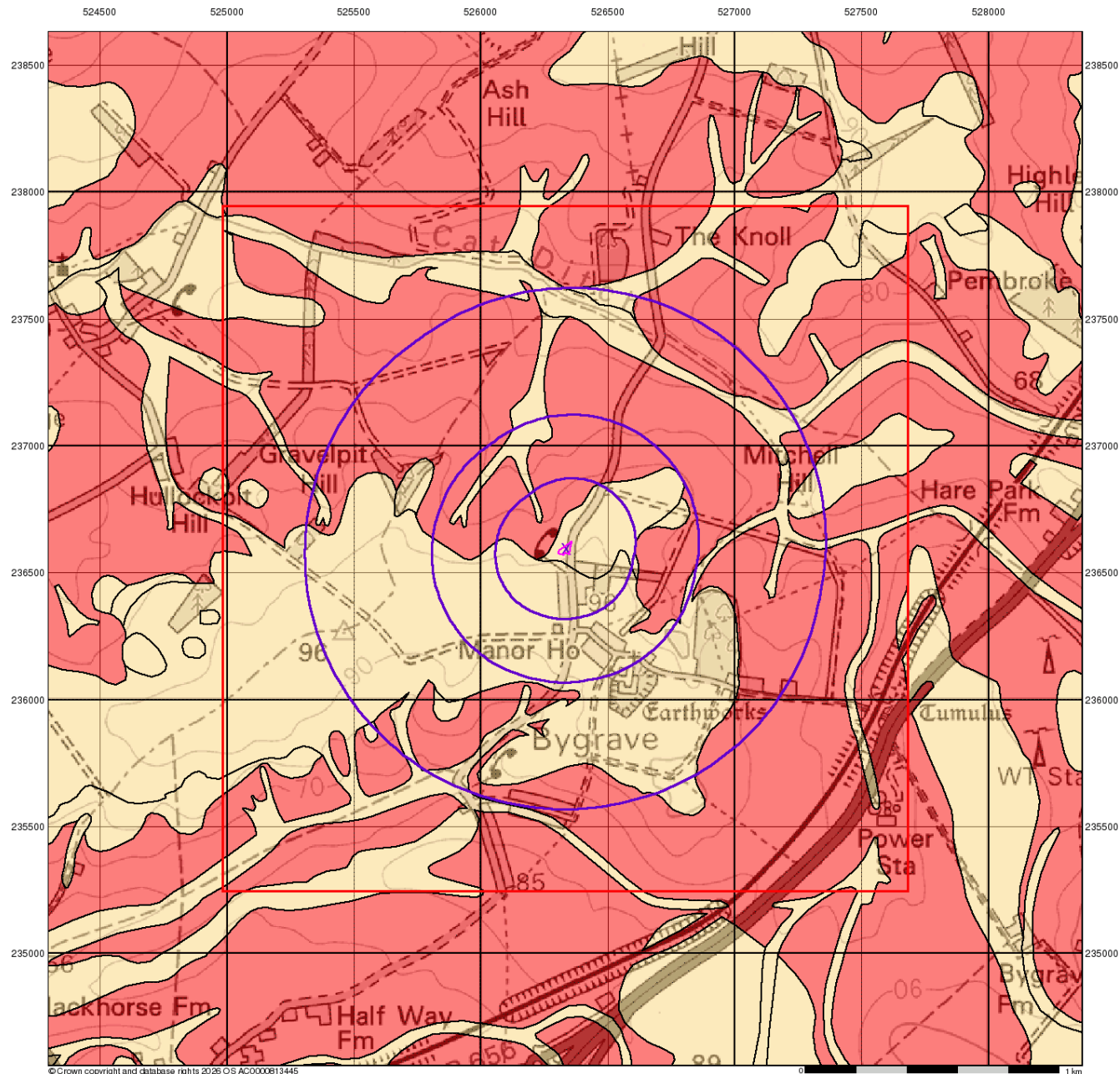
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Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details:

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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

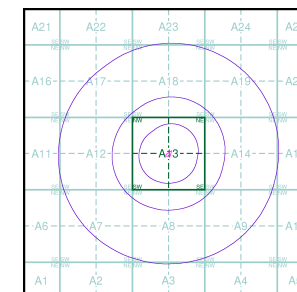
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

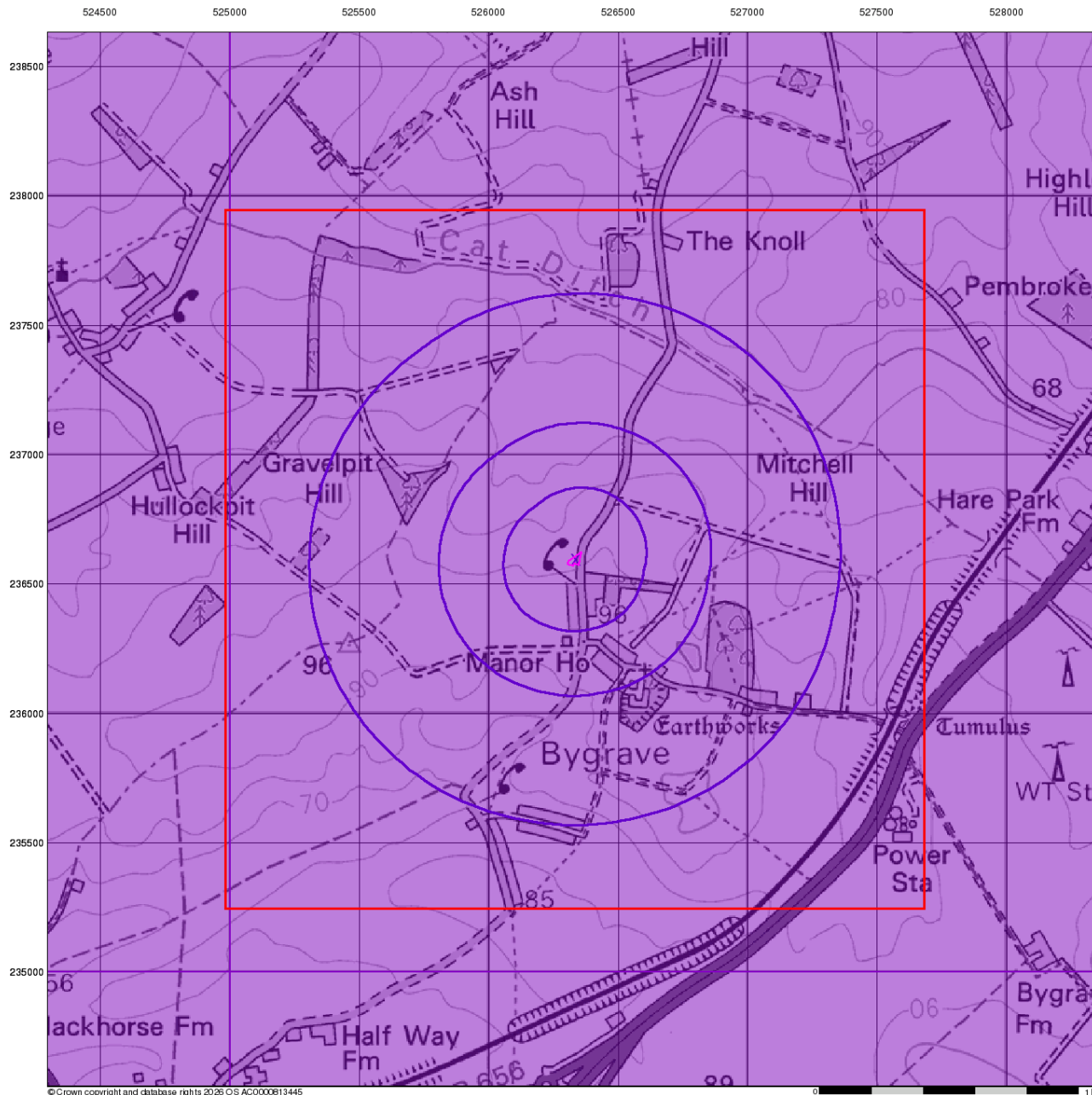
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 Site Area (Ha): 0.14
 Search Buffer (m): 1000

Site Details

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0 1 km



Bedrock Aquifer Designation

General

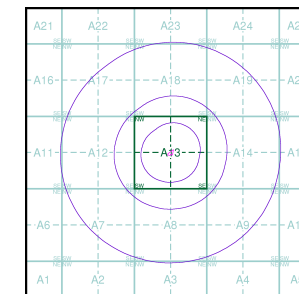
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

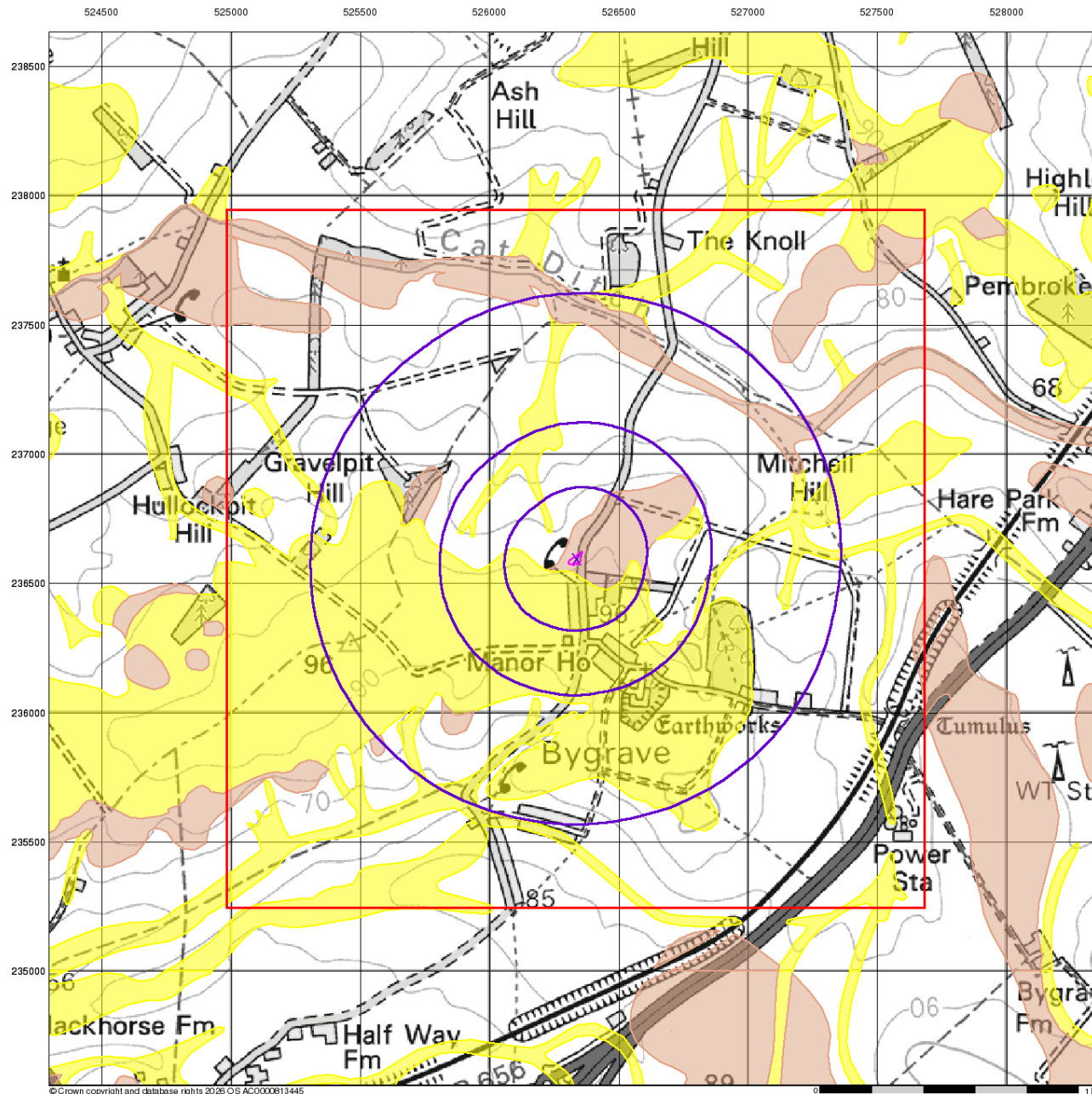
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National Grid Reference: 526340, 236590
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Site Area (Ha): 0.14
Search Buffer (m): 1000

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Superficial Aquifer Designation

General

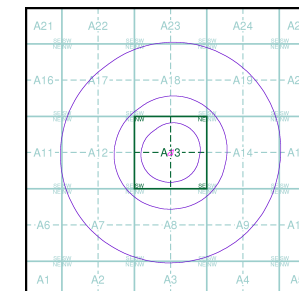
- ✕ Specified Site ○ Specified Buffer(s) ✕ Bearing Reference Point
- Slice ⊗ Map ID

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

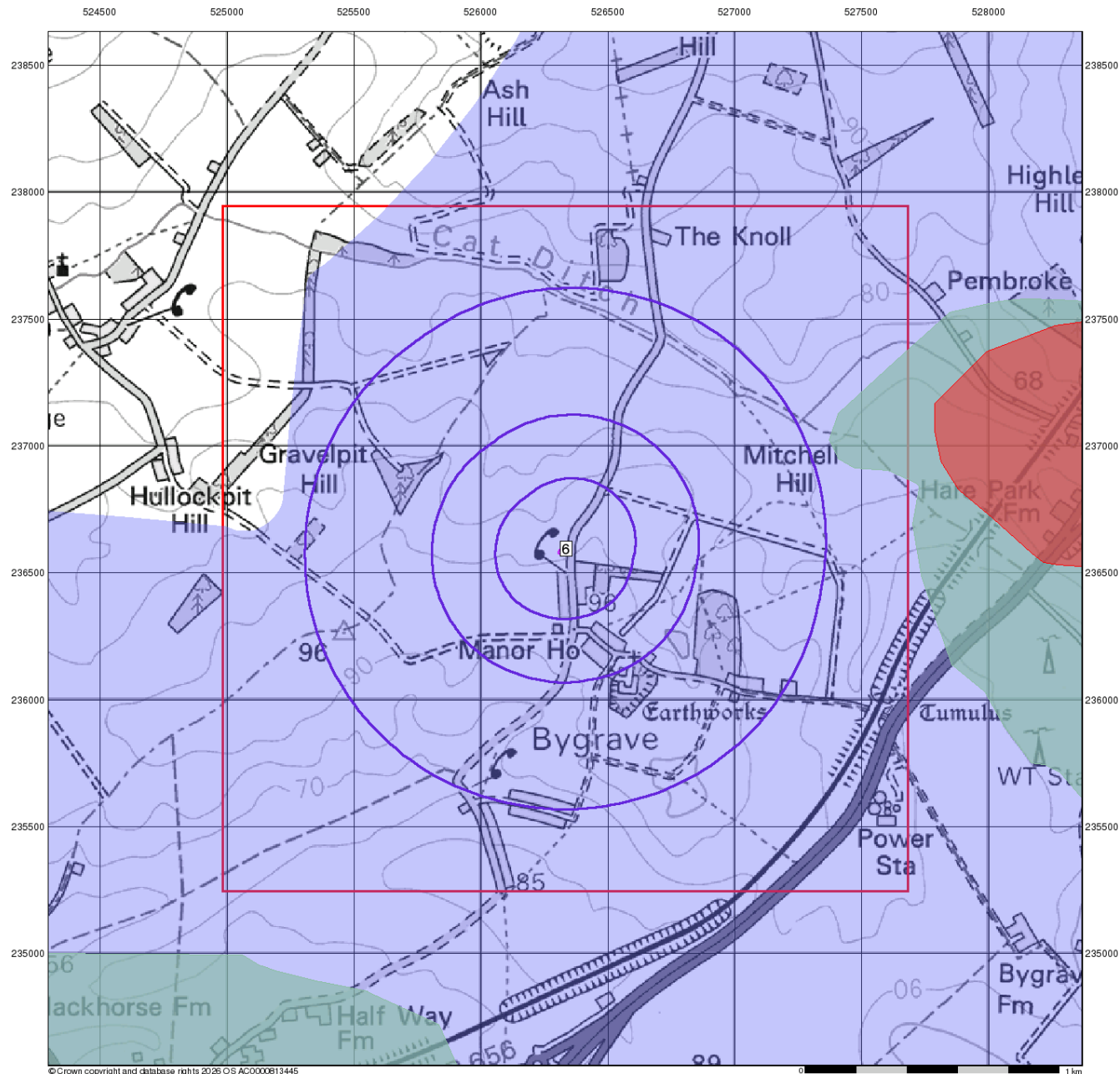
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 Search Buffer (m): 1000

Site Details

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Source Protection Zones

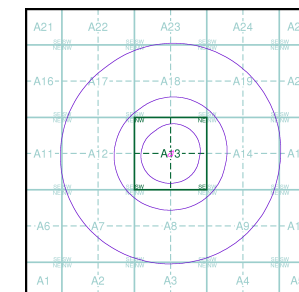
General

- 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

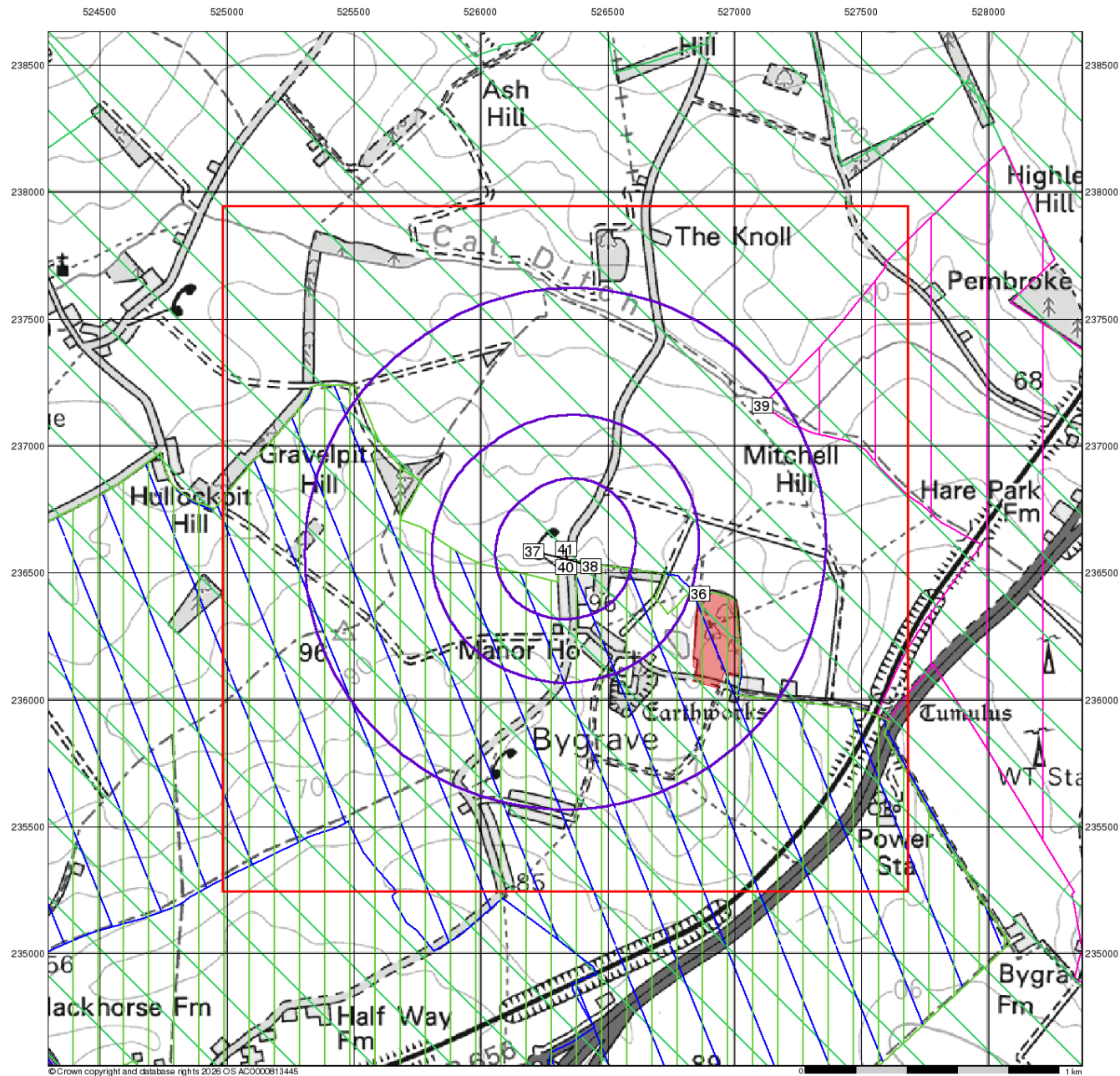


Order Details

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 Customer Ref: J26037
 National Grid Reference: 526340, 236590
 Slice: A
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 Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



Sensitive Land Uses

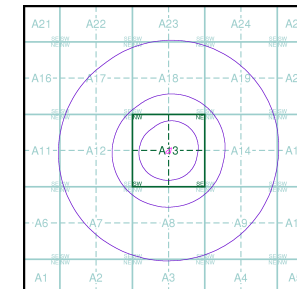
General

- 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

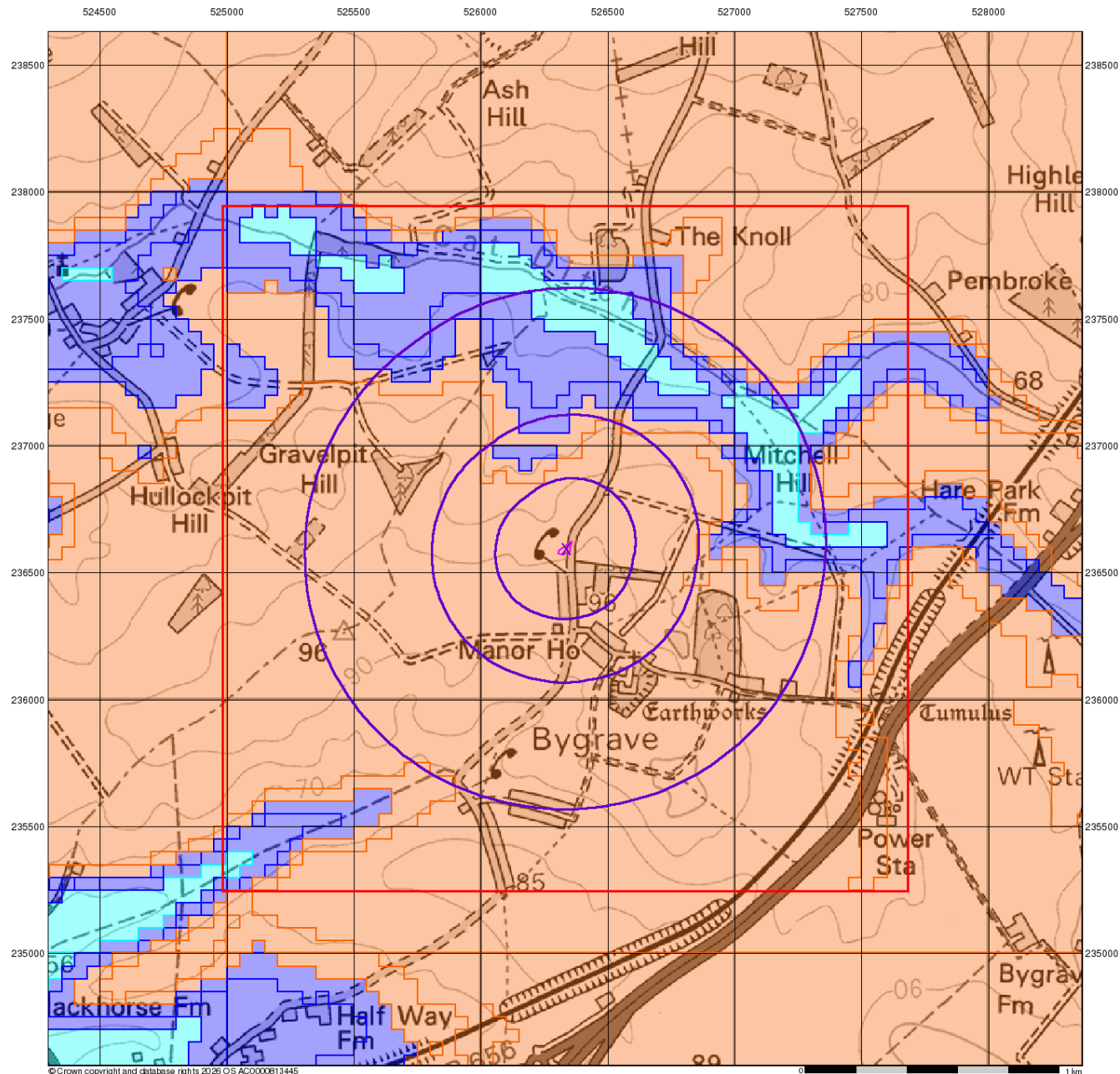


Order Details

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 Customer Ref: J26037
 National Grid Reference: 526340, 236590
 Slice: A
 Site Area (Ha): 0.14
 Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



BGS Flood GFS Data

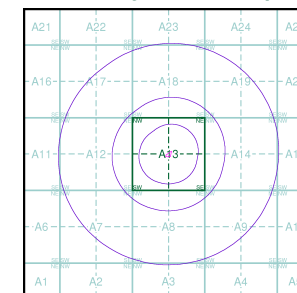
General

- 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

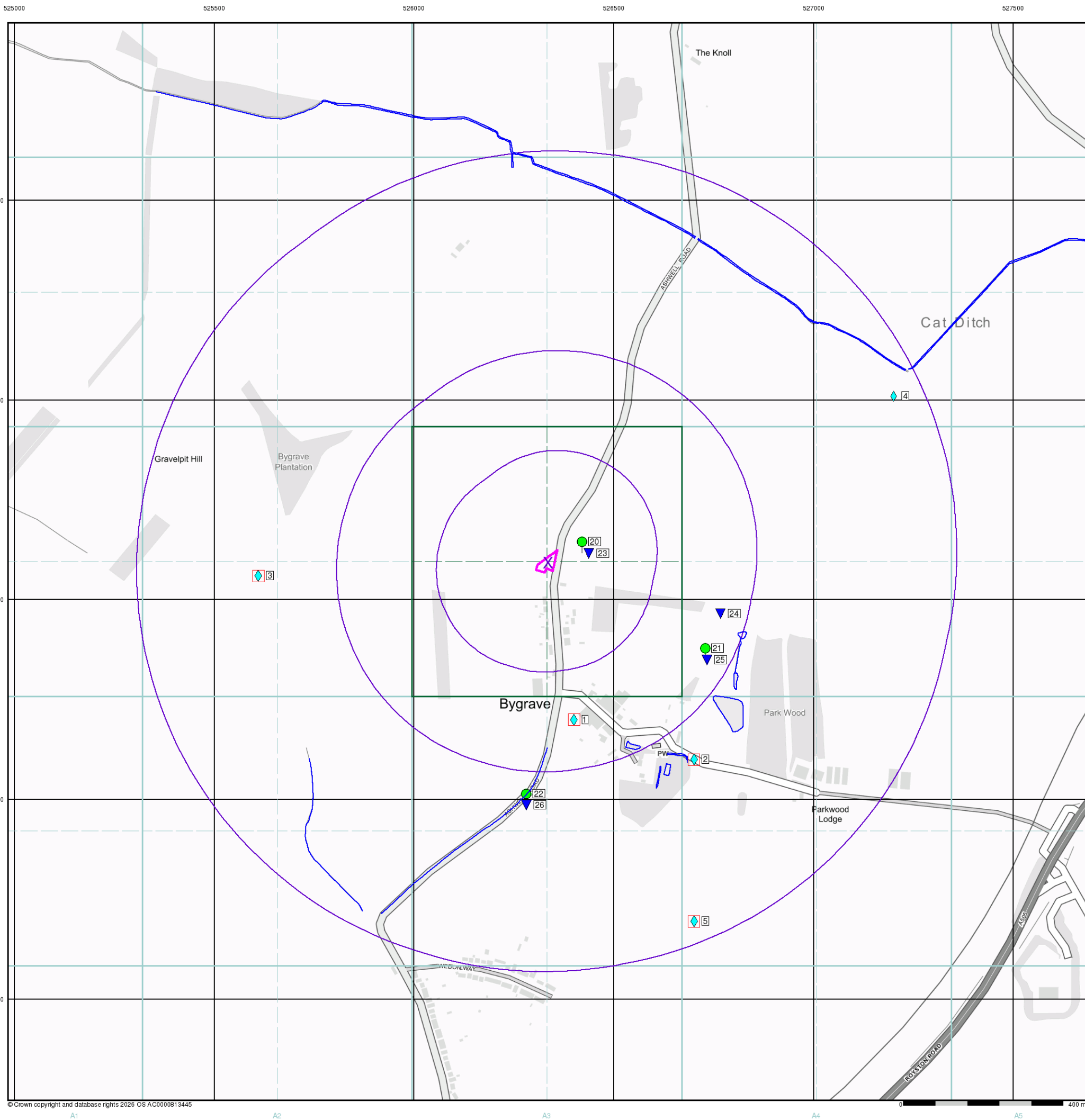
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 Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB

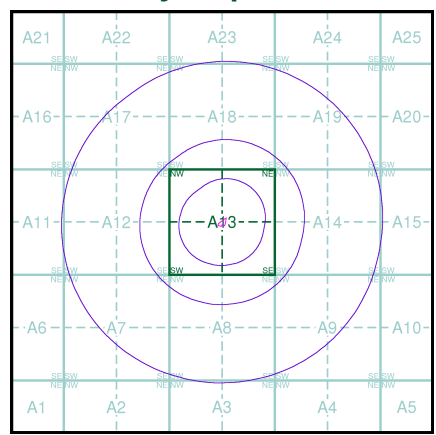


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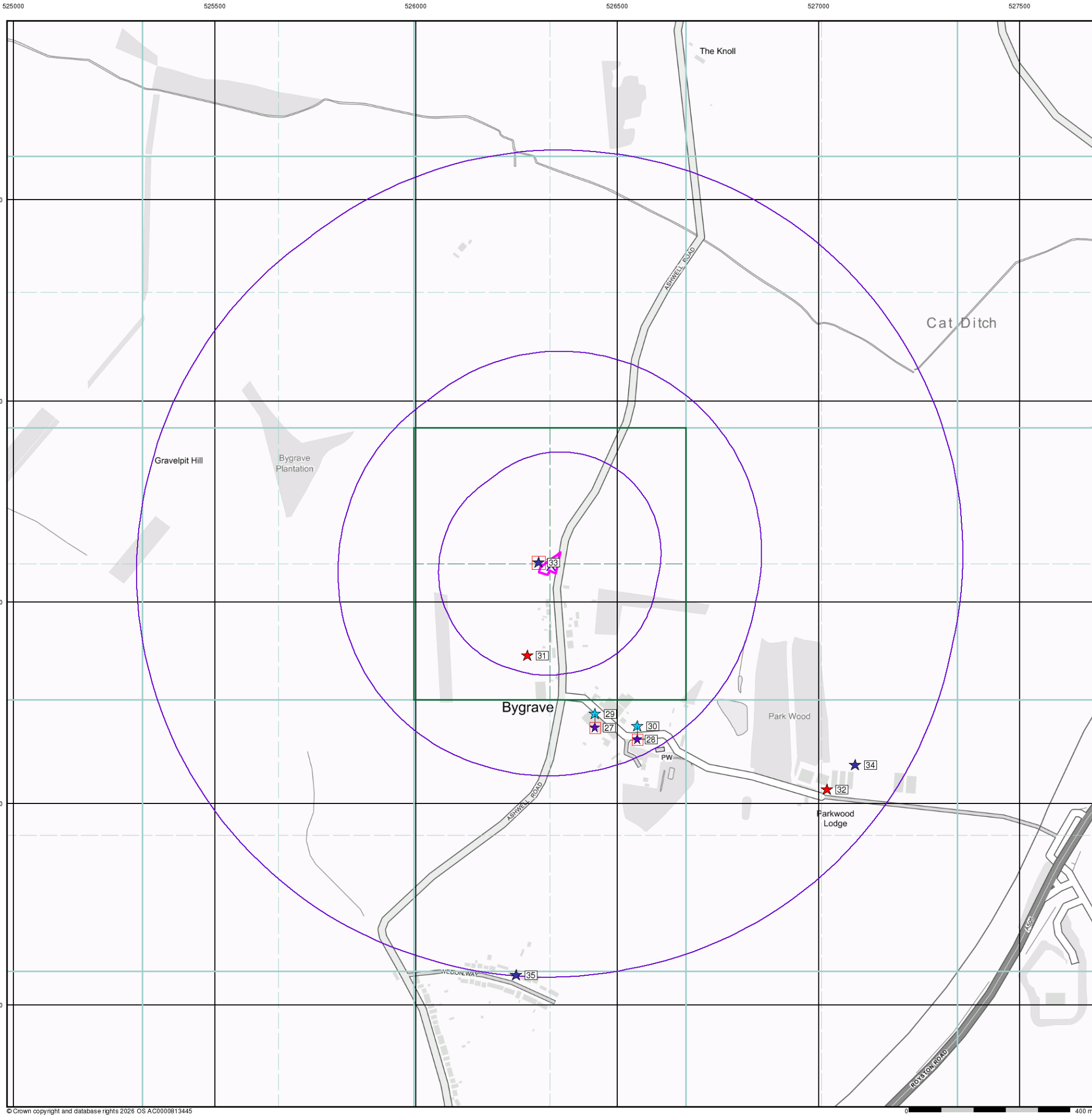
- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition 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
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - 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
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
 - BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



Order Details
Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details
Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



Industrial Land Use Map

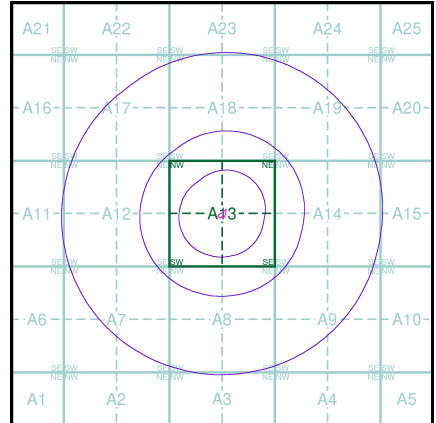
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- 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
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

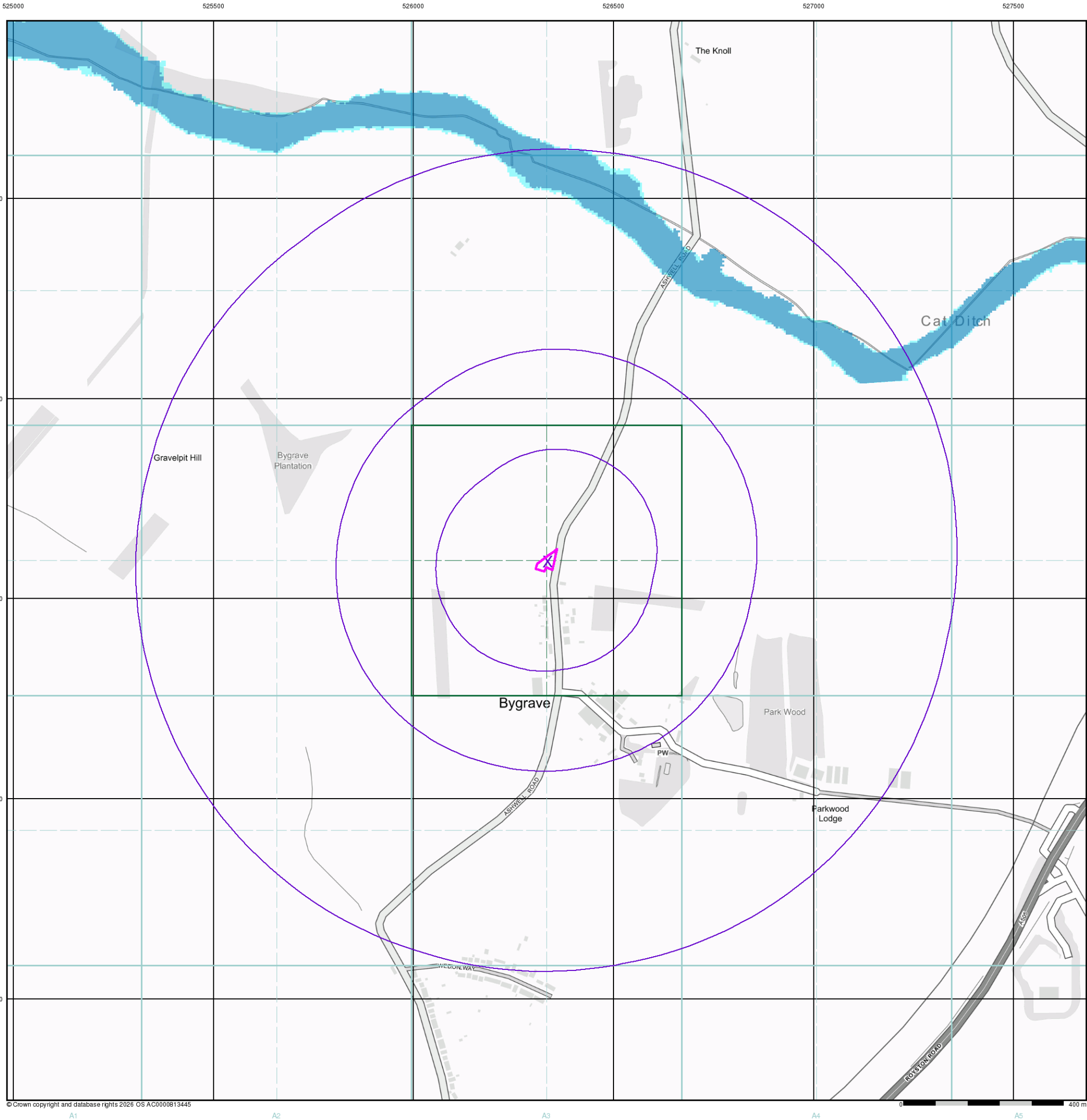
Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



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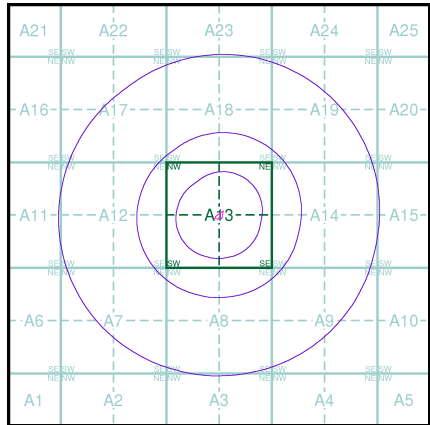
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

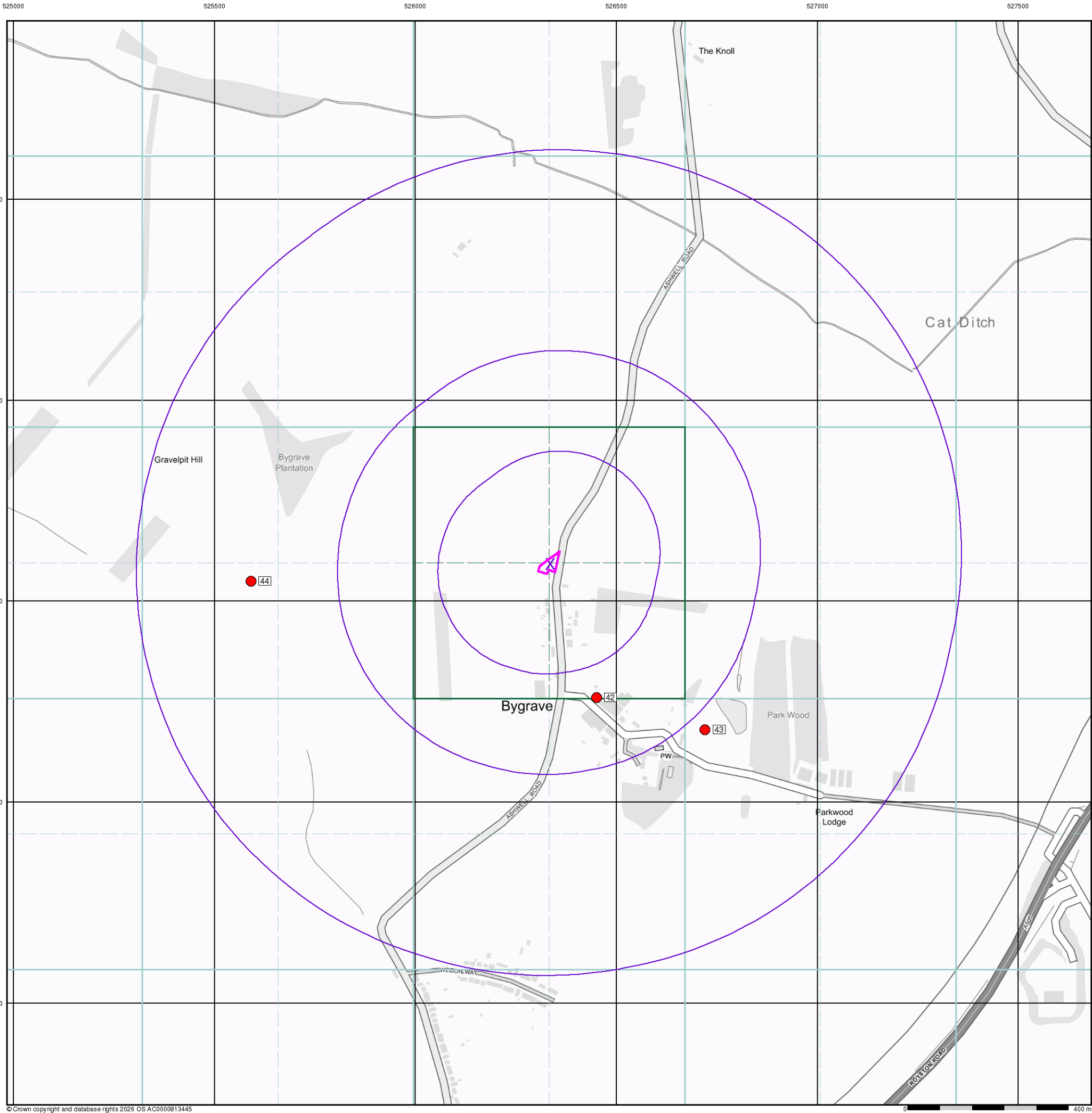
Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



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General

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

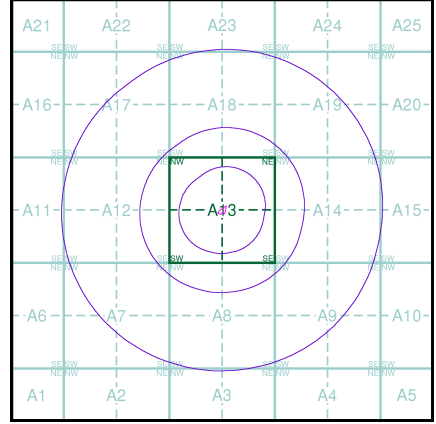
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

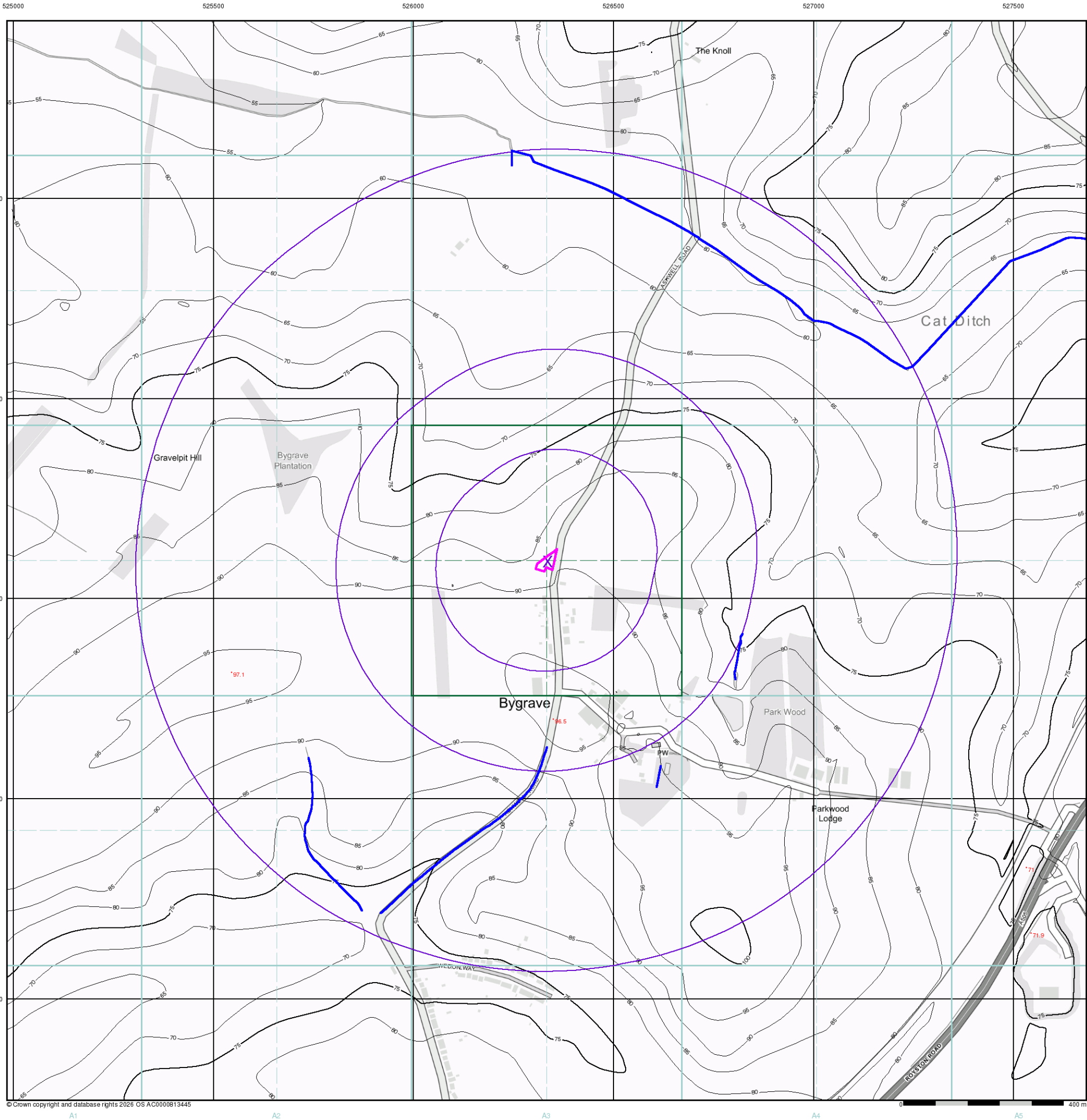
Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



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

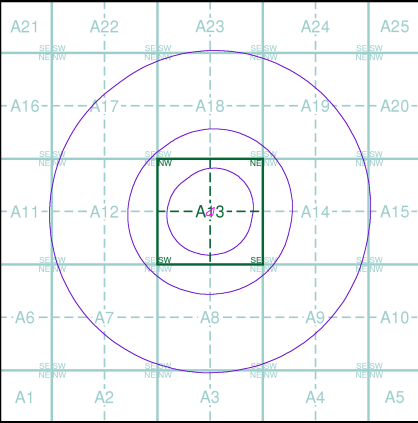


- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point

- OS Water Network Data**
- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

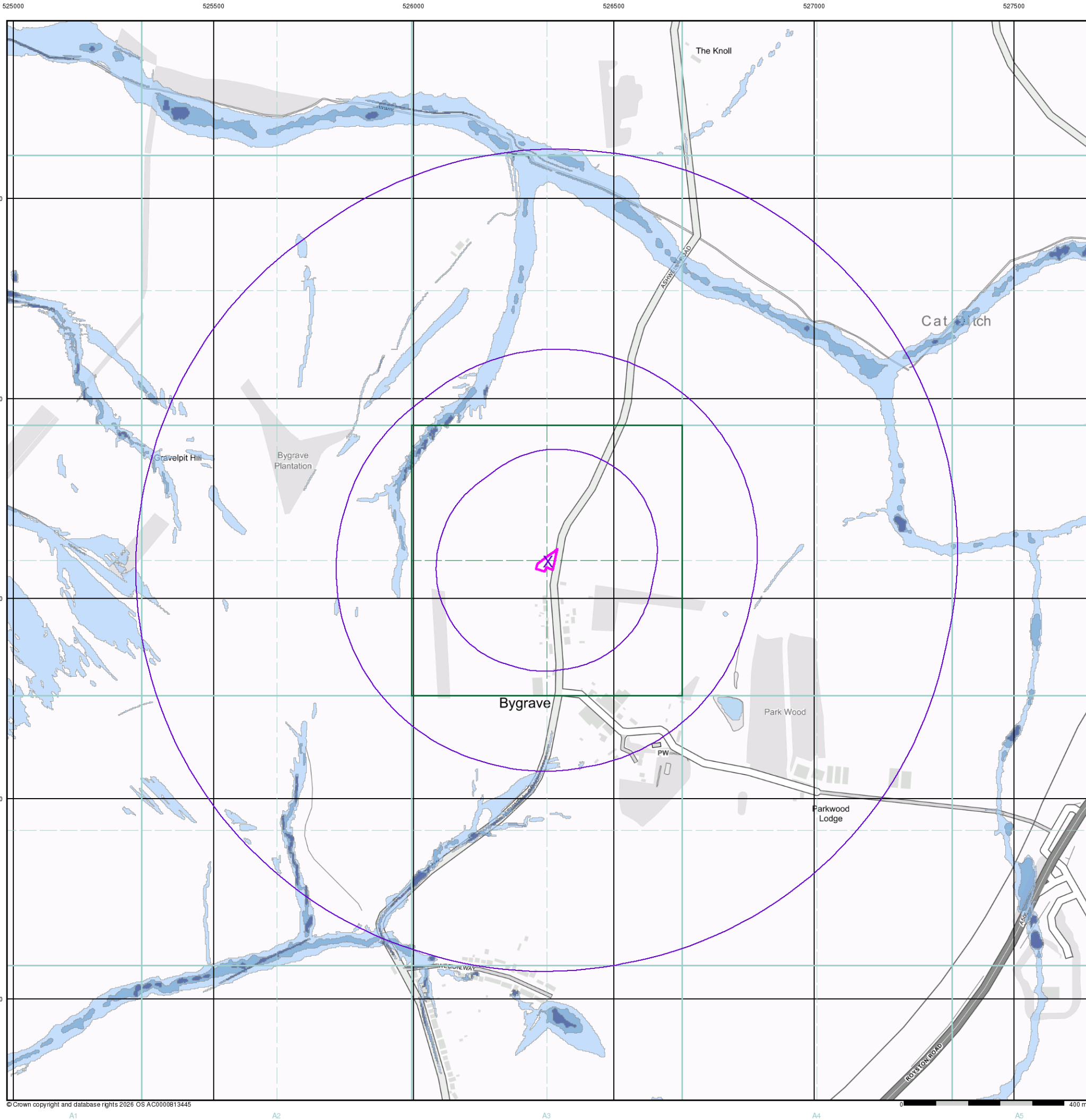
- Contours (height in meters)**
- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



- Order Details**
- Order Number: 395460721_1_1
- Customer Ref: J26037
- National Grid Reference: 526340, 236590
- Slice: A
- Site Area (Ha): 0.14
- Search Buffer (m): 1000

- Site Details**
- Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Risk of Flooding from Surface Water

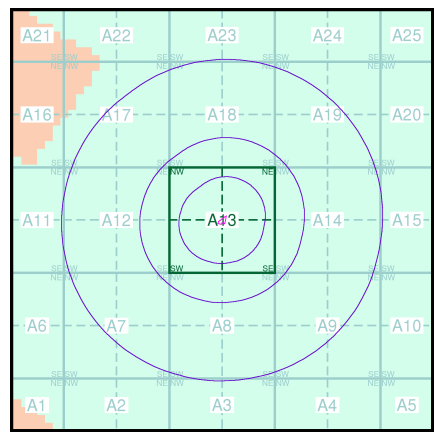
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A

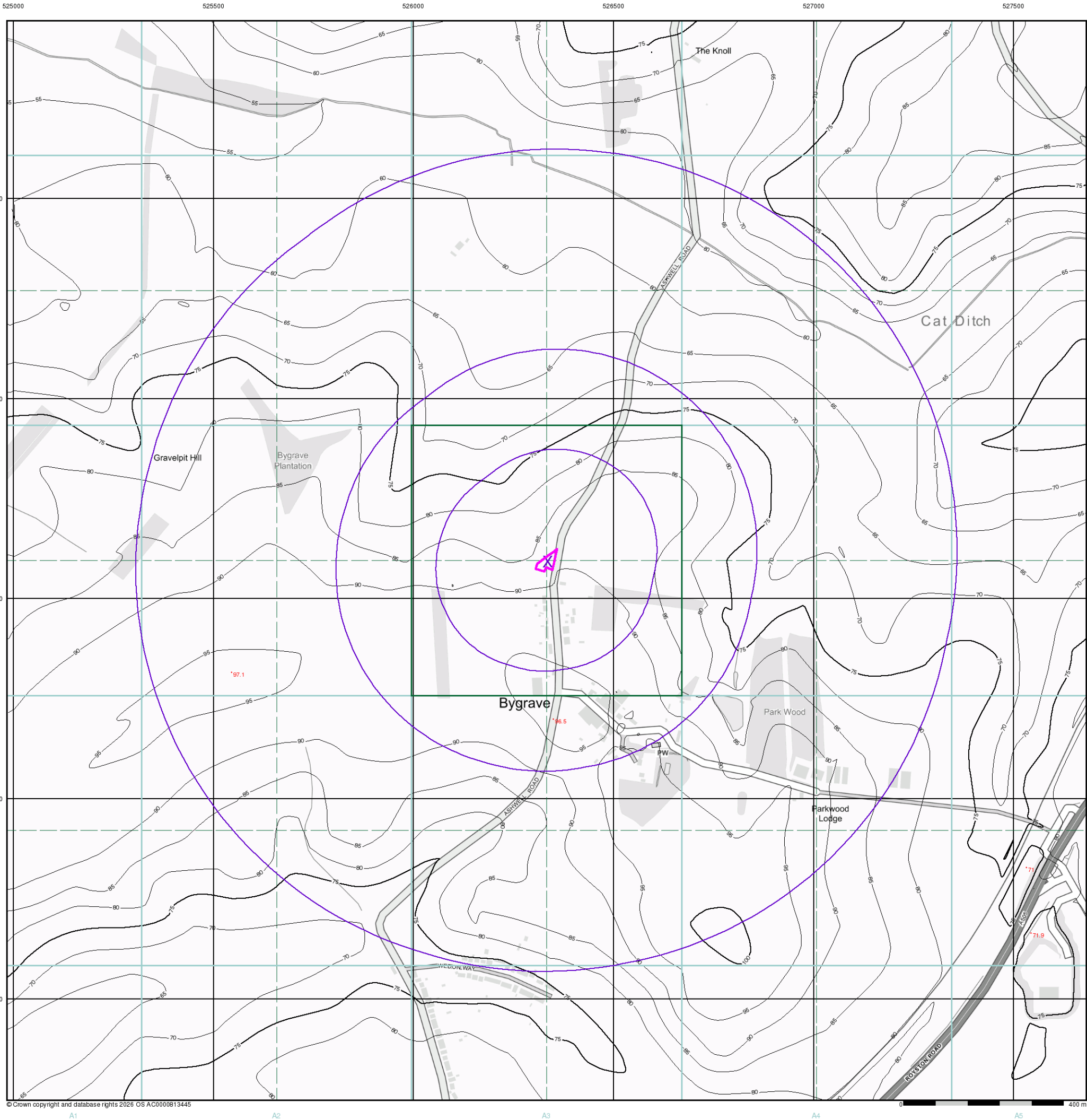


Order Details

Order Number:	395460721_1_1
Customer Ref:	J26037
National Grid Reference:	526340, 236590
Slice:	A
Site Area (Ha):	0.14
Search Buffer (m):	1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



WFD Surface Waters Map

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

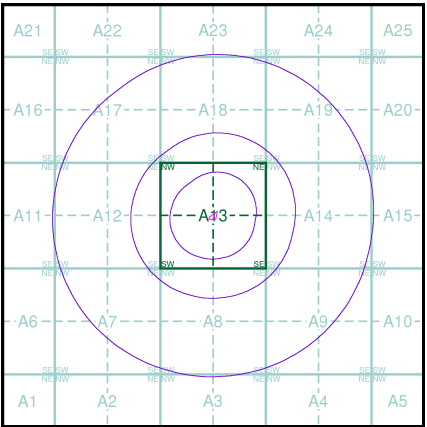
Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
- MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



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

**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
Historical Prosecutions
Prosecutions
Registered Radioactive Substance
River Network or Water Feature
Substantiated Pollution Incident Register
Water Abstraction
Water Industry Act Referral

Waste

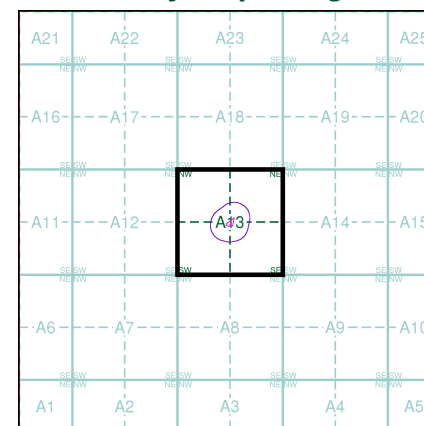
- BGS Recorded Landfill Site (Location)
BGS Recorded Landfill Site
EA Historic Landfill (Buffered Point)
EA Historic Landfill (Polygon)
Integrated Pollution Control Registered Waste Site
Licensed Waste Management Facility (Landfill Boundary)
Licensed Waste Management Facility (Location)
Local Authority 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
NIHHS Site
Planning Hazardous Substance Consent
Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13**Order Details**

Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Plot Buffer (m): 100

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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Historical Mapping Legends

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

	Quarry		Gravel Pit		Sand Pit
	Clay Pit		Shingle		Refuse Heap
	Sloping Masonry		Flat Rock		
	Marsh		Reeds		Osiers
	Rough Pasture		Furze		Wood
	Mixed Wood		Brushwood		Orchard
	Fir		Ford		Stepping Stones
	Ferry		Waterfall		Lock
	Trig. Station		Altitude at Trig. Station		
	Bench Mark		Surface Level		
	Arrow denotes flow of water		Antiquities (site of)		
	Cutting		Embankment		
	Railway crossing Road		Level Crossing		Road crossing Railway
	Railway crossing River or Canal		Road over single stream		Road over River or Canal
-----	County Boundary (Geographical)				
- . - . - .	County & Civil Parish Boundary				
+ + + + +	Administrative County & Civil Parish Boundary				
-----	County Borough Boundary (England)				
Co. Boro. Bdy.	County Burgh Boundary (Scotland)				
B.P. B.S.	Boundary Post or Stone	P.C.B.	Police Call Box		
B.R.	Bridle Road	P	Pump		
E.P.	Electricity Pylon	S.P.	Signal Post		
F.B.	Foot Bridge	SL	Sluice		
F.P.	Foot Path	Sp.	Spring		
G.P.	Guide Post or Board	T.C.B.	Telephone Call Box		
M.S.	Mile Stone	Tr.	Trough		
M.P. M.R.	Mooring Post or Ring	W	Well		

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

	Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit
	Rock		Boulders
	Cliff		Slopes
	Roofed Building		Glazed Roof Building
	Sloping Masonry		Archway
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Bench Mark
	Cave Entrance		Triangulation Station
	Electricity Transmission Line		Electricity Pylon
BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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

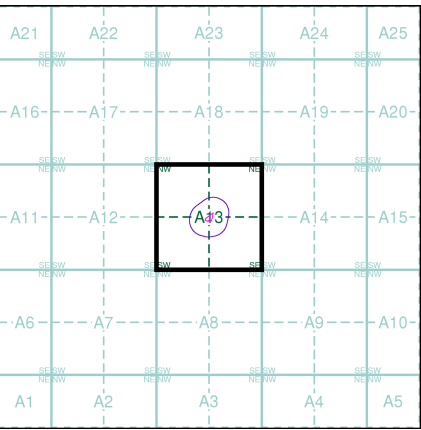
	Cliff		Slopes
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Positioned Boulder		Scree
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Triangulation Station
	Electricity Transmission Line		Electricity Pylon
	Bench Mark		Buildings with Building Seed
	Roofed Building		Glazed Roof Building
.....	Civil parish/community boundary		
---	District boundary		
- . - . - .	County boundary		
.	Boundary post/stone		
	Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)		
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governor	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hertfordshire	1:2,500	1877	2
Hertfordshire	1:2,500	1898	3
Hertfordshire	1:2,500	1922 - 1924	4
Hertfordshire	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1969 - 1975	6
Large-Scale National Grid Data	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1995	8
Historical Aerial Photography	1:2,500	1999	9

Historical Map - Segment A13



Order Details

Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Borough Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Coppice
	Marsh		Heath
	Reeds		Rough Grassland
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Direction of Flow of Water
	Pylon		Electricity Transmission Line
	Pole		
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		
	Standard Gauge Single Track		
	Siding, Tramway or Mineral Line		
	Narrow Gauge		
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency		
	Civil Parish		
	Shown only when not coincident with other boundaries		
	Shown alternately when coincidence of boundaries occurs		
	Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

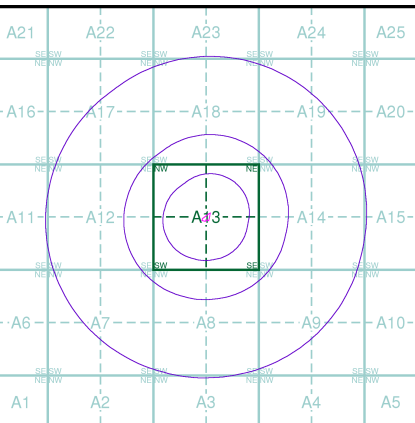
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hertfordshire	1:10,560	1882 - 1884	2
Bedfordshire	1:10,560	1884 - 1887	3
Hertfordshire	1:10,560	1899	4
Bedfordshire	1:10,560	1901	5
Bedfordshire	1:10,560	1925	6
Hertfordshire	1:10,560	1925	7
Hertfordshire	1:10,560	1925	8
Hertfordshire	1:10,560	1937 - 1947	9
Bedfordshire	1:10,560	1938	10
Hertfordshire	1:10,560	1947	11
Bedfordshire	1:10,560	1950	12
Ordnance Survey Plan	1:10,000	1960	13
Ordnance Survey Plan	1:10,000	1968	14
Ordnance Survey Plan	1:10,000	1970	15
Ordnance Survey Plan	1:10,000	1983 - 1986	16
10K Raster Mapping	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2025	19

Historical Map - Slice A



Order Details

Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



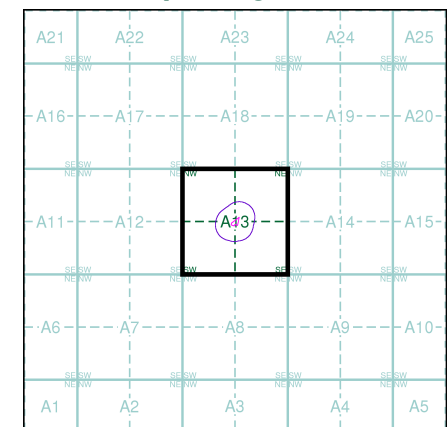
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

**Hertfordshire****Published 1877****Source map scale - 1:2,500**

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

Map Name(s) and Date(s)

003_16 1877 1:2,500	004_13 1877 1:2,500
007_04 1877 1:2,500	008_01 1877 1:2,500

Historical Map - Segment A13**Order Details**

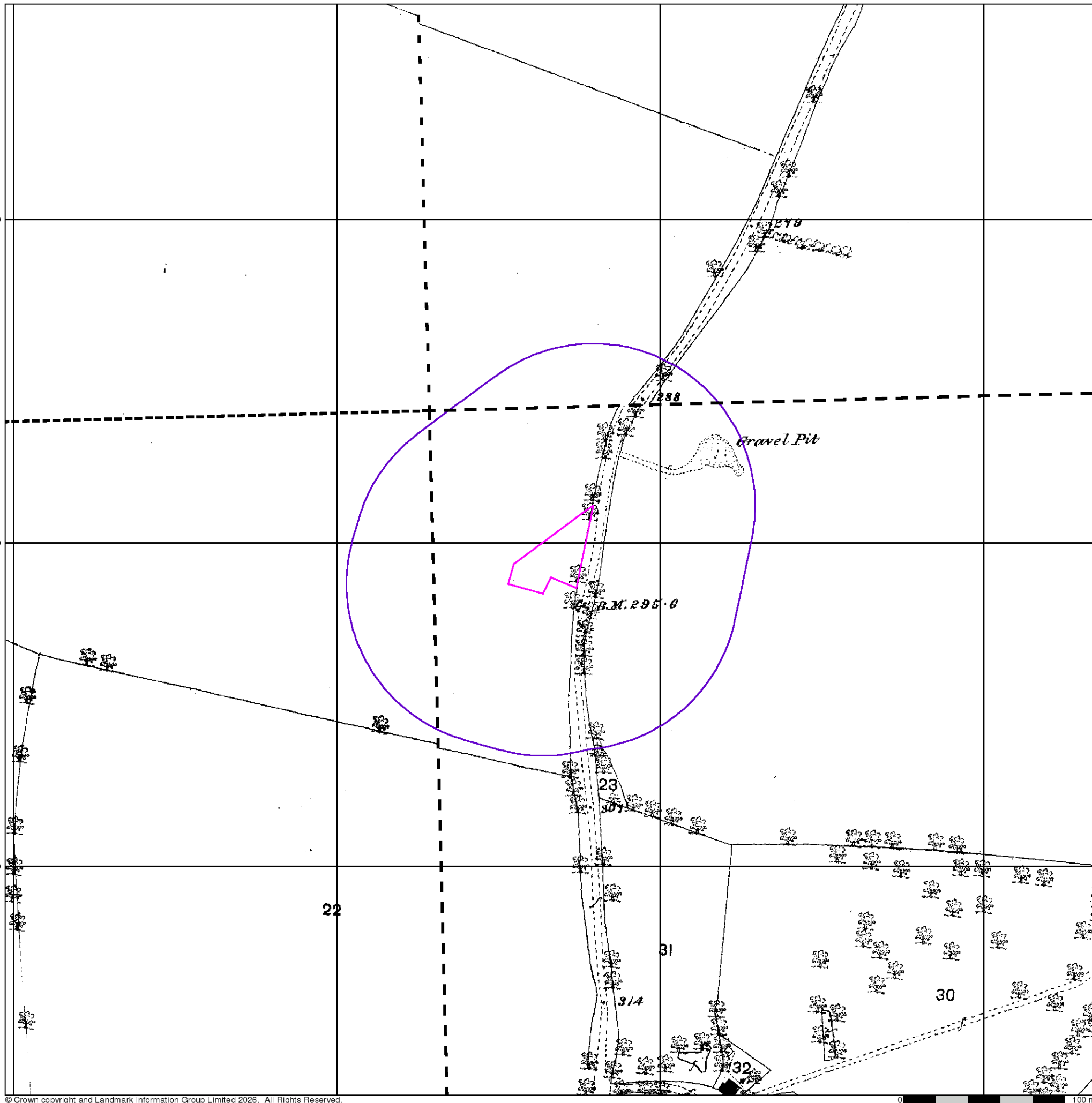
Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

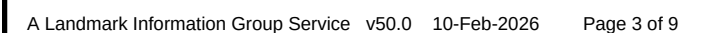
Site Details

Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB

Landmark
INFORMATION GROUP

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







Hertfordshire

Published 1922 - 1924

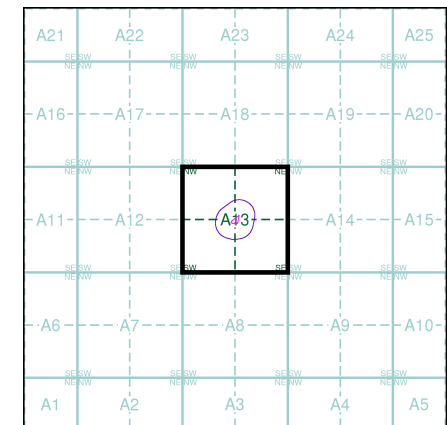
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

003_16 1924 1:2,500	004_13 1924 1:2,500
007_04 1922 1:2,500	008_01 1923 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

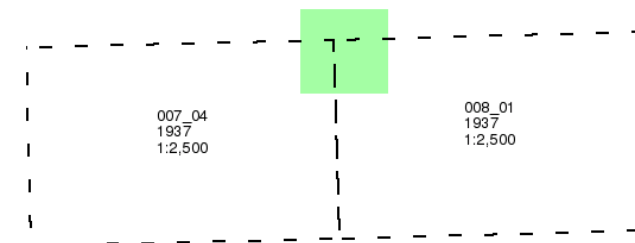
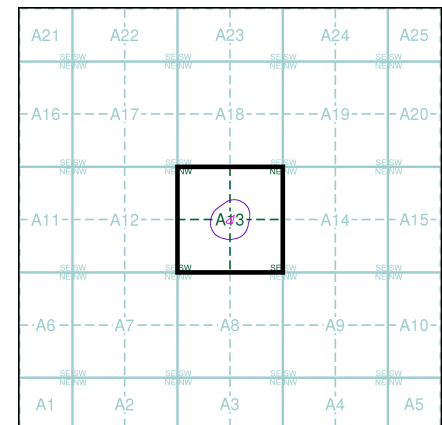
Herts Native Trees, Ashwell Road, Bygrave, Baldock, SG7 5EB



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**Hertfordshire****Published 1937****Source map scale - 1:2,500**

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

Map Name(s) and Date(s)**Historical Map - Segment A13****Order Details**

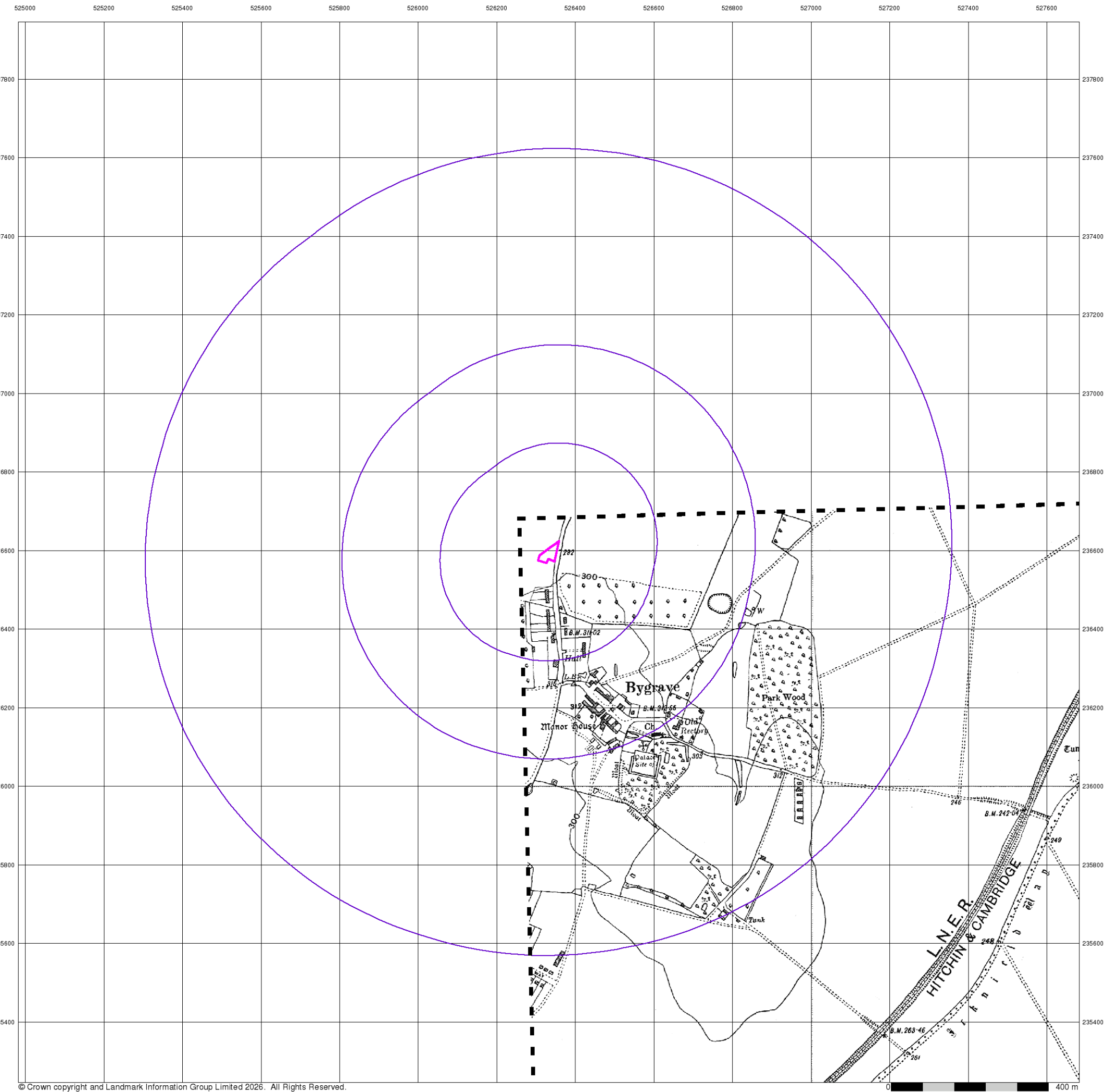
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National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

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Landmark
INFORMATION GROUP

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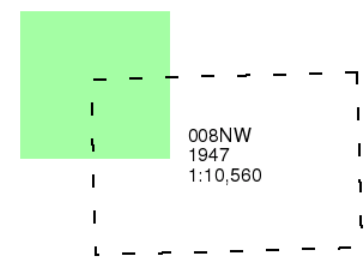
Hertfordshire

Published 1947

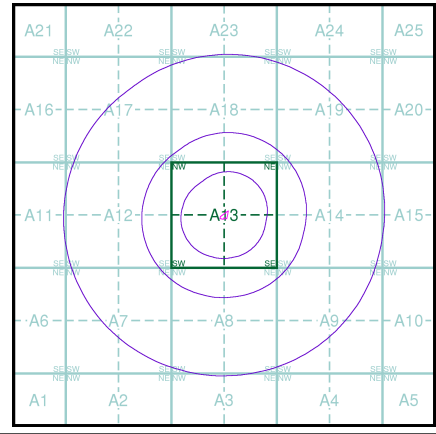
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

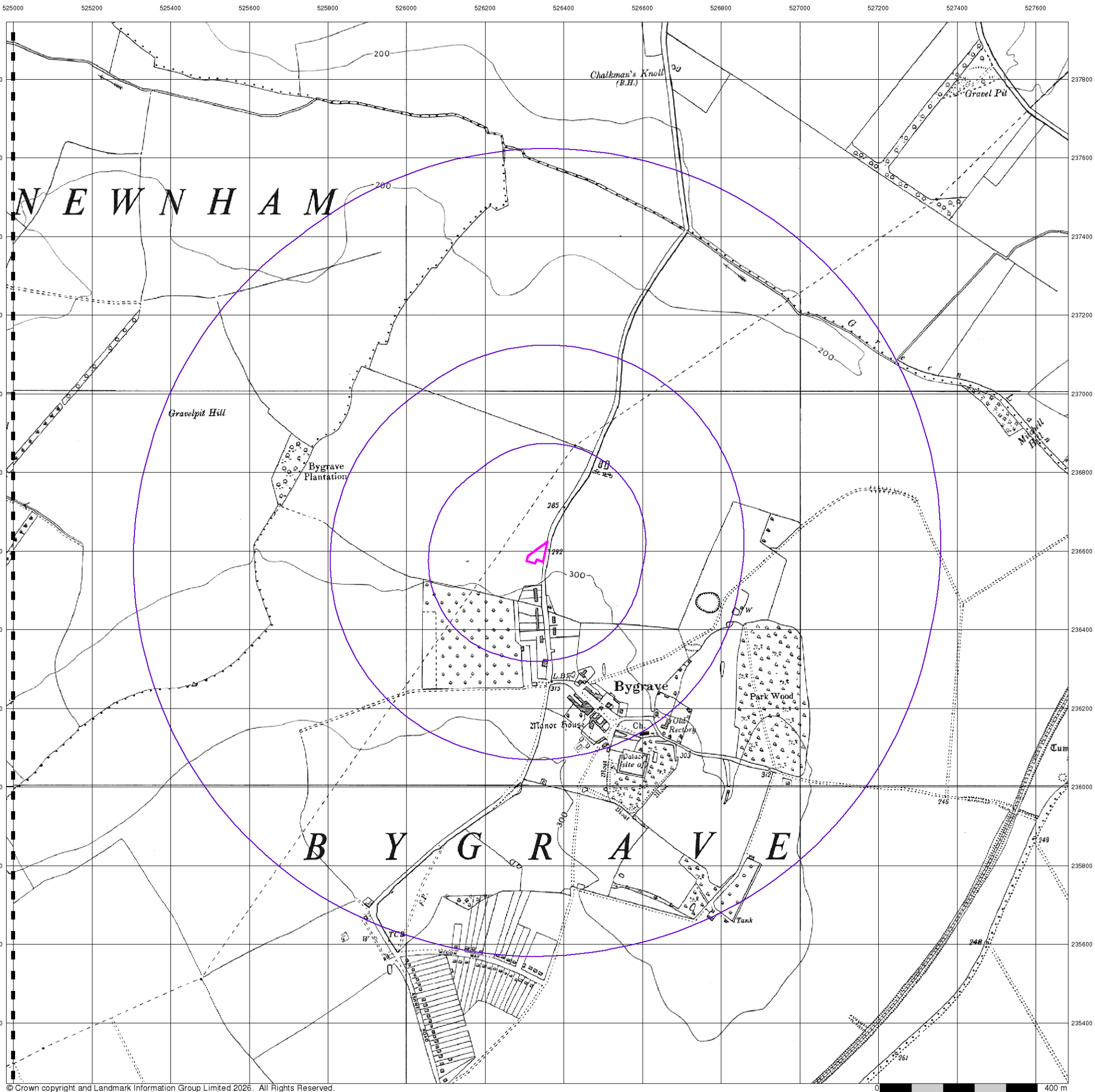
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Site Details

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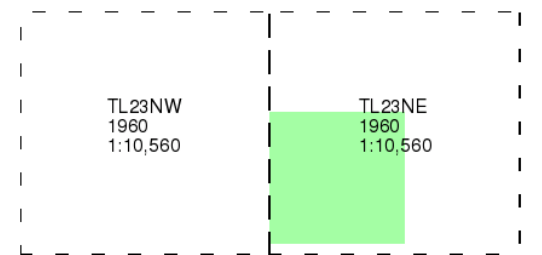
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



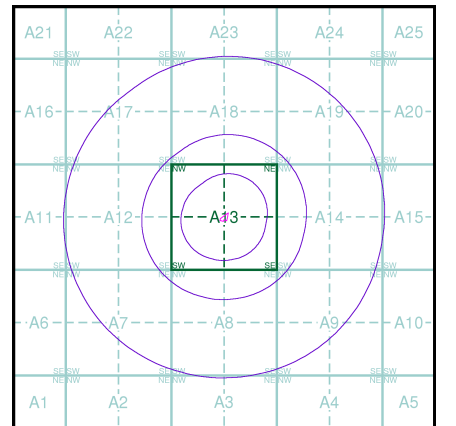
Ordnance Survey Plan
Published 1960
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
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Site Details

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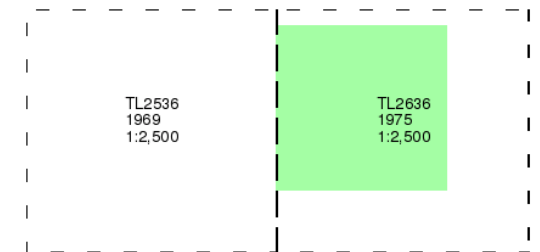
Ordnance Survey Plan

Published 1969 - 1975

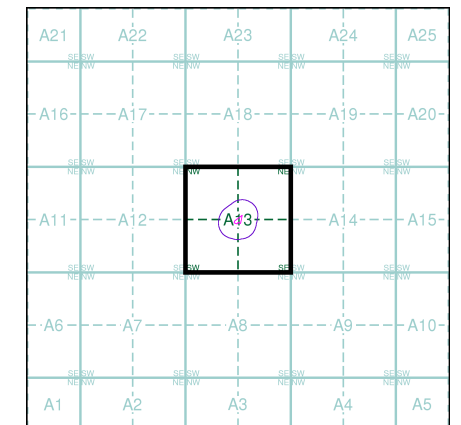
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

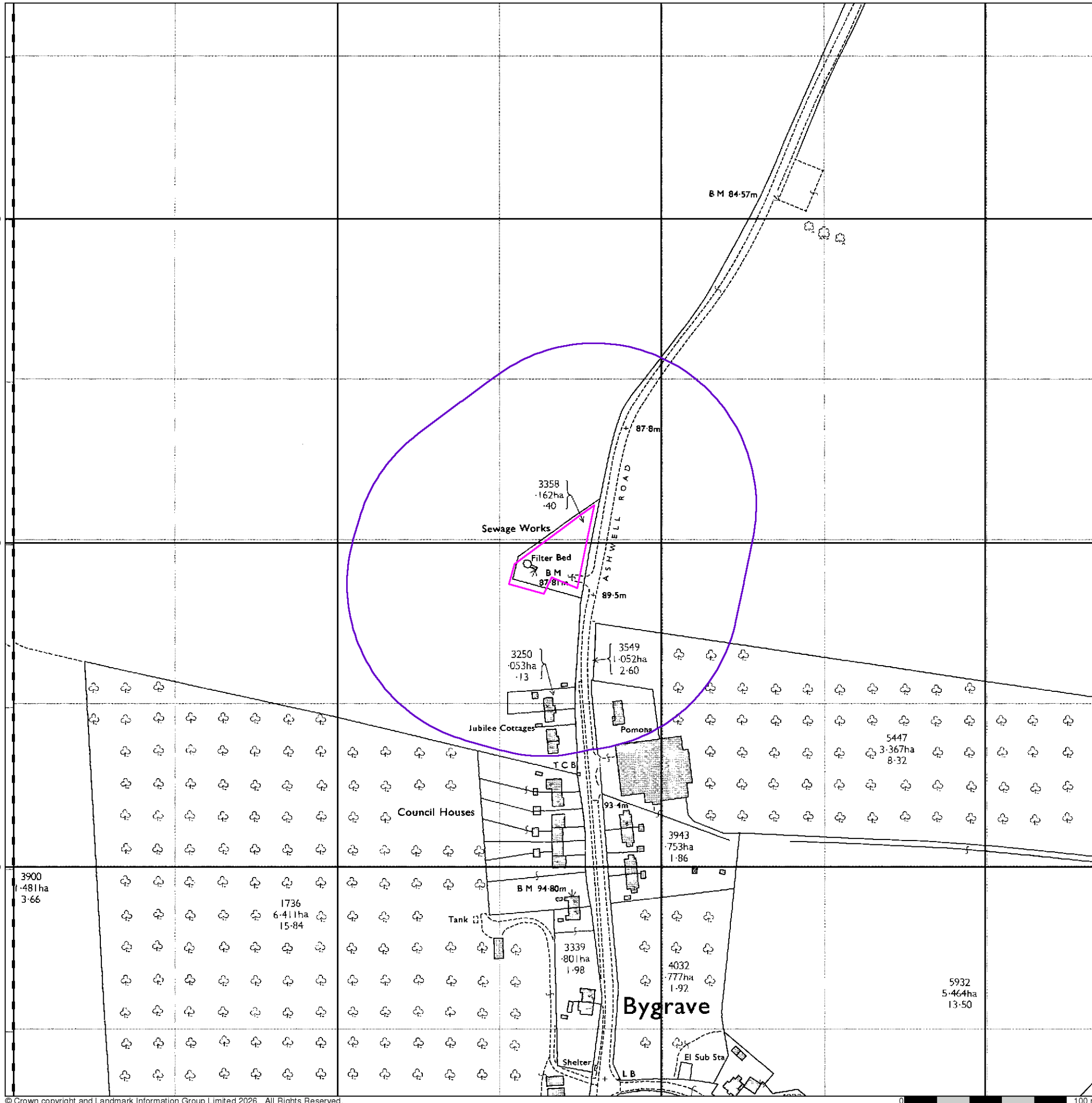
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 Search Buffer (m): 100

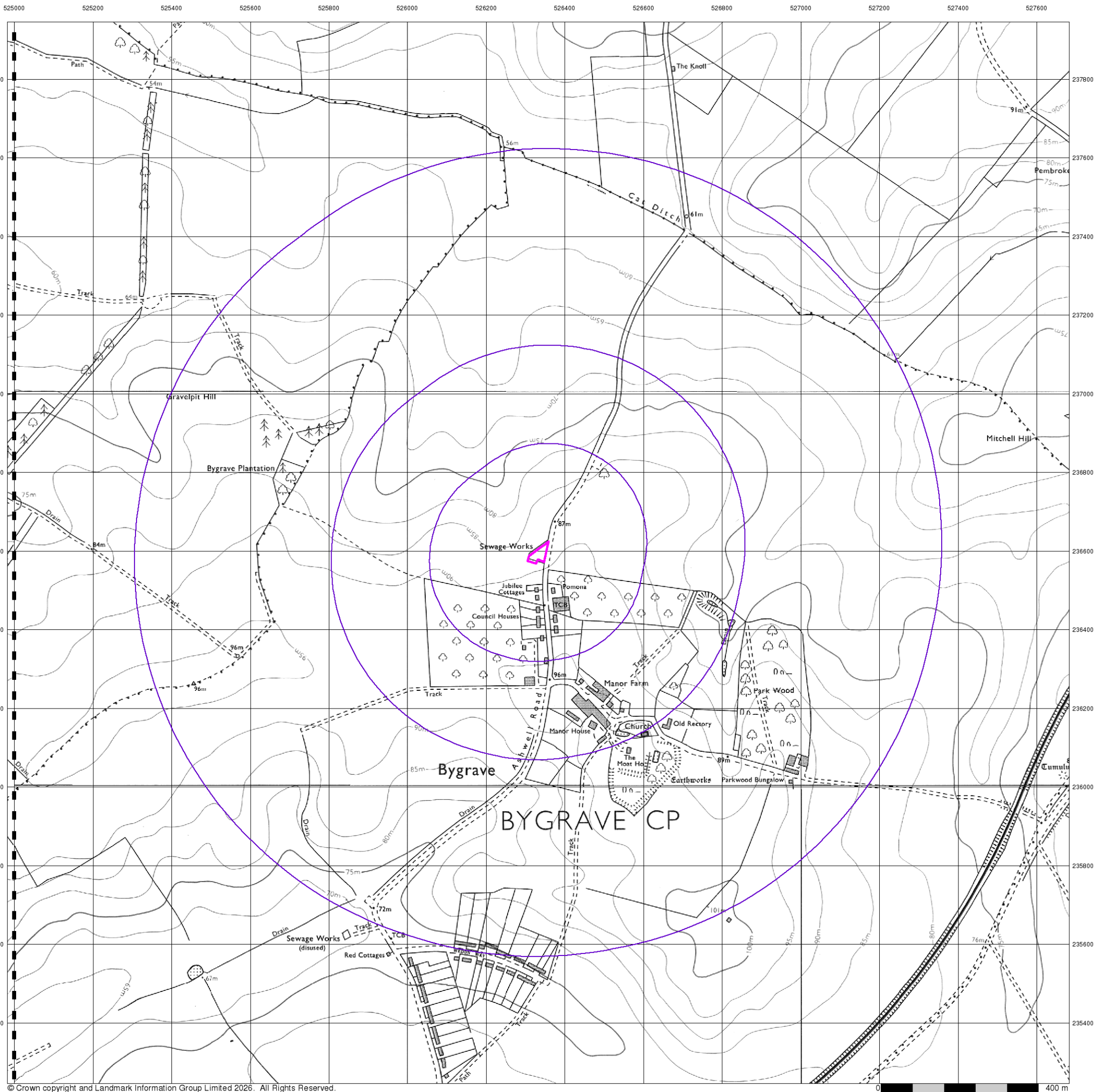
Site Details

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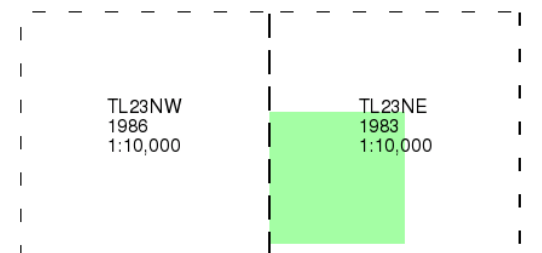
Ordnance Survey Plan

Published 1983 - 1986

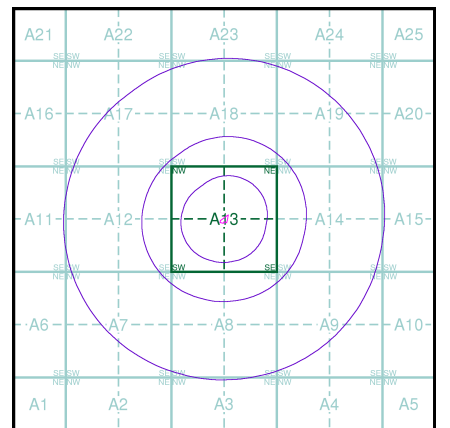
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

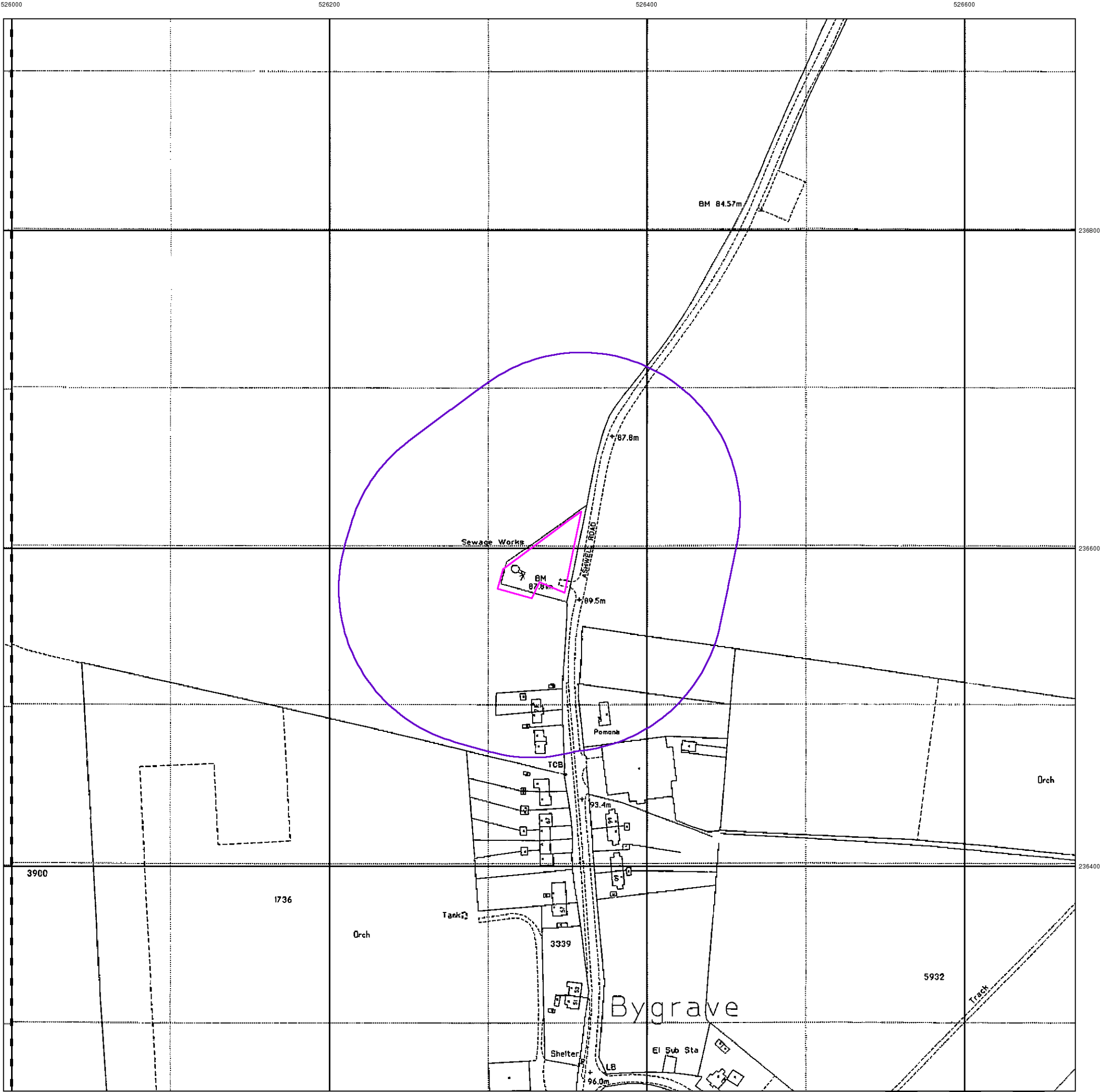
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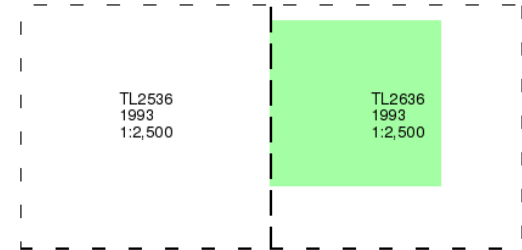
Large-Scale National Grid Data

Published 1993

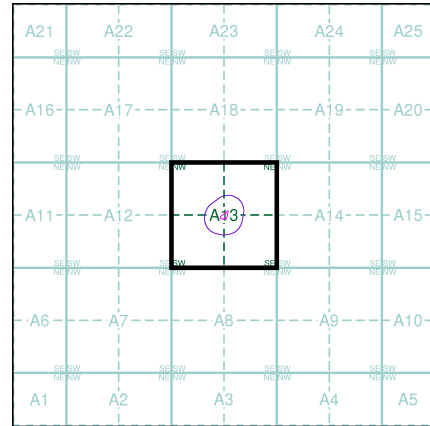
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

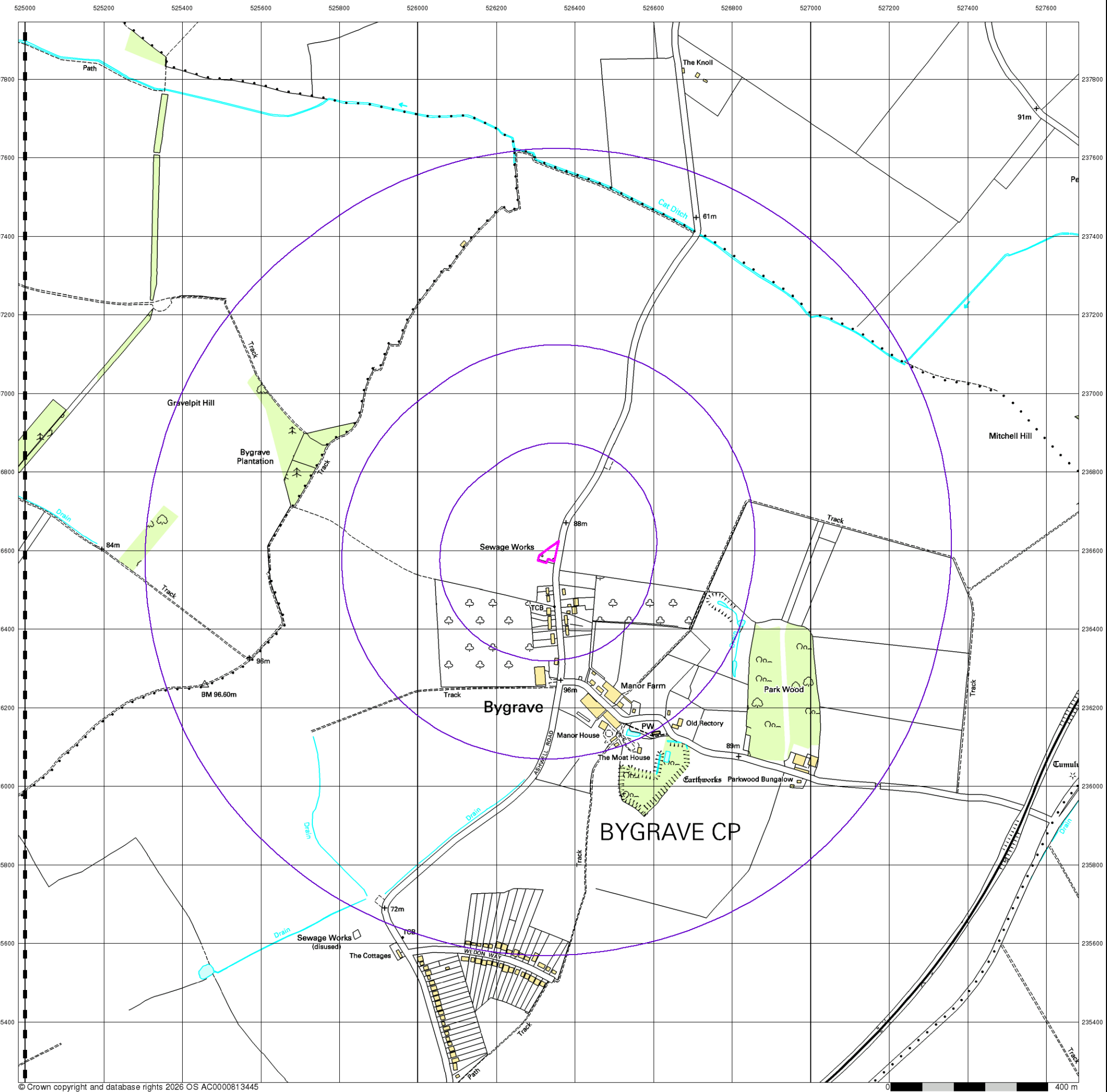
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Site Details

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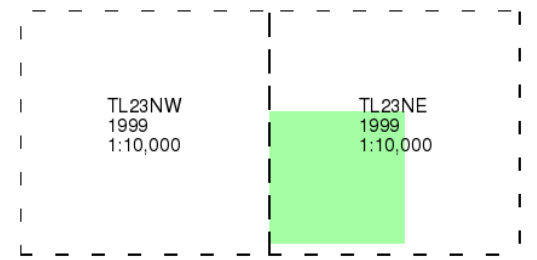
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Web: www.envirocheck.co.uk



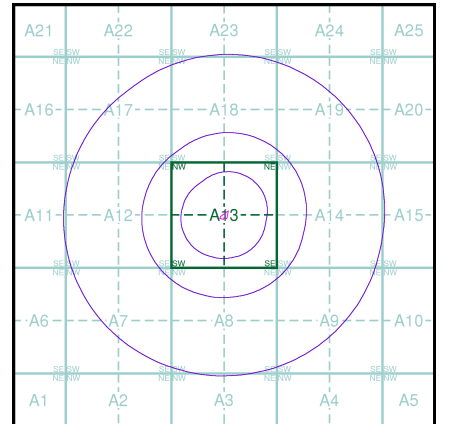
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 395460721_1_1
Customer Ref: J26037
National Grid Reference: 526340, 236590
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

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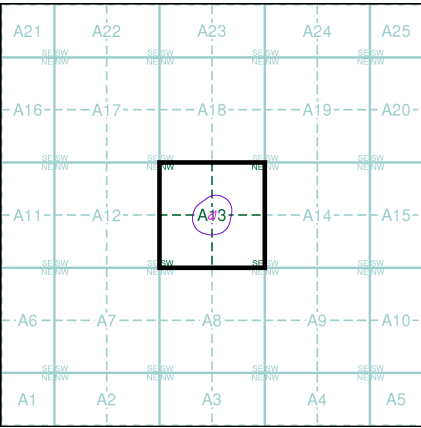
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Historical Aerial Photography
Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

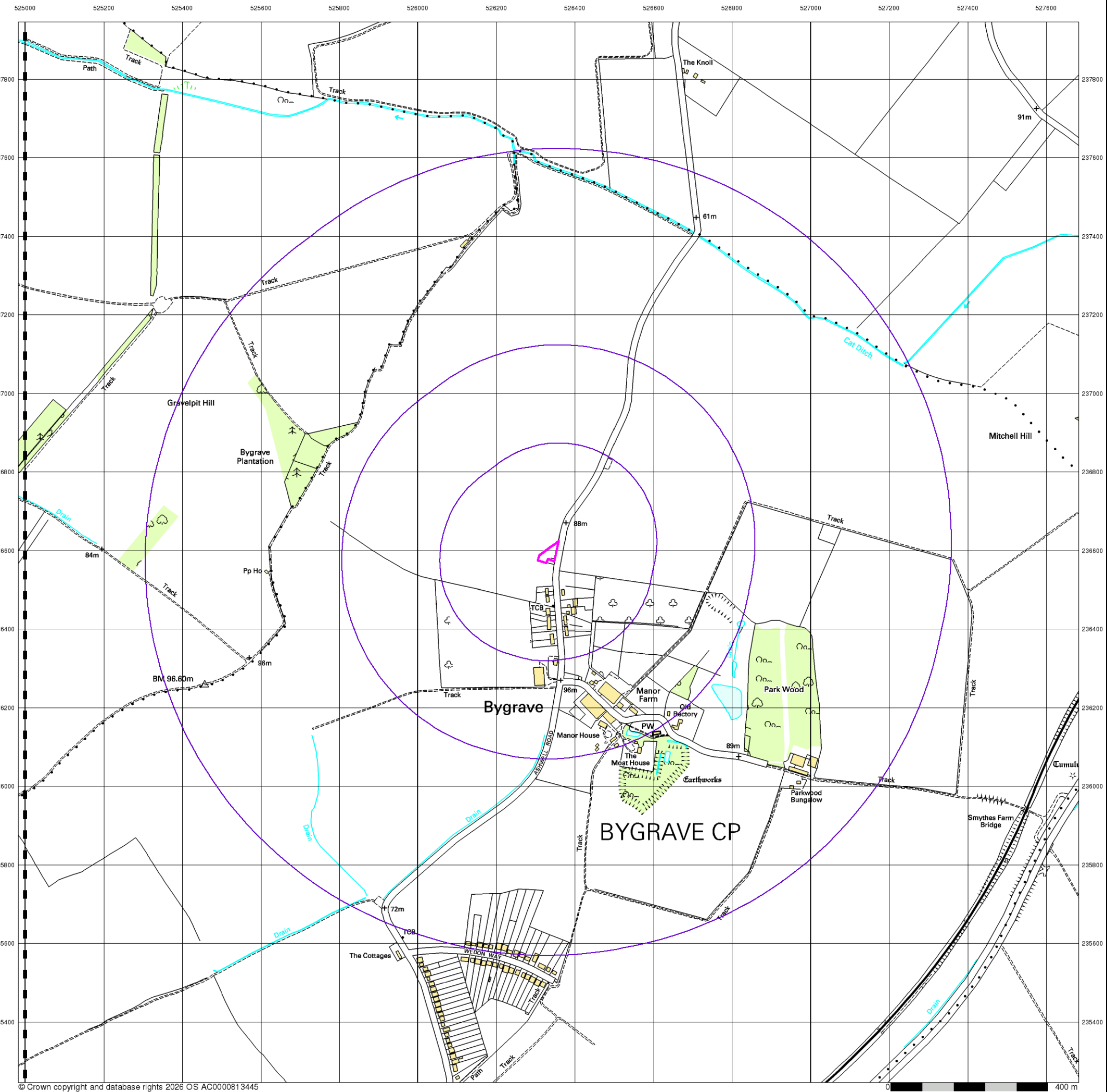
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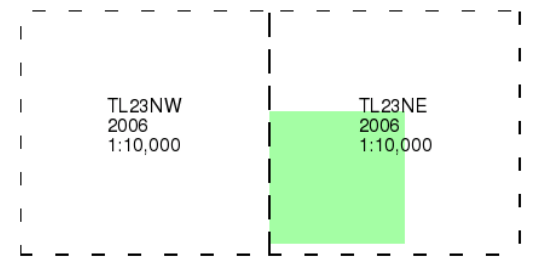
10k Raster Mapping

Published 2006

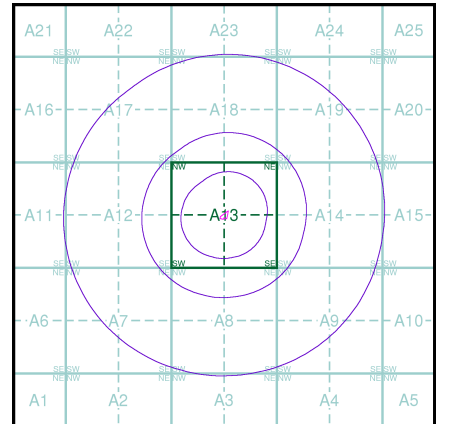
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

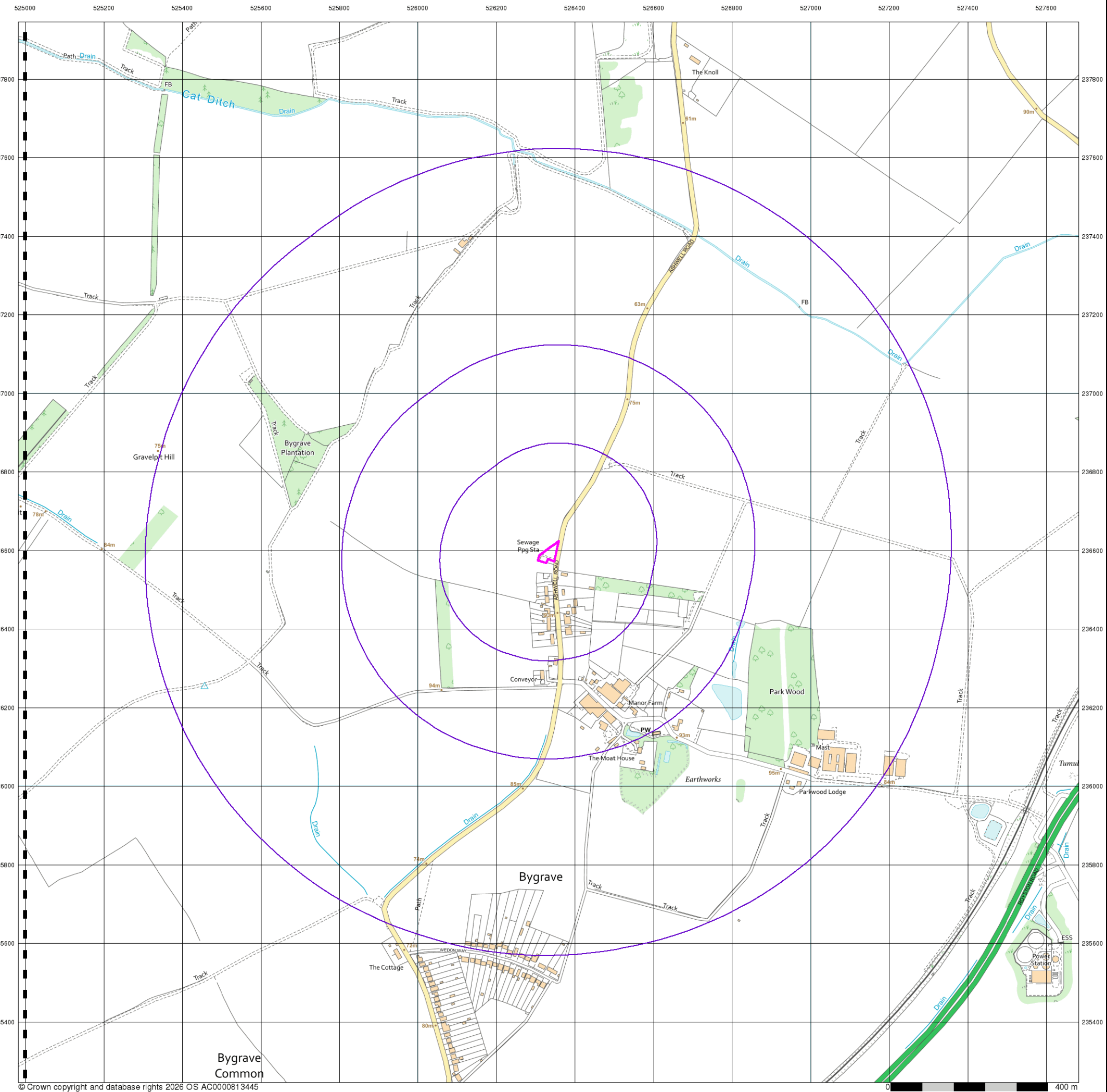
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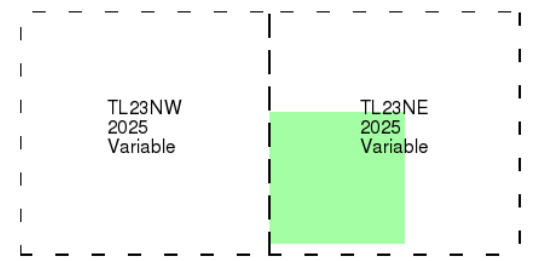
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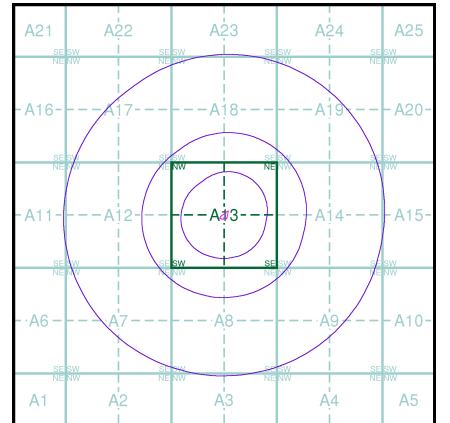
VectorMap Local
Published 2025
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 395460721_1_1
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Classification of Consequence		
Classification	Definition	Examples
Severe	Short term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. Catastrophic damage to buildings / property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem (note: the definitions of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000).	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to short-term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health ("significant harm" as defined in DETR, 2000). Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution). A significant change in a particular ecosystem, or organism forming part of such ecosystem (note: the definitions of ecological systems within Draft Circular on Contaminated Land, DETR, 2000).	Concentrations of a contaminant from site exceed the generic, or site-specific assessment criteria. Leaching of contaminants from a site to a major or minor aquifer Death of a species within a designated nature reserve.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ("significant harm" as defined in the Draft Circular of Contaminated Land, DETR, 2000). Damage to sensitive buildings / structures / services or the environment.	Pollution of non-classified groundwater Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc). Easily repairable effects of damage to buildings, structures and services.	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discolouration of concrete.

Classification of Probability	
Classification	Probability
High likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such an event would take place, and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

		Risk Assessment Matrix			
		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate / low risk
	Likely	High risk	Moderate risk	Moderate / low risk	Low risk
	Low likelihood	Moderate risk	Moderate / low risk	Low risk	Very low risk
	Unlikely	Moderate / low risk	Low risk	Very low risk	Very low risk

	Description of the assessed risks and likely action required
Very high risk	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 currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High risk	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.
Moderate risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is 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 (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low risk	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.
Very low risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.



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