



North Chiswell Green

Desk Study and Preliminary Risk Assessment

Project No: 563403



Client: McPartland Planning

JUNE 2021



DOCUMENT ISSUE RECORD

Project No.:	563403
Report No.:	563430-1(00)
Project Name:	North Chiswell Green
Document Title	Desk Study and Preliminary Risk Assessment
Client:	McPartland Planning
Status:	Final

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Report Issue Date		11 June 2021

REVISION RECORD

Revision	Date	Description of revisions	Prepared by

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1 INTRODUCTION

This report was prepared by Structural Soils Ltd (SSL) on the instructions of on behalf of McPartland Planning (the Client) at the site off Chiswell Green Lane in North Chiswell Green. The purpose of the work was to obtain geoenvironmental information for the proposed residential property on site.

The purpose of the work was to undertake a desk study and Preliminary Risk Assessment which included research into the past uses of the site and its surrounding area, with regards to its physical, historical and environmental setting. The report identifies potential issues at the site leading to the production of a Conceptual Site Model (CSM) which considers both geoenvironmental and geotechnical aspects including other pertinent ground hazards which could affect the development.

This desk study has been prepared in accordance with British Standards BS 5930:2015 and BS 10175:2011+A2:2017 and all normative references, including Environment Agency guidance report Land Contamination Risk Management (LCRM).

All information, comments and opinions given in the desk study in this report are based on the information obtained. The information search cannot be exhaustive and there may be records that have not come to light. There may also be circumstances at the site that are not documented.

This report was prepared by SSL for the sole and exclusive use of McPartland Planning in response to particular instructions. Any other parties using the information contained in this report do so at their own risk and any duty of care to those parties is excluded. No liability will be accepted after a period of 6 years from the date of the report.

1.1 Information Sources

The following sources of information have been used in the preparation of this report:

- Extracts of available historical Ordnance Survey (OS) maps covering the period from 1880 to 2021 which are presented in Appendix B.
- An Envirocheck report produced by Landmark for an area up to 1 km from the centre of the site which is reproduced in Appendix B. The Envirocheck report is compiled from the database of information maintained by various statutory bodies listed within the report. It also includes a series of maps showing the approximate position of the listed data together with details on geology, ground workings, mining and extraction, borehole records and estimated background soil chemistry.
- The Environment Agency (EA) and British Geological Survey (BGS) websites.

2 SITE DETAILS

2.1 Location and Topography

The site is located in North Chiswell Green, St Albans (see maps in Appendix A). The British National Grid Reference of the site is TL128047.

The site covers an area of approximately 15 ha in size (see Existing Site Layout Plan in Appendix A). The site is a greenfield site positioned to the north west of Chiswell Green, a village to the south of St Albans, located between Chiswell Green Lane and Ragged Hall Lane.

The site is set at an elevation of approximately 105 m above Ordnance Datum (AOD).

The land has previously been farmed and has for many years been used primarily for grazing and paddocks. The current land use of the site is related to the growth of organic hay, horse stables and grazing, and the growing of micro-plants (micro-salads for restaurant use). To the east of the site, the primary Chiswell Green residential property area exists, with a population of approximately 2,800 people.

2.1.1 Site Reconnaissance

A walkover survey was undertaken on 27 May 2021 and its findings are detailed in the following paragraphs. Photographs taken during the visit are presented in Appendix A.

The site at Chiswell Green consisted of a large green open field with paddocks, hay storage buildings, grazing horses and a micro-plant growing shed (a shipping container). The site appeared relatively flat with a gentle slope down towards the north. The fields are covered in grass and wildflowers. The site had previously been used as the ground of the St Albans Polo Club, but this was only a temporary land usage.

There is 99% soft standing across the site, with the exception of the gravel track access road leading to a hay storage barn in the centre of the southern boundary of the site. The access gate is easily accessible and can be securely locked. The perimeter of the site is enclosed by dense hedgerow and large trees. All the trees are native species and include birch, cherry, and hawthorn.

Four buildings of various sizes are present on site (see photographs). The largest building is the hay storage facility, located in the centre of the southern boundary of the site. This building is relatively new, being constructed in 2018, and therefore there is no asbestos associated with this building. Roof drainage associated with the hay storage building consists of French drains which soak away into the ground. There is the potential for a softer area of land surrounding the hay storage building, particularly in the winter wetter months, given the use of soakaway drainage into the ground. A small shed (shipping container) exists 20 m south-west of the hay storage building which is used to grow micro plants for restaurants.

Electric and water utilities enter the site towards the south of the hay storage facility, running parallel to the road.

In the south-east corner of the site a wooden stable building exists, also used to store hay. Although this construction is a little older than the large hay storage facility, built in 2005, the roofs of this building are made of mineral felt and there are no visual signs of

asbestos. A smaller wooden stable building exists 150m NE of the large hay storage building which is constructed of the same materials as the larger stable. A second access point exists in the far eastern corner of the site.

The site appears well maintained and is used primarily to grow organic hay. There were no visual signs of any contamination that could cause significant human health or environmental risks.

2.2 History of Site and Surrounding Area

2.2.1 Historic Mapping

A search of Ordnance Survey maps was undertaken to establish the land-use history of the site and surroundings. Extracts of the maps that are discussed below can be found in Appendix B of this report. Unless otherwise stated, all quoted distances are measured from the site boundary that is marked on the maps.

TABLE 1 : SUMMARY OF HISTORICAL MAP DATA			
Dates	Scale	Significant features, changes and developments:	
		On site	In surroundings [distance(m)]
1880	1:10,560 & 1:2,500	Site is partitioned into four distinct agricultural fields. Footpath runs along W boundary	<i>Cuckman's Wood</i> exists on the north-eastern edge of the site boundary. Hamlet of <i>Chiswellgreen</i> adjacent to SE corner of site House with grounds (<i>Bonehill</i>) adjacent to SW corner of site. Long Spring 600 m NW.
1899	1:10,560 & 1:2,500	No significant changes	<i>Chalk Pit</i> 150m W of site boundary. Old chalkpits 980 m NE. Gravel pit 630m SE.
1924	1:10,560 & 1:2,500	Small forested area appears in the centre of the site.	No significant changes
1937	1:10,560 & 1:2,500	No significant changes	Village of Chiswell Green significantly expanded. Residential housing developed 350 m E of site boundary.
1947	1:10,560 & 1:2,500	No significant changes	Residential expansion of the southern part of Chiswell Green village
1963 - 1973	1:10,560 & 1:2,500	Footpath runs through NW side of the site.	Further expansion of Chiswell Green village with houses next to the eastern site boundary.
1990-2006	1:10,560 & 1:2,500	Stable buildings appearing from 1999 in the far eastern corner of the site.	No significant changes
2009	1:10,560 & 1:2,500	No significant changes	No significant changes

TABLE 1 : SUMMARY OF HISTORICAL MAP DATA			
Dates	Scale	Significant features, changes and developments:	
		On site	In surroundings [distance(m)]
2018- 2021	1:10,560 & 1:2,500	Large hay storage facility built near centre of S boundary	No significant changes

Note: N = north, S = south, E = east, W = west.

2.2.2 Summary of Site History

The North Chiswell Green site has a relatively unaltered site history. The site has remained as a farmed area of land since at least 1880 to the present day. Two stable buildings were constructed in 2005, and a large hay storage facility was later constructed in 2018, but there are no signs of any environmentally harmful materials associated with these buildings. There is no evidence of any unrecorded previous land use on the site. The site appears to have only previously been used for agricultural practices such as grazing and crop farming. Current land use is for grazing, paddocks, and crop growth.

3 PHYSICAL SETTING

3.1 Geology

Information on the geology of the site was obtained from the following sources published by the British Geological Survey (BGS):

- BGS map (sheet 239, scale 1:50,000, published 1970).
- The BGS digital geology map, which utilises the most up to date names for geological units (www.bgs.ac.uk/data).
- The BGS Lexicon of Named Rock Units, which provides typical descriptions for most geological units (www.bgs.ac.uk/lexicon).

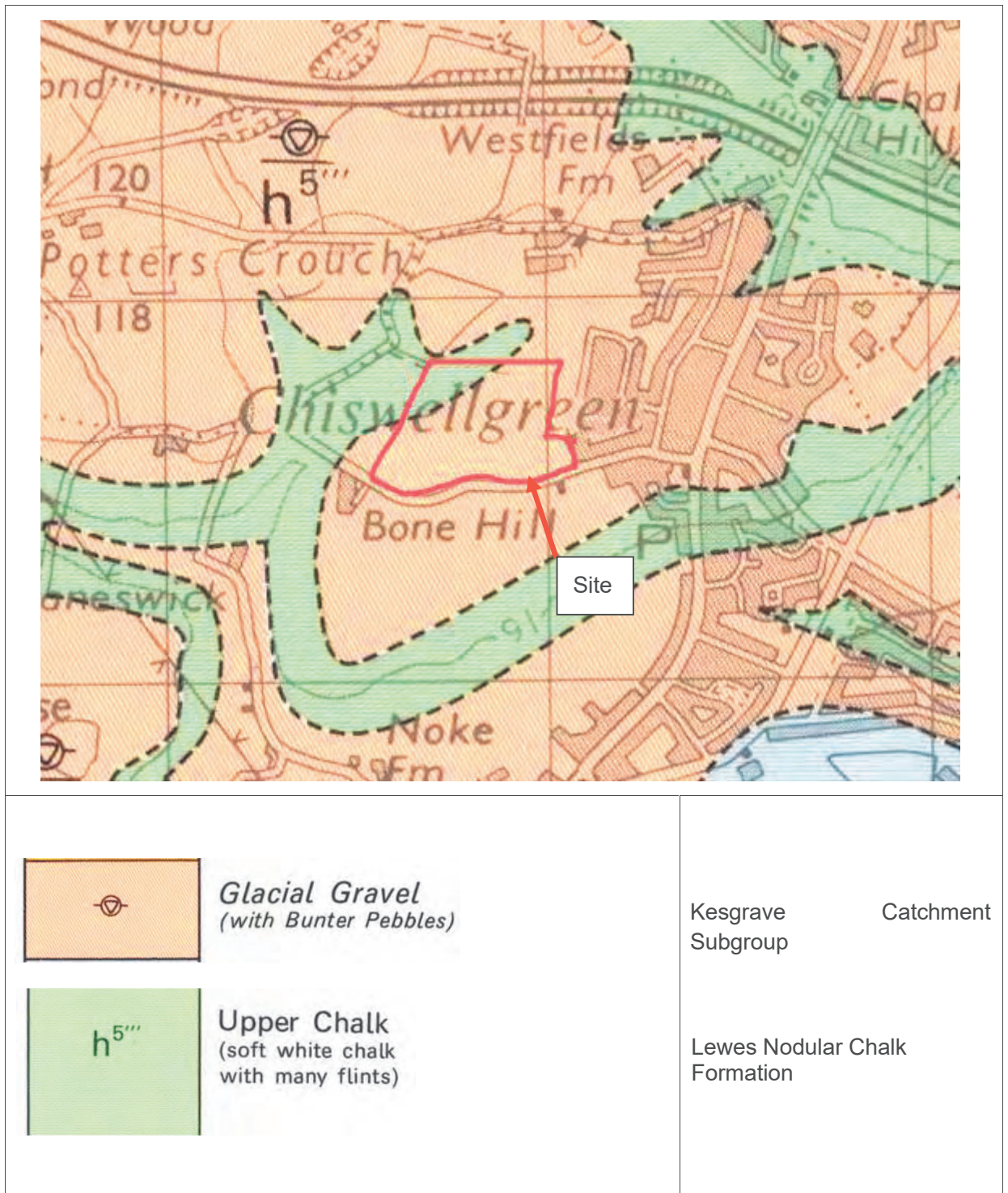
The site is shown to be underlain by the following descending sequence of strata:

TABLE 2 : SUMMARY OF EXPECTED SITE GEOLOGY	
Geological Unit Name	Description
ANTHROPOGENIC GROUND	
Artificial Ground shown	No
SUPERFICIAL DEPOSITS	
Kesgrave catchment subgroup	Pleistocene age – mainly gravels characterised by quartz and quartzite from the Triassic, Carboniferous and Devonian rocks. The members comprise bodies of cross-bedded and massive, moderately sorted sand and gravel. The upper part of the gravels which dominate the subgroup are commonly affected by pedogenesis.
SOLID GEOLOGY	
Lewes Nodular Chalk Formation	Late Cretaceous age – composed of hard to very hard nodular chinks and hardgrounds with interbedded soft to medium hard chinks and marls, some griotte chinks. Nodular chinks are typically lumpy, and iron stained.

Note: Information obtained from BGS digital records © NERC.

The map shows most of the site to be overlain by the Kesgrave Catchment Subgroup underlain by the Chalk, but in the north-west of the site the Kesgrave deposits are shown to be absent.

The BGS online maps portal provides access to scans of almost all maps produced by the BGS since 1932. An extract of the most recent available scanned map for the site is included below:



Note: Above images contain British Geological Survey materials ©NERC [2018].

3.2

3.2 Hydrogeology and Hydrology

3.2.1 Aquifer Designation

The Environment Agency (EA) website (<http://apps.environment-agency.gov.uk/wiyby/default.aspx>) has classified the geological units underlying the site as follows:

- Superficial Deposits (Kesgrave Catchment Subgroup) as a Secondary A Aquifer (highly permeable)
- Bedrock (Lewes Nodular Chalk Formation) as a Principal Aquifer (highly permeable).

Principal aquifers are layers of rock or drift deposits that have high intergranular and/or fracture permeability – meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifers contain permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

3.2.2 Groundwater Vulnerability Zones

Information on the leaching potential of the soils directly under the site is given in the Context maps in the Envirocheck Report

Both the principal aquifer and the secondary aquifer on site are classed as high vulnerability groundwater zones. High groundwater vulnerability is defined as areas that can easily transmit pollution to groundwater. They are characterised by high-leaching soils and the absence of low-permeability superficial deposits.

3.2.3 Source Protection Zones

The majority of the site is classified by the Environment Agency as Total Catchment (Zone 3) (see source protection zone map in Appendix B). This is defined as the area around the source within which all groundwater recharge is presumed to be discharged at the source. In confined aquifers, the source catchment may be displaced some distance from the source.

The south-east of the site is classified as an Outer Zone (Zone 2) source protection zone. This is defined by a 400-day travel time from a point below the water table.

3.3 Ground Gas

3.3.1 Radon

According to the Envirocheck the estimated proportion of homes near the site that are above the radon action level is between <1% and 3%. Therefore no radon protection measures are considered necessary in the construction of new buildings (including extensions, conversions and refurbishment projects).

3.3.2 Made Ground / Landfill

There are no recorded landfills, potentially infilled land or made ground on or near the site which are of sufficient size, nature or proximity to the site to pose a ground gas risk to the site.

3.4 Unexploded Ordnance (UXO)

Assessment of UXO risk is outside the scope of this study.

3.5 Archaeology / Ecology

No archaeological or ecological consultation has been undertaken for this study.

3.6 Utilities

The site and surrounding area are likely to contain underground services; a copy of the utility data has not been provided by the Client at the time of writing this report.

4 ENVIRONMENTAL SETTING

4.1 Environmental Data

Environmental features such as landfills, groundwater abstraction points, etc, are detailed in the Envirocheck report that can be found in Appendix B of this report. 'Notable' features in these data sets are listed below.

TABLE 3 : SUMMARY OF SIGNIFICANT ENVIRONMENTAL DATA					
Data Types Showing <u>Notable</u> Issues	No. of <u>Notable</u> Listings (or Yes/No) and Distance (m) from Site				Details of <u>Notable</u> Listings
	On site	0-250	250-500	>500	
LANDFILL AND OTHER WASTE SITES					
Local Authority Recorded Landfill Sites	-	-	-	1	665 m W Blunts Lane, Chiswell Green
Potentially Infilled Land (Non-Water)	-	1	1	4	Nearest 144 m W (1990 map)
Potentially Infilled Land (Water)	-	2	-	1	Nearest 54 m SW (small pond at Bonehill house) and 152 m NE (1960 map)
BGS Recorded Mineral Sites	-	1	-	4	Nearest 148 m W Bonehill Chalk Pit
CURRENT LAND USE					
Industrial Site Data	3	1	0	0	One large hay storage building (2018) on site along with two smaller wooden stable buildings (2005). Large residential housing area located 50m E of site boundary, associated with the village of Chiswell Green.
Underground Electric Cables / Gas Transmission Pipeline	1	-	-	-	Underground electric cables located close to the micro-plant community shed. No gas pipes on site.
HYDROGEOLOGY & HYDROLOGY					
Surface Water Features	0	0	0	1	River Ver located 1.7 km E of site boundary.
Water Abstractions	-	2	-	4*	158 m SW Groundwater: spray irrigation
Source Protection Zones	2	-	-	-	Site is in Zone II (outer protection zone) and Zone III (total catchment)

TABLE 3 : SUMMARY OF SIGNIFICANT ENVIRONMENTAL DATA					
Data Types Showing Notable Issues	No. of <u>Notable</u> Listings (or Yes/No) and Distance (m) from Site				Details of <u>Notable</u> Listings
	On site	0-250	250-500	>500	
FLOODING					
Max BGS Groundwater Flooding Susceptibility	1	-	-	-	Limited potential for groundwater flooding to occur.
DESIGNATED ENVIRONMENTALLY SENSITIVE SITES					
Area of Adopted Green belt	1	-	-	-	On site
Nitrate Sensitive Areas & Vulnerable Zones	1	-	-	-	The site lies within a nitrate vulnerable zone.

Note: N = north, S = south, E = east, W = west.

4.1.1 Summary of Environmental Data

The potential for contamination on this site is very low. There are no potential sources of contamination identified on site.

4.2 Preliminary Risk Assessment

4.2.1 Risk Estimation for Potentially Complete Contaminant Linkages

The review of the available desk-based information and the site walkover have not identified and potential sources of contamination on site, and therefore there are no potentially complete contaminant linkages. There are no identified human health or environmental risks posed by the proposed development on this site.

Therefore the site is considered suitable for its proposed use without further ground investigation or any remediation.

A geotechnical investigation is recommended to give information for design of foundations, roads etc.

5 SUMMARY

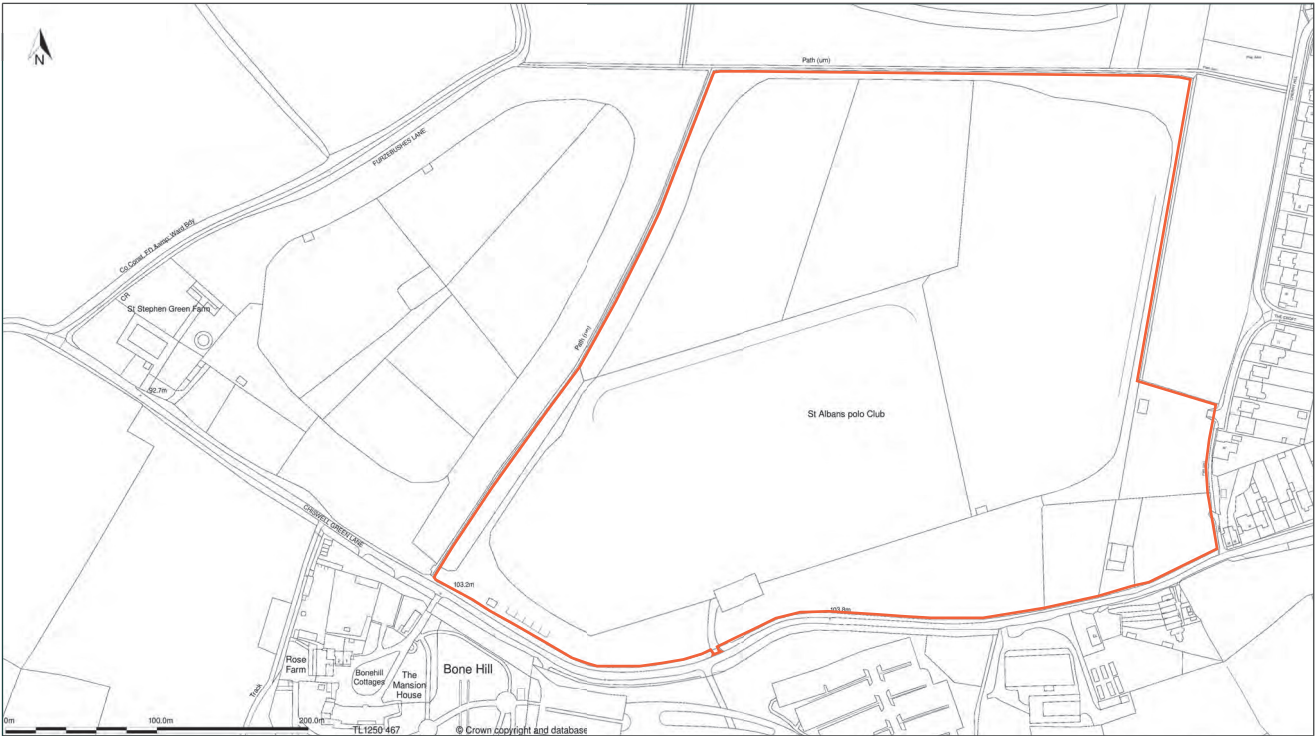
- 5.1** The proposed development on this site is to construct residential houses and areas of trees across the site.
- 5.2** The North Chiswell Green site covers an area of 15 ha and is largely used to produce organic hay. Two wooden stables exist on site, a large hay storage unit, and a small shed growing micro-plants for local restaurants. The site is largely covered with hay and wildflowers and is enclosed by dense hedgerows and trees. Horses graze on the site.
- 5.3** A Preliminary Risk Assessment that included research into the past uses of the site and the surrounding area was undertaken and it was identified that there are no sources of contamination on this site, and therefore no potentially complete contaminant linkages.
- 5.4** The findings of the PRA conclude that there is no recommendation for intrusive ground investigation or remediation on this site before development can commence.
- 5.5** A geotechnical investigation is recommended to give information for design of foundations, roads etc.

6 REFERENCES


- 6.1 BS 5930:2015 *Code of practice for ground investigations*
- 6.2 BS 10175:2011 *Investigation of potentially contaminated sites: Code of practice, including amendment A2 2017*
- 6.3 BGS map (sheet 239, scale 1:50,000, published 1978).
- 6.4 British Geological Survey Lexicon of Named Rock Units, www.bgs.ac.uk/lexicon
- 6.5 Environment Agency website, www.environment-agency.gov.uk
- 6.6 CIRIA Report C552 (2001), *Contaminated Land Risk Management; A Guide to Good Practice*
- 6.7 <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm/lcrm-stage-1-risk-assessment>. LCRM 19 April 2021

APPENDIX A - PLANS AND DRAWINGS

- (i) Existing Site Layout Plan
- (ii) Google Earth View of Site
- (iii) Photographs



Land north of Chiswell Green Lane and east of The Croft, Chiswell Green

Client: Virginia Properties		Project: SADC Call For Sites, 2021		 McPartland Planning Limited 10 Orient Close, St Albans, Herts AL1 1AJ E. brian.mpp@outlook.com
Scale: 1:2500 (A3 original)		Drawing: Location Plan		
Ref: VP/CFS/ip	Revision:	Date: 23.04.21	By: B Parker	

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North Chiswell Green



North Chiswell Green

Chiswell Green Ln

Sham Ln

100 ft

Google Earth



Contract: North Chiswell Green Lane	Client: McPartland Planning Limited	Contract Ref: 563403
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Hay storage building



Microplant container



Contract: North Chiswell Green Lane	Client: McPartland Planning Limited	Contract Ref: 563403
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Stable in south-east corner



Stable on east boundary of site (north-east of hay storage building)



Contract: North Chiswell Green Lane	Client: McPartland Planning Limited	Contract Ref: 563403
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View of site from east



View of site from north



Contract:

North Chiswell Green Lane

Client:

McPartland Planning Limited

Contract Ref:

563403



View of site from north-east



View of site from north-west



Contract:

North Chiswell Green Lane

Client:

McPartland Planning Limited

Contract Ref:

563403



View of site from south

APPENDIX B - DESK STUDY INFORMATION

- (i) Risk Assessment Guidelines
- (ii) Landmark Environmental Data Sheets
- (iii) Historical Mapping

Risk Assessment Methodology

Risk is a combination of the 'likelihood' of an event occurring and the magnitude of its 'consequences'. Therefore, in order to assess risk, both the likelihood and the consequences of an event must be taken into account. RSK Group Plc has adopted guidance provided in CIRIA C552 for use in the production of risk assessments.

The likelihood of an event can be classified on a four point system using the following terms and definitions based on CIRIA C552:

Highly likely: The event 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: It is probable that an event will occur, or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term;

Low likelihood: Circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term;

Unlikely: Circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

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 of sensitive water resources. Catastrophic damage to buildings or property. Short term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000);

Medium: Chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000);

Mild: Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment; and

Minor: Harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the likelihood of an event occurring and its severity have been classified, a risk category can be assigned the table below.

		RISK CLASSIFICATION SYSTEM (CIRIA 552)			
		Consequence			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/Low
	Likely	High	Moderate	Moderate/Low	Low
	Low likelihood	Moderate	Moderate/Low	Low	Very Low
	Unlikely	Moderate/Low	Low	Very Low	Very Low

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

279201240_1_1

Customer Reference:

563403/SP

National Grid Reference:

512830, 204670

Slice:

A

Site Area (Ha):

14.47

Search Buffer (m):

1000

Site Details:

23, Chiswell Green Lane

ST. ALBANS

AL2 3AJ

Client Details:

Mr S Pond

Structural Soils Ltd

The Old School House

Stillhouse Lane, Bedminster

Bristol

BS3 4EB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	7
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Geological	8
Industrial Land Use	12
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Data Suppliers	23
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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	pg 1			5	3
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 2				1
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3		2		(*4)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 5	2	n/a	n/a	n/a
Groundwater Vulnerability - Local Information		2	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones	pg 5	2			
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 6			2	2

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 7	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 7				1
Potentially Infilled Land (Non-Water)	pg 7		1	1	4
Potentially Infilled Land (Water)	pg 7		2		1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	
BGS Recorded Mineral Sites	pg 8		1		4
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	pg 9	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 9			1	
Natural Cavities	pg 10		1	1	2
Non Coal Mining Areas of Great Britain	pg 10	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 11	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas	pg 11	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 12		2	5	16
Fuel Station Entries	pg 14				1
Points of Interest - Commercial Services	pg 14		2	1	3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 14				5
Points of Interest - Public Infrastructure	pg 15		1		5
Points of Interest - Recreational and Environmental	pg 15		1		4
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 16			2	2
Areas of Adopted Green Belt	pg 16	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 16	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (SE)	0	1	512830 204673
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (N)	128	1	512830 205000
1	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Ragged Hall, St. Albansragged Hallst. Albans Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1756 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 19th August 2014 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ver Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A11NE (NE)	254	2	513300 204900
1	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Ragged Hall, St. Albansragged Hallst. Albans Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1756 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ver Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m	A11NE (NE)	254	2	513300 204900
2	Discharge Consents Operator: Mr And Mrs Merriman Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Mr And Mrs Merriman The Stables Noke Lane St. Albans Herts AI2 3ny Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0775 Permit Version: 1 Effective Date: 23rd June 2004 Issued Date: 12th December 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: To Groundwater Via A Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A10SW (W)	422	2	512145 204407
2	Discharge Consents Operator: Mr And Mrs Merriman Property Type: Domestic Property (Single) Location: Mr And Mrs Merriman The Stables Noke Lane St. Albans Herts AI2 3ny Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0849 Permit Version: 1 Effective Date: 23rd June 2004 Issued Date: 15th July 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A10SW (W)	422	2	512145 204407

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Mr And Mrs Merriman Property Type: Domestic Property (Single) Location: Mr And Mrs Merriman The Stables Noke Lane St. Albans Herts AL2 3ny Authority: Environment Agency, Thames Region Catchment Area: Colne Reference: Canm.0849 Permit Version: 1 Effective Date: 23rd June 2004 Issued Date: 15th July 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A10SW (W)	427	2	512140 204407
3	<p>Discharge Consents</p> <p>Operator: Mr. M.P. Smith Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: No.2 Holt Farm Cottages, Noke Lane, St Stephens, St Albans, Hertfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.1731 Permit Version: 1 Effective Date: 31st January 1995 Issued Date: 31st January 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Glacial Gravels Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m</p>	A6SW (SW)	779	2	512270 203800
4	<p>Discharge Consents</p> <p>Operator: Mr Julian W Johns Property Type: Undefined Or Other Location: 8 Manor Drive, Chiswell Green, St Albans, Herts Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcu.1004 Permit Version: 2 Effective Date: 20th October 2005 Issued Date: 20th October 2005 Revocation Date: 20th October 2017 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Gravel Strata Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SE)	830	2	513400 203800
4	<p>Discharge Consents</p> <p>Operator: Mr Julian W Johns Property Type: Undefined Or Other Location: 8 Manor Drive, Chiswell Green, St Albans, Herts Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTCU.1004 Permit Version: 1 Effective Date: 18th December 1980 Issued Date: 18th December 1980 Revocation Date: 19th October 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Gravel Strata Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SE)	830	2	513400 203800
5	<p>Enforcement and Prohibition Notices</p> <p>Location: Watford Road, Chiswell Green, ST ALBANS, Hertfordshire, AL2 3DS Permit Reference: Not Given Enforcement Date: Not Supplied Details: Failure to comply with registration condition; under RSA60/RSA93, served 1993,94. Positional Accuracy: Unknown</p>	A7SW (S)	801	2	513018 203720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Shell Petrol Station Location: 551 Watford Road, ST ALBANS, Hertfordshire, AL1 4NA Authority: St Albans City & District Council, Environmental Health Department Permit Reference: VRP/11/2005 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A7SW (S)	777	3	513135 203765
	<p>Nearest Surface Water Feature</p>	A10SE (SW)	135	-	512500 204411
7	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Shafford Farm, ST ALBANS Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 7th March 1997 Incident Reference: THN11997031120 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14NE (N)	653	2	512550 205500
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Chiswell Green, ST ALBANS Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 13th November 1996 Incident Reference: N1960589 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SE)	772	2	513250 203800
9	<p>Water Abstractions</p> <p>Operator: The Royal National Rose Society Licence Number: Th/039/0028/033 Permit Version: 1 Location: The Gardens Of The Rose, St Albans-Borehole Authority: Environment Agency, Thames Region Abstraction: Horticulture And Nurseries: 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: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10SE (SW)	158	2	512580 204340
9	<p>Water Abstractions</p> <p>Operator: The Royal National Rose Society Licence Number: 28/39/28/0596 Permit Version: 1 Location: The Gardens Of The Rose, St Albans-Borehole Authority: Environment Agency, Thames Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Gardens Of The Rose, Chiswell Green Lane, Chiswell Green, St Albans. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10SE (SW)	158	2	512580 204340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr R Parker Licence Number: 28/39/28/0186 Permit Version: 101 Location: Artesian Boreholes At Burydell Lane, Park Street - B Authority: Environment Agency, Thames Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Burydell Lane, Park Street, St Albans Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1771	2	514800 204200
	<p>Water Abstractions</p> <p>Operator: Mr R Parker Licence Number: 28/39/28/0186 Permit Version: 100 Location: Artesian Boreholes At Burydell Lane, Park Street - B Authority: Environment Agency, Thames Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): 454600 Details: Burydell Lane, Park Street, St Albans Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th June 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(E)	1771	2	514800 204200
	<p>Water Abstractions</p> <p>Operator: Mr R Parker Licence Number: 28/39/28/0186 Permit Version: 101 Location: Artesian Boreholes At Burydell Lane, Park Street - A Authority: Environment Agency, Thames Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Burydell Lane, Park Street, St Albans Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1794	2	514800 204100
	<p>Water Abstractions</p> <p>Operator: Mr R Parker Licence Number: 28/39/28/0186 Permit Version: 100 Location: Artesian Boreholes At Burydell Lane, Park Street - A Authority: Environment Agency, Thames Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): 454600 Details: Burydell Lane, Park Street, St Albans Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th June 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(E)	1794	2	514800 204100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>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: High</p>	A11SW (SE)	0	4	512830 204673
	<p>Groundwater Vulnerability Map</p> <p>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: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: High</p>	A11SW (E)	0	4	513000 204673
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No 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: High</p>	A10NE (NW)	0	4	512775 204757
	<p>Groundwater Vulnerability - Soluble Rock Risk</p> <p>Classification: Very Significant Risk - Moderate Possibility</p>	A11SW (E)	0	4	513000 204673
	<p>Groundwater Vulnerability - Soluble Rock Risk</p> <p>Classification: Very Significant Risk - Moderate Possibility</p>	A11SW (SE)	0	4	512830 204673
	<p>Bedrock Aquifer Designations</p> <p>Aquifer Designation: Principal Aquifer</p>	A11SW (SE)	0	4	512830 204673
	<p>Superficial Aquifer Designations</p> <p>Aquifer Designation: Secondary Aquifer - A</p>	A11SW (SE)	0	4	512830 204673
10	<p>Source Protection Zones</p> <p>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.</p>	A11SW (SE)	0	2	512830 204673
11	<p>Source Protection Zones</p> <p>Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.</p>	A11SW (SE)	0	2	512858 204619
	<p>Extreme Flooding from Rivers or Sea without Defences</p> <p>None</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A6NE (S)	259	5	512792 204235
13	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Chrysalis Lake Catchment Name: Thames Primacy: 1	A6NE (S)	260	5	512797 204238
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A16SW (NE)	725	5	513684 205218
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A13SE (NW)	963	5	511853 205271

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	6	512830 204673
	Local Authority Landfill Coverage Name: St Albans District Council - Has supplied landfill data		0	3	512830 204673
16	Local Authority Recorded Landfill Sites Location: Blunts Lane, Chiswell Green Reference: 596 Authority: Hertfordshire County Council, Spatial Planning and Economy Unit Last Reported Not Supplied Status: Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Applicable	A9NE (W)	665	6	511900 204700
17	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A10SW (W)	144	-	512425 204620
18	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A6NW (SW)	364	-	512248 204331
19	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A7NE (SE)	589	-	513335 204037
20	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A7NE (SE)	649	-	513408 204009
21	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A16SE (NE)	975	-	513935 205273
22	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A9SW (W)	975	-	511573 204617
23	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A10SE (SW)	54	-	512503 204509
24	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A11NE (NE)	152	-	513150 204982
25	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1960	A15SE (NE)	574	-	513374 205342

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A11SW (SE)	0	1	512830 204673
	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	A11SW (SE)	0	1	512830 204673
	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: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NE (NW)	0	1	512775 204757
	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	A10NE (NW)	207	1	512503 204909
	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	A10NW (W)	281	1	512295 204711
	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	A7NW (S)	334	1	513000 204100
26	BGS Recorded Mineral Sites Site Name: Bonehill Chalk Pit Location: Chiswell Green, St Albans, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 166090 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	A10SW (W)	148	1	512424 204625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Daneswick Chalk Pit Location: Chiswell Green, St Albans, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 166089 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</p>	A5NE (SW)	557	1	512077 204240
28	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Burston Manor Farm Gravel Pit Location: Chiswell Green, St Albans, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 169695 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kesgrave Catchment Subgroup Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SE)	642	1	513367 203993
29	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Holt Farm Location: Chiswell Green, St Albans, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 2274 Type: Opencast Status: Ceased Operator: Balfour Beatty Civil Engineering Ltd Operator Location: Not Supplied Periodic Type: Quaternary Geology: Ancestral Thames River Terrace Deposits Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A2NE (S)	915	1	512655 203565
30	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Westfield'S Farm Chalk Pits Location: St Stephens, St Albans, Hertfordshire Source: British Geological Survey, National Geoscience Information Service Reference: 169541 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</p>	A19SE (NE)	967	1	513331 205794
	<p>BGS Measured Urban Soil Chemistry</p> <p>No data available</p>				
	<p>BGS Urban Soil Chemistry Averages</p> <p>No data available</p>				
	<p>Coal Mining Affected Areas</p> <p>In an area that might not be affected by coal mining</p>				
	<p>Mining Instability</p> <p>Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied</p>	A11SW (SE)	0	-	512830 204673
	<p>Man-Made Mining Cavities</p> <p>Easting: 512200 Northing: 204300 Distance: 421 Quadrant Reference: A6 Quadrant Reference: NW Bearing Ref: SW Cavity Type: Adit Entry Chalk Mining-Exact Details Unknown Commodity: Chalk Solid Geology Detail: Chalk Group Superficial Geology: Glacial Gravel Detail:</p>	A6NW (SW)	421	7	512200 204300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 512420 Northing: 204650 Distance: 165 Quadrant Reference: A10 Quadrant Reference: SW Bearing Ref: W Cavity Type: Solution Pipe x 4 Solid Geology Detail: Chalk Group Superficial Geology: Glacial Sand & Gravel Detail:	A10SW (W)	165	7	512420 204650
	Natural Cavities Easting: 513500 Northing: 205000 Distance: 470 Quadrant Reference: A12 Quadrant Reference: NW Bearing Ref: NE Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group Superficial Geology: Glacial Sand & Gravel Detail:	A12NW (NE)	470	7	513500 205000
	Natural Cavities Easting: 512080 Northing: 204270 Distance: 539 Quadrant Reference: A5 Quadrant Reference: NE Bearing Ref: SW Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Glacial Sand & Gravel Detail:	A5NE (SW)	539	7	512080 204270
	Natural Cavities Easting: 511600 Northing: 204700 Distance: 959 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: W Cavity Type: Solution Pipe x 6 Solid Geology Detail: Chalk Group Superficial Geology: Glacial Sand & Gravel Detail:	A9NW (W)	959	7	511600 204700
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	128	1	512830 205000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	128	1	512830 205000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	128	1	512830 205000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	512775 204757
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512839 204653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	128	1	512830 205000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	155	1	512643 205000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	207	1	512503 204909
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14SE (N)	235	1	512767 205108
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	512775 204757
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	128	1	512830 205000
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	155	1	512643 205000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	207	1	512503 204909
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	128	1	512830 205000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	128	1	512830 205000
	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	A11NW (N)	0	1	512830 204700
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11SW (SE)	0	1	512830 204673
	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	A11NW (N)	0	1	512830 204700
	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	A11SW (SE)	0	1	512830 204673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<p>Contemporary Trade Directory Entries</p> <p>Name: Heartfield Ventilation & Air Conditioning Co Ltd Location: 20, Hawthorn Way, St. Albans, Hertfordshire, AL2 3BH Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A15SW (NE)	186	-	513124 205038
32	<p>Contemporary Trade Directory Entries</p> <p>Name: Abbey Cleaning Services Ltd Location: 18, Hammers Gate, St. Albans, Hertfordshire, AL2 3DZ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (E)	235	-	513294 204503
33	<p>Contemporary Trade Directory Entries</p> <p>Name: Chiswell Fireplaces Location: 192, Watford Road, St. Albans, AL2 3EB Classification: Fireplaces & Mantelpieces Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SE (E)	311	-	513374 204619
34	<p>Contemporary Trade Directory Entries</p> <p>Name: Enstone Environmental Management Ltd Location: 335, Watford Road, St. Albans, Hertfordshire, AL2 3DA Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (SE)	368	-	513408 204425
34	<p>Contemporary Trade Directory Entries</p> <p>Name: Baytree Maintenance Services Location: 335, Watford Road, St. Albans, Hertfordshire, AL2 3DA Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SE (SE)	368	-	513408 204425
35	<p>Contemporary Trade Directory Entries</p> <p>Name: N E Motors Location: 28a, Farringford Close, St. Albans, AL2 3HS Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12SW (E)	457	-	513512 204461
36	<p>Contemporary Trade Directory Entries</p> <p>Name: Pharma Quality People Location: 8, Laburnum Grove, St. Albans, Hertfordshire, AL2 3HQ Classification: Pharmaceutical Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12NW (E)	486	-	513547 204699
37	<p>Contemporary Trade Directory Entries</p> <p>Name: Aircool Building Services Location: 3, Compton Gardens, St. Albans, Hertfordshire, AL2 3HU Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8NW (SE)	557	-	513567 204316
38	<p>Contemporary Trade Directory Entries</p> <p>Name: H R Owen Plc Location: 318, Watford Road, St. Albans, Hertfordshire, AL2 3DP Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SE (SE)	627	-	513224 203945
38	<p>Contemporary Trade Directory Entries</p> <p>Name: H R Owen Sportscars Location: 318, Watford Road, St. Albans, Hertfordshire, AL2 3DP Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (SE)	627	-	513224 203945
38	<p>Contemporary Trade Directory Entries</p> <p>Name: H R Owen Location: 318, Watford Road, St. Albans, Hertfordshire, AL2 3DP Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (SE)	627	-	513224 203945
38	<p>Contemporary Trade Directory Entries</p> <p>Name: H R Sportscars Location: 318, Watford Road, St. Albans, Hertfordshire, AL2 3DP Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A7SE (SE)	627	-	513224 203945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	<p>Contemporary Trade Directory Entries</p> <p>Name: Future Cleaning Services Location: 9, West Avenue, St. Albans, Hertfordshire, AL2 3HA Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A12NW (E)	629	-	513673 204944
40	<p>Contemporary Trade Directory Entries</p> <p>Name: Bud Rescue & Recovery Location: Noke Lane, St Albans, Hertfordshire, AL2 3NY Classification: Car Breakdown & Recovery Services Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A6SE (S)	723	-	512790 203766
41	<p>Contemporary Trade Directory Entries</p> <p>Name: Browning Joinery St Albans Location: Unit 5, Noke Lane Business Centre, Noke Lane, St. Albans, Hertfordshire, AL2 3NY Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6SE (S)	743	-	512805 203749
41	<p>Contemporary Trade Directory Entries</p> <p>Name: V I P Glass Location: Unit 4, Noke Lane Business Centre, Noke Lane, St. Albans, AL2 3NY Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6SE (S)	751	-	512798 203740
41	<p>Contemporary Trade Directory Entries</p> <p>Name: Bromac Regrinds Location: Unit 1a, Noke Lane Business Centre, Noke Lane, St. Albans, Hertfordshire, AL2 3NY Classification: Cutting Tools & Machinery Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6SE (S)	774	-	512787 203715
41	<p>Contemporary Trade Directory Entries</p> <p>Name: Jacksons Metal Spinners Location: Unit 1, Noke Lane Business Centre, Noke Lane, St. Albans, Hertfordshire, AL2 3NY Classification: Metal Spinners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6SE (S)	774	-	512787 203715
42	<p>Contemporary Trade Directory Entries</p> <p>Name: Shell Service Station Location: 551, Watford Road, St. Albans, AL2 3EH Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SW (S)	784	-	513141 203759
42	<p>Contemporary Trade Directory Entries</p> <p>Name: Shell Select Location: 551 Watford Road, St Albans, Hertfordshire, AL2 3EH Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SW (S)	784	-	513141 203759
42	<p>Contemporary Trade Directory Entries</p> <p>Name: Shell Service Station Location: 551 Watford Road, St Albans, Hertfordshire, AL2 3EH Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SW (S)	784	-	513141 203759
42	<p>Contemporary Trade Directory Entries</p> <p>Name: Shell Select Location: 551 Watford Road, St Albans, Hertfordshire, AL2 3EH Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SW (S)	784	-	513139 203759
43	<p>Contemporary Trade Directory Entries</p> <p>Name: Alldrives St Albans & Watford Location: Meadowside, North Orbital Road, St. Albans, Hertfordshire, AL2 2DP Classification: Asphalt & Coated Macadam Laying Contractors Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8NW (SE)	810	-	513732 204099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Fuel Station Entries Name: Shell Chiswell Location: 551, Watford Road North Orbital Road, Chiswell Green , St Albans, Hertfordshire, AL2 3EH Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A7SW (S)	784	-	513141 203759
45	Points of Interest - Commercial Services Name: Portland Location: 5 Cuckmans Drive, St. Albans, AL2 3AP Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A11NE (E)	180	8	513240 204687
45	Points of Interest - Commercial Services Name: Portland Location: 5 Cuckmans Drive, St. Albans, AL2 3AP Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A11NE (E)	180	8	513240 204687
46	Points of Interest - Commercial Services Name: Watford Windscreens Location: 268 Watford Road, St. Albans, AL2 3DN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SE)	440	8	513374 204246
47	Points of Interest - Commercial Services Name: Shell Car Wash Location: 551 Watford Road, St. Albans, AL2 3EH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SW (S)	784	8	513141 203759
47	Points of Interest - Commercial Services Name: Car Wash Location: 551 Watford Road, St. Albans, AL2 3EH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SW (S)	784	8	513141 203759
47	Points of Interest - Commercial Services Name: Shell Chiswell Location: 551 Watford Road, St. Albans, AL2 3EH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7SE (S)	793	8	513157 203754
48	Points of Interest - Manufacturing and Production Name: C E Day & Son Location: Noke Farm, Noke Lane, St. Albans, AL2 3NY Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A6SE (S)	710	8	512507 203789
48	Points of Interest - Manufacturing and Production Name: C E Day & Son Location: Noke Farm, Noke Lane, St. Albans, AL2 3NY Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A6SE (S)	738	8	512546 203752
49	Points of Interest - Manufacturing and Production Name: Noke Nurseries Location: Caravan The Nursery, Noke Lane, St. Albans, AL2 3NY Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A7SW (S)	715	8	512838 203783
49	Points of Interest - Manufacturing and Production Name: Business Centre Location: AL2 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A6SE (S)	741	8	512764 203744

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Points of Interest - Manufacturing and Production Name: Tank Location: AL2 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13SE (NW)	987	8	511808 205226
51	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: AL2 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A11NE (NE)	166	8	513174 204978
52	Points of Interest - Public Infrastructure Name: Airfield Location: AL2 Category: Air Class Code: Airports and Landing Strips Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	608	8	511937 204553
53	Points of Interest - Public Infrastructure Name: Shell Chiswell Location: 551 Watford Road, Chiswell, St. Albans, AL2 3EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SW (S)	784	8	513139 203759
53	Points of Interest - Public Infrastructure Name: Shell Service Station Location: 551 Watford Road, St. Albans, AL2 3EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SW (S)	784	8	513141 203759
53	Points of Interest - Public Infrastructure Name: Shell Chiswell Location: 551 Watford Road, St. Albans, AL2 3EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SW (S)	784	8	513141 203759
53	Points of Interest - Public Infrastructure Name: Shell Chiswell Location: 551 Watford Road, St. Albans, AL2 3EH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7SW (S)	784	8	513141 203759
54	Points of Interest - Recreational and Environmental Name: Play Area Location: AL2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A11NW (NE)	36	8	513083 204877
55	Points of Interest - Recreational and Environmental Name: Playground Location: North Orbital Road, AL2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	720	8	513775 204435
56	Points of Interest - Recreational and Environmental Name: Playground Location: Four Trees, AL2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A16SW (E)	756	8	513780 205058
57	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (SE)	863	8	513670 203943
57	Points of Interest - Recreational and Environmental Name: Playground Location: Mayflower Road, AL2 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8SW (SE)	872	8	513647 203910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	Ancient Woodland Name: Park Wood Reference: 1115880 Area(m ²): 131190.19 Type: Plantation on Ancient Woodland	A14SE (N)	291	9	512768 205168
59	Ancient Woodland Name: Scrubs Wood Reference: 1115876 Area(m ²): 20856.21 Type: Ancient and Semi-Natural Woodland	A14SW (NW)	353	9	512413 205030
60	Ancient Woodland Name: Madams/Birch Woods Reference: 1115874 Area(m ²): 217197.76 Type: Plantation on Ancient Woodland	A14NW (NW)	785	9	512223 205472
61	Ancient Woodland Name: St.Julians Wood Reference: 1115885 Area(m ²): 25453.21 Type: Ancient and Semi-Natural Woodland	A12NE (E)	848	9	513897 204879
62	Areas of Adopted Green Belt Authority: St Albans City & District Council Plan Name: St Albans District Local Plan Review Status: Adopted Plan Date: 30th November 1994	A11SW (SE)	0	10	512830 204673
63	Nitrate Vulnerable Zones Name: Colne And Guc (From Confluence With Chess To Ash) Nvz Description: Surface Water Source: Environment Agency, Head Office	A11SW (SE)	0	4	512830 204673

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Watford Borough Council - Environmental Health Department St Albans City & District Council - Environmental Health Department Three Rivers District Council - Environmental Health Department Environment Agency - Head Office Dacorum Borough Council - Environmental Health Department Hertsmere Borough Council - Environmental Health Department	April 2014 February 2015 January 2015 June 2020 September 2013 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	April 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region Environment Agency - Thames Region	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region	April 2021 April 2021	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Dacorum Borough Council - Environmental Health Department Three Rivers District Council - Environmental Health Department Hertsmere Borough Council - Environmental Health Department Watford Borough Council - Environmental Health Department St Albans City & District Council - Environmental Health Department	February 2013 February 2015 January 2015 June 2014 May 2014	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Three Rivers District Council - Environmental Health Department Hertsmere Borough Council - Environmental Health Department Watford Borough Council - Environmental Health Department St Albans City & District Council - Environmental Health Department Dacorum Borough Council - Environmental Health Department	February 2015 January 2015 June 2014 May 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Three Rivers District Council - Environmental Health Department Hertsmere Borough Council - Environmental Health Department Watford Borough Council - Environmental Health Department St Albans City & District Council - Environmental Health Department Dacorum Borough Council - Environmental Health Department	February 2015 January 2015 June 2014 May 2014 October 2014	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2021	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Thames Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area	January 2021 January 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	January 2021	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2021	Quarterly
Flood Defences Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines Ordnance Survey	September 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area	April 2021 April 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - North East Thames Area Environment Agency - Thames Region - North East Area	April 2021 April 2021	Quarterly Quarterly
Local Authority Landfill Coverage Dacorum Borough Council - Environmental Health Department Hertfordshire County Council - Spatial Planning and Economy Unit Hertsmere Borough Council - Environmental Health Department St Albans City & District Council - Environmental Health Department Three Rivers District Council - Environmental Health Department Watford Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Dacorum Borough Council - Environmental Health Department Hertfordshire County Council - Spatial Planning and Economy Unit Hertsmere Borough Council - Environmental Health Department St Albans City & District Council - Environmental Health Department Three Rivers District Council - Environmental Health Department Watford Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - North East Area	June 2015	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Hertfordshire County Council - Spatial Planning and Economy Unit Hertsmere Borough Council - Planning Department St Albans City & District Council Three Rivers District Council Watford Borough Council - Development Control Dacorum Borough Council	February 2016 February 2016 February 2016 February 2016 February 2016 October 2015	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Hertfordshire County Council - Spatial Planning and Economy Unit Hertsmere Borough Council - Planning Department St Albans City & District Council Three Rivers District Council Watford Borough Council - Development Control Dacorum Borough Council	February 2016 February 2016 February 2016 February 2016 February 2016 October 2015	Variable Variable Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

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

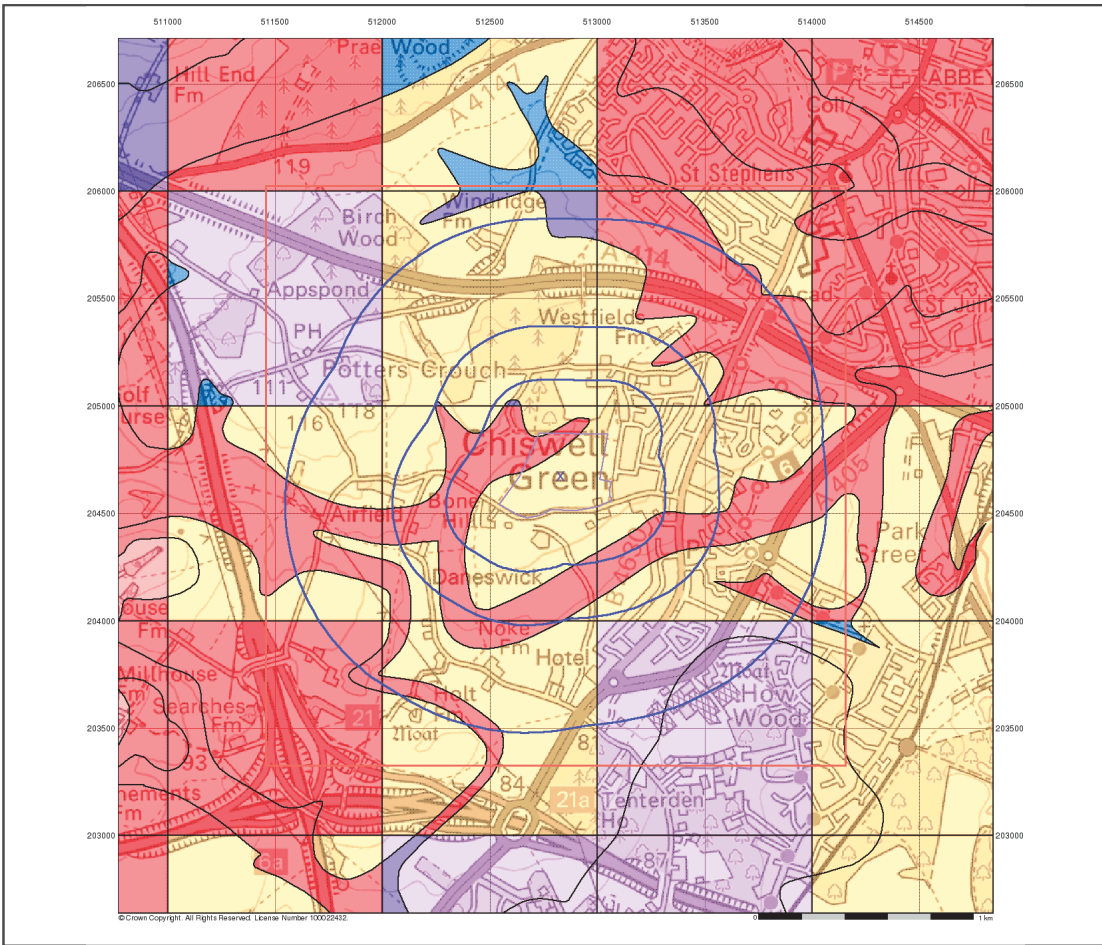
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Dacorum Borough Council Hertsmere Borough Council - Planning Department St Albans City & District Council Three Rivers District Council Watford Borough Council	June 2020 June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified As notified
Areas of Unadopted Green Belt Dacorum Borough Council Hertsmere Borough Council - Planning Department St Albans City & District Council Three Rivers District Council Watford Borough Council	June 2020 June 2020 June 2020 June 2020 June 2020	As notified As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually


A selection of organisations who provide data within this report


Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey 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	St Albans City & District Council - Environmental Health Department Civic Centre, St Peters Street, St Albans, Hertfordshire, AL1 3JE	Telephone: 01727 866100 Fax: 01727 845658 Website: www.stalbans.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	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
7	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	St Albans City & District Council Civic Centre, St Peters Street, St Albans, Hertfordshire, AL1 3JE	Telephone: 01727 866100 Fax: 01727 845658 Website: www.stalbans.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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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






















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Groundwater Vulnerability

General

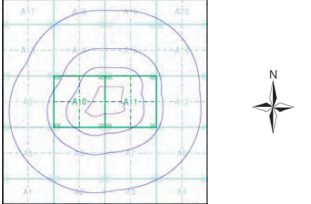
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

Agency and Hydrological

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

 Unproductive Aquifer
 Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

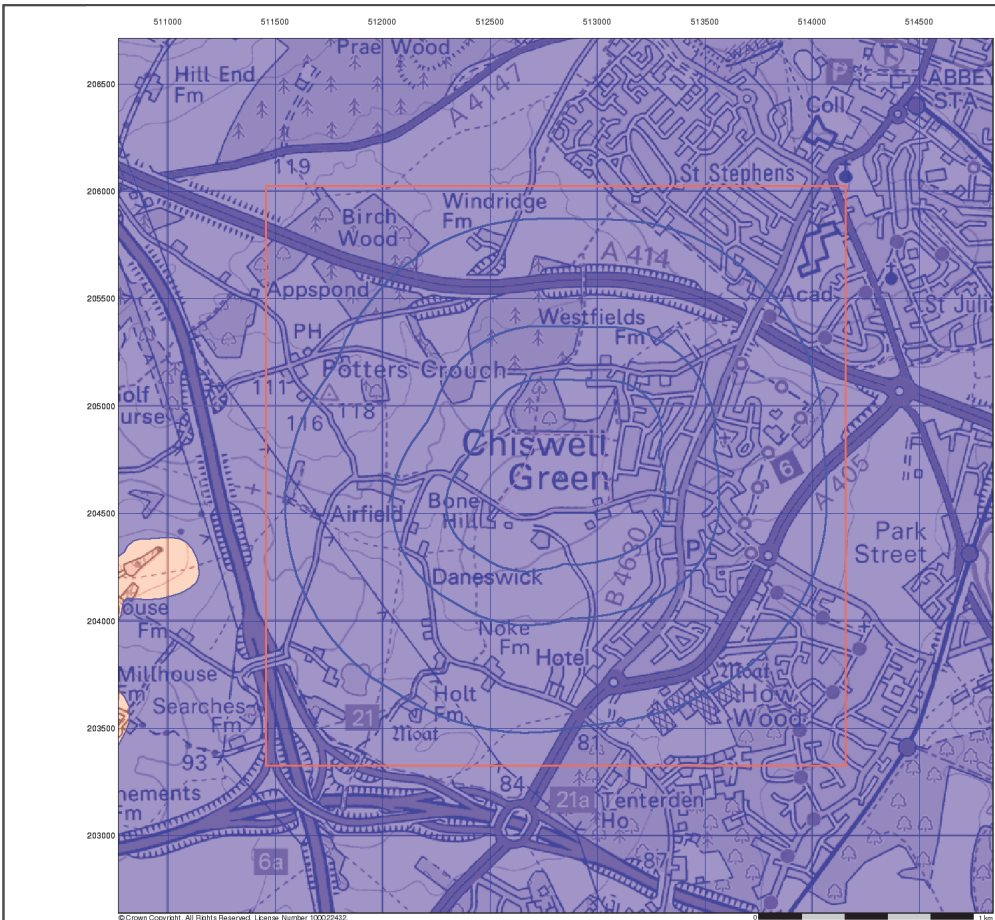
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National Grid Reference:	512830, 204670
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Site Area (Ha):	14.47
Search Buffer (m):	1000


Site Details
23, Chiswell Green Lane, ST. ALBANS, AL2 3AJ

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9993
 Web: www.envisrock.co.uk

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Bedrock Aquifer Designation

General

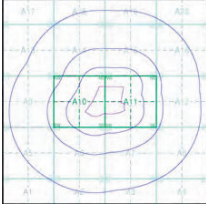
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

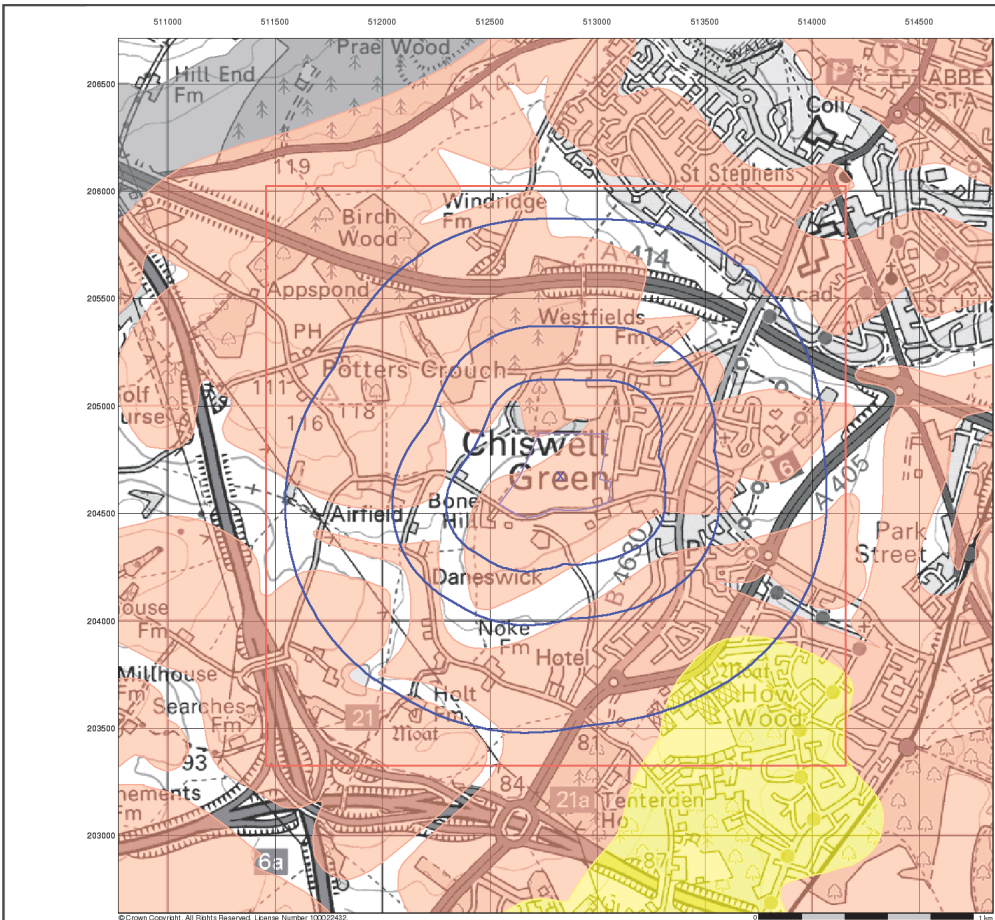
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Site Area (Ha):	14.47
Search Buffer (m):	1000

Site Details
23, Chiswell Green Lane, ST. ALBANS, AL2 3AJ

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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

Order Number:	279201240_1_1
Customer Ref:	563403/SF
National Grid Reference:	512830, 204670
Slice:	A
Site Area (Ha):	14.47
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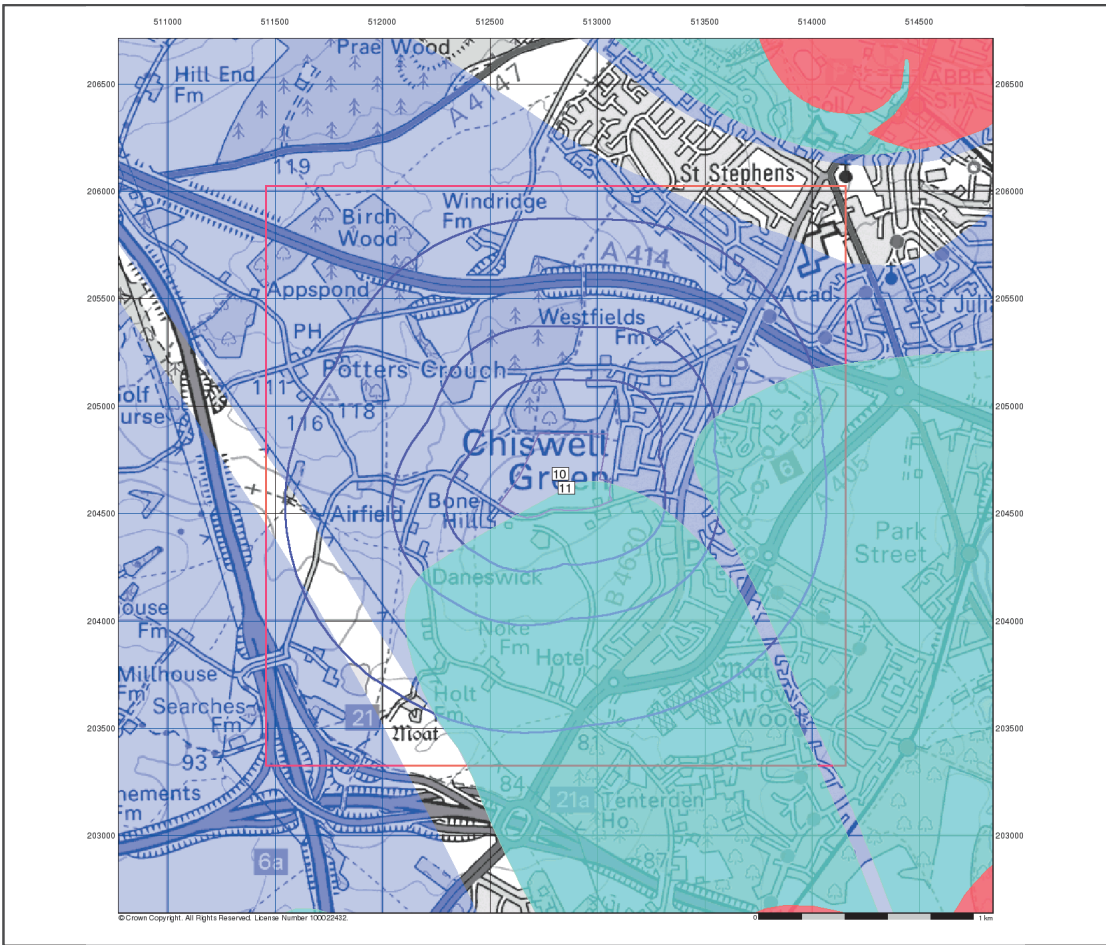
Site Details


23, Chiswell Green Lane, ST. ALBANS, AL2 3AJ

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Tel: 0844 844 9952
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Source Protection Zones

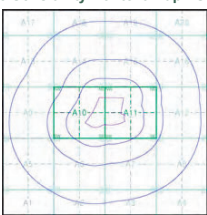
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	279201240_1_1
Customer Ref:	563403/SP
National Grid Reference:	512830, 204670
Slice:	A
Site Area (Ha):	14.47
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