

St Patricks Hall, Reading

Phase 1 Detailed Desk Top Study

Curtin's Ref: EB1834/GL/5073

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Client Name: University Partnerships Programme

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Revised Redevelopment of St Patrick's Hall Summary for Consultant Reports

This Phase 1 Site Investigation Report (ref. EB1834/GL/5073) has been prepared in relation to a revised application for the redevelopment of St Patrick's Hall to provide student accommodation and associated ancillary uses. A previous application (Council Planning Ref: 161182) for the redevelopment of the site was withdrawn following the local listing of Pearson's Court within the site. This revised application retains Pearson's Court and redevelops the remainder of the site.

The changes proposed as part of this revised scheme are summarised as follows:

- There is a net reduction in student bed numbers in comparison with the previous submission. The withdrawn application proposed 1024 new student bedspaces and 6 no. three bedroom flats for families, resulting in a net increase of 726 bedspaces. The revised application provides 884 new bedspaces and would retain 116 existing bedspaces within Pearson's Court. This results in a net increase of 702 bedspaces at the site.
- The demolition of the original Pearson's Court building no longer forms part of the plans for redevelopment.
- The Sets building to the south of the Pearson's courtyard will be removed and replaced with new, high-quality accommodation, this element of the scheme has been redesigned to complement the retained courtyard.
- The proposed new courtyard to the north of the site, has increased in massing to accommodate the need for student accommodation while retaining the locally listed Pearson's Court.
- The two low-rise buildings previously proposed in the southern part of the site have been removed in response to concerns raised regarding the proximity of the buildings to the nearby house.
- New low rise accommodation is proposed set further back from the southern boundary and deeper into the site to mitigate proximity to the neighbours.
- New accommodation is now proposed above the catering Hub building and to the centre of the site.
- The Social facilities including the bar, café and dining facilities will be located in the centre of the site away from the southern boundary.
- The Combined Heat and Power (CHP) energy centre has been relocated to the centre of the site away from the southern boundary.

- Warden accommodation will be provided within the existing accommodation on the southern boundary and an updated Student Management Plan have been introduced as part of the revised application.

A contamination statement for planning guidance is presented on the following page.

Phase 1 Detailed Desk Top Study

Client: University Partnerships Programme (UPP)
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For and on behalf of **Curtins**

Planning Guidance: Contamination Statement
Does the site described herein involve any of the following: a. Land which is known to be contaminated? No b. Land where contamination is suspected for all or part of the site? Yes c. A proposed use that would be particularly vulnerable to the presence of contamination? No

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1.0 Introduction

In September 2015 Curtins were instructed by University Partnership Programme (UPP) to undertake a Phase 1 Geo-Environmental Detailed Desk Top Study of a site at St Patricks Hall, Reading.

In November 2017 Curtins were instructed to amend this document in line with an alteration to the original proposals. These proposals involve the retention of Pearsons court which has recently been designated a locally listed building and reduction in the scale of development along the southern boundary in order to reduce the impact on nearby houses. There will be increased massing of development in other areas of the site to retain the number of student beds. These revised proposals are summarised on the insert at the beginning of this document.

The site is centred on national grid reference, 472690, 171750 with an area of 3.83ha. A location plan can be referred to in Appendix A1.

The site is currently an active part of the University of Reading, containing a mixture of student accommodation and educational buildings.

1.1 Scope of Phase 1 Investigation – Detailed Desk Top Study

The desk top study is to be undertaken, principally, to provide an overview of the geo-environmental setting of the site of interest with a brief assessment of any risks that could be presented to site users and the wider environment.

Additionally the desk top study should provide information that could be used to ascertain the extent of any in-situ geo-environmental investigation required to confirm the site conceptual model developed in the desk top study. The desk top study provides an initial view in respect of the status of the site with regard to:

- The potential impact on the site of interest from surrounding land uses and other environmental factors.
- Potential contamination of the site strata by historical and or current use.
- The potential impact on the wider environment by historical and or current use of the site of interest.
- Potential problems associated with geological features such as faulting, mineral extraction, mining and land instability.
- The location of apparent sub-surface structures that may affect the proposed redevelopment.
- The location of above-surface features that may affect the proposed redevelopment.

2.0 Phase 1 – Detailed Desk Top Study

In accordance with the scope identified in Section 1.0, this desk top study has been undertaken using the following data sources and involves no intrusive investigations or testing.

- Envirocheck Report.
- British Geological Society 1:50,000 map.
- British Geological Society website.
- Coal Authority Interactive Mapping
- Environment Agency website.
- Radon Atlas for England and Wales.
- UK Radon interactive mapping website.

2.1 Previous Site Use

The earliest historical map dated 1877-1879 illustrates the site to be occupied by open fields and farmland. By 1912 the site now illustrates a few small buildings, possible farm houses towards the northern part of the site.

The 1932 historical map now illustrates the site to be occupied by St Patricks Hall located in the centre of the site. Between 1969 to 1972 the site is now completely occupied by St Patricks Hall and several additional University buildings across the site. There is an electrical Substation located towards the northern part of the site.

The site remains predominantly unchanged until 1994 when additional buildings labelled Sherfield Hall (University Halls) to the western side of the boundary.

The remains the same until present day.

2.2 Surrounding Land Use

The historical map dated 1877-1879 shows the surrounding area to be predominantly open field and farmland with sparse woodland. Adjacent North West of the site boundary is Whitley Park Farm. Further north of the site boundary circa 100m is a slightly built up area of residential and commercial buildings. There is a small pond south west adjacent to the site surrounded by trees.

The surrounding area continues to illustrate significant development of housing and commercial buildings throughout the historical maps between 1912 and 1972 adjacent to and up to 1000m from the site boundary.

The present day historical map illustrates all surrounding areas to have been significantly developed, predominantly residential housing and commercial properties.

2.3 Mapping Data Recorded in the Envirocheck Report

The Envirocheck report contains historical ordnance survey maps (Berkshire) as identified below.

- 1:2,500 scale maps provided for the survey publication of 1877-1879, 1899, 1912, 1932 and 1958-1959.
- 1:1,250 scale maps provided for the survey publication of 1958, 1969-1972, 1972-1993, 1990, 1993 and 1994-1995.
- 1:10,000 scale maps for the survey publication of 1962, 1973, 1979, 1990, 1995, 1999, 2006 and 2015.
- 1:10,560 scale maps for the survey publication of 1883, 1900, 1901, 1913, 1933, 1938 and 1948.

A summary of the map records is provided on the following pages; a copy of all maps obtained can be referred to in Appendix A2.

Date	Scale	Description
1:10,560 and 1:10,000		
1883	1:10,560	The site is occupied by field and farmland only with sparse woodland to the northern corner. The surrounding area is devolved to the north with residential and commercial dwellings located circa 200-100m from the site. Adjacent north west of the site is Whitley Park Farm.
1900	1:10,560	The site remains the same as the previous historical map. North east approximately 600m from the site illustrates heavy development of residential housing.
1901	1:10,560	The site remains the same as the previous historical map. The surrounding site remains the same as the previous historical map.
1913	1:10,560	The site is now occupied by a few small buildings to the north of the site. The surrounding area continues to be developed in all northern areas from the sites boundary.
1933	1:10,560	The site is now occupied by St Patricks Hall which covers the majority of the site. The surrounding areas in all compass directions illustrate continuous development. The most significant being adjacent east of the site and to the south where a number of residential buildings have now been developed.
1938	1:10,560	The site remains the same as the previous historical map. There are no significant changes illustrated apart from development in existing built up areas continues.
1948	1:10,560	The site and surrounding area remains predominantly the same as the previous historical map.
1962	1:10,000	The site and surrounding area remains predominantly the same as the previous historical map.
1973	1:10,000	The site now illustrates a new building located to the north of the site. West of the site now illustrates more housing development.
1979	1:10,000	The site and surrounding area remains predominantly the same as the previous historical map with only slight development to existing areas surrounding the site.

1990	1:10,000	The site remains the same as the previous historical map. The surrounding site remains the same as the previous historical map.
1995	1:10,000	The site illustrates some development to the western part of the site and the surrounding area remains predominantly the same as the previous historical map.
1999	1:10,000	The site and surrounding area remains predominantly the same as the previous historical map.
2006	1:10,000	The site remains the same as the previous historical map. West adjacent to the site boundary illustrates several new buildings possibly associated with the university buildings located on site.
2015	1:10,000	The site and surrounding area remains the same as the previous historical map.
1:1,250 and 1:2,500 Scale Mapping		
1877-1879	1:2,500	The site is open fields and farmland with some woodland to the northern corner on the sites boundary. The surrounding area is predominantly open field and farmland with sparse woodland. Adjacent north west of the site boundary is Whitley Park Farm. Further north of the site boundary circa 100m is a slightly built up area of residential and commercial buildings. There is a small pond south west adjacent to the site surrounded by trees.
1899	1:2,500	The site remains the same as the previous historical map. Allotment Gardens are recorded adjacent east of the site.
1912	1:2,500	The site is now occupied by a few residential dwellings to the northern part of the site. The surrounding area to the south east illustrates some development of residential dwellings and also to the north east circa 100m from the site boundary.
1932	1:2,500	The site is now fully occupied with residential to the north and St Patricks Hall central of the site. The surrounding area adjacent east shows significant development of residential dwellings up to 100m and also towards the south up to 150m.
1958-1959	1:2,500	The site remains the same as the previous historical map. The surrounding area remains predominantly the same with development continuing to the south of the site.
1958	1:1,250	The site remains the same as the previous historical map.
1959	1:2,500	No tiles are illustrated on the historical map.

1969-1972	1:1,250	The site is now completely occupied by St Patricks Hall and several additional University buildings across the site. There is an electrical Substation located towards the northern part of the site. The surrounding area is now heavily developed and illustrates housing and commercial buildings in all surrounding areas from the site boundary up to 200m.
1972-1993	1:1,250	No tiles illustrated on map.
1990	1:1,250	No tiles illustrated on map.
1993	1:1,250	The site and surrounding area remains predominantly the same as the previous historical map.
1994-1995	1:1,250	The site now illustrates additional building labelled Sherfield Hall (University Halls) to the western side of the boundary.
1993	1:1,250	The site remains the same as the previous historical map. The surrounding area remains the same as the previous historical map.

2.4 Geographical Special Features

No geological features are recorded that could potentially affect redevelopment.

2.5 Geology

A study of the Envirocheck records and British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Reading (sheet 268) indicates the following geological succession underlying the site.

Rock Name	Rock Type	Geological Age
North east corner – Boyn Hill Gravel Member	Sand and Gravel	Wolstonian Hoxnian
London Clay Formation	Clay, Silt and Sand	Eocene – Eocene

There are no BGS fault lines located within 1000m of the site boundary.

The Envirocheck Report confirms that there is a low risk to no hazard from the following ground stability hazards on and around the site; running sands, collapsible ground, compressible ground, landslide ground, shrinking or swelling clay and ground dissolution. is recorded as a Low to 'no hazard' hazard potential.

The Radon Atlas for England and Wales confirms the site is in a lower probability radon area, as less than 1% of homes are above the action level. No radon protective measures are necessary in the construction of new dwellings or extensions.

2.5.1 Mining

The Envirocheck report and Coal Authority Interactive Mapping confirms that the site is not within an area which may be affected by coal mining and as such a Coal Authority report has not been obtained.

2.6 Hydrogeology and Hydrology

The 1:100,000 Sheet 39 West London Groundwater Vulnerability Map indicates that the site, corresponding with the underlying solid geology, is underlain by Secondary A Aquifer in the superficial deposits in the north corner of the site and an Unproductive Strata in the bedrock aquifer designations.

Secondary Aquifer A are 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.

Unproductive Strata are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

The site is not situated within a Source Protection Zone (SPZ) or any sensitive land uses.

The nearest surface water feature is a drain, 15m south of the site.
There are no surface water abstractions within a 1000m of the site.

The nearest groundwater abstraction is located 189m east of the site and is located at Whiteknights Park, Reading.

Twelve Local Authority Pollution Prevention and Controls are recorded within a 1000m of the site boundary. The closest to the site is 149m north of the site, at 53 60 Christchurch Road, Reading, RG2 7az in November 2011.

Seven Pollution Incidents to Controlled Waters are recorded within a 1000m of the site boundary. The closest incident to the site boundary is 114m south-east of the site in June 1997. The pollutant was chemicals – Unknown and was Category 3 minor incident.

There is no risk from extreme flooding from rivers or sea without defences on the site.

2.7 Landfill

There are no BGS Recorded Landfill Sites located within 1000m of the site.

There is one historical landfill site located 925 west and is located on Craddock Road. Specified waste included Inert and Industrial Waste.

2.8 Public Utility Records

Public utility plans have not been obtained as a part of this report.

2.09 Unexploded Ordnance (UXO) Risk Assessment

The site of interest is located at St Patricks Hall, Reading.

Risk mapping for UXOs has placed the site within a Moderate risk area.

Moderate-risk regions are those that show a bomb density of between 11 and 50 bombs per 1000 acres and that may contain potential WWII targets. Action to mitigate the risk is considered essential, albeit more likely that a reduced scope of work is required compared with that needed for high-risk regions.

The site has been largely developed since 1913 according to historical mapping.

Historical maps for the site and surrounding area show no evidence of bomb damage.

In light of these findings and in accordance with CIRIA's publication on managing UXO risks, it is recommended that no further action is warranted and a UXO risk assessment will not be required.

2.10 Other Significant Features Potentially Affecting Re-Development

There are no special significant features that may potentially affect the development / re-development of the site.

3.0 Conclusions

3.1 Conceptual Model

This assessment is based on information obtained by a desk based study with no intrusive site investigation information reviewed.

The following sub-sections present a non-exhaustive list of the possible sources, pathways and receptors that exist within the site conceptual model for the site.

Potential source-pathway-receptor linkages that may arise are discussed in the following section, the Qualitative Risk Assessment.

A Diagrammatic Conceptual Model is provided in Appendix A3.

3.1.1 Potential Sources

Potential Source (S1): Made-ground Soils On Site

Likely, there is evidence of historical development and demolition on the site since the late 1890's. It should be noted that poorly managed demolition can result in material such as asbestos or heating oil's being present in the sub-soils.

Additionally there have been potentially contaminative end uses present such as a printing works and builder's yard.

The nature and type of contamination may include, amongst others; hydrocarbons (e.g. fuel oils) from previous fuel storage; PAH's metals and asbestos from ash and demolition fill; S-VOC's from Printing Inks.

Potential Source (S2): Made-ground Soils Off Site

Off-site soils have been exposed to cycles of development and demolition so there is potential for contamination to be present in made ground in areas surrounding the site.

The nature and type of contamination may include, amongst others; hydrocarbons (e.g. fuel oils) from fuel storage, gasworks and railway land; PAH's metals and asbestos from ash and demolition fill and railway land and gasworks; S-VOC's cyanide and sulphur from gasworks

Potential Source (S3): Natural Soils both On and Off Site

Regionally elevated levels of metals may be present within the shallow soils, however the superficial and bedrock deposits beneath the site and within the immediate surrounding area are not considered to present significant sources of natural contamination.

Potential Source (S4): Ground Gas Generating Sources

May be present due to made ground deposits across the site from historical developments and the Alluvial deposits crossing part way into the site on the north east boundary.

There is one historical landfill site located 925 west and is located on Craddock Road. Specified waste included Inert and Industrial Waste.

Potential Source (S5): Geological Deposits with Potential to Generate Radon

The Radon Atlas for England and Wales confirms the site is in a lower probability radon area, as less than 1% of homes are above the action level. No radon protective measures are necessary in the construction of new dwellings or extensions.

Potential Source (S6): Unexploded Ordinance

Risk mapping for UXOs has placed the site within a Moderate risk area.

The site has been predominantly development since the earliest mapping dated 1913. The site has continued to be developed up to present day.

Historical maps for the site and surrounding area show no evidence of ruins.

In light of these findings and in accordance with CIRIA's publication on managing UXO risks, it is recommended that no further action is warranted and a UXO risk assessment will not be required.

Potential Source (S7): Mining Workings

The site is not within an area which may be affected by coal mining activity.

3.1.2 Potential Pathways
Potential Pathway (P1): Direct Contact, Ingestion and Inhalation (dust and vapours)

May occur where the end user is exposed to; solid, dust or volatile components of made-ground soils on site. At this stage limited to construction workers undertaking excavations on site; development essentially all hard covered

Potential Pathway (P2): Vertical Migration

May occur within the made-ground deposits on-site both upwards, due to processes including; capillary action, burrowing animals inducing soil mixing, and downwards into the natural deposits due to processes including; infiltration and burrowing animals. Includes ground gas migration.

Soils of high leaching potential are found onsite.

Potential Pathway (P3): Horizontal Migration

May occur within the made-ground or natural deposits due to processes including; the influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. sand lenses or drainage runs or pores/voids within natural and made-ground soils for ground gases.

Potential Pathway (P4): Collapse

Unlikely on this site.

3.1.3 Potential Receptors
Potential Receptor (R1): End Users

Site maintenance staff/construction workers breaking ground surface.

Potential Receptor (R2): Controlled Waters (Groundwater)

The site is underlain by a Secondary Aquifer - A in the superficial deposits in the north east corner and a Unproductive Strata – in the bedrock aquifer designations

The site is not situated within a Source Protection Zone (SPZ).

The nearest groundwater abstraction is located 189m east of the site and is located at Whiteknights Park, Reading.

Potential Receptor (R3): Controlled Waters (Surface Waters)

The nearest surface water feature is a drain, 15m south of the site.

There are no surface water abstractions within 1000m of the site.

Potential Receptor (R4): Construction Workers

Whilst unlikely, during the development of the site, construction workers may come into contact with any contamination that is on site. However, wearing the correct personal protective equipment will reduce the risk.

Potential Receptor (R5): Construction Materials

Buried concrete and water supply pipes.

Potential Receptor (R6): Local Ecology

Protected species and local habitats; e.g. hedgerow, grassland and water.

3.2 Qualitative Risk Assessment

The qualitative risk assessment details both the source-pathway-receptor linkages and associate level of risk that have been identified for the site.

The rationale for the qualitative risk assessment is described within Appendix A4 and a tabulated summary provided in Table A4.1.

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. Unless specifically noted it does not necessarily refer to an immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.

3.2.1 End User

Assessment of Risk to End Users from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Likely, there is evidence of historical development and demolition located on site.</i>
Potential Pathway	P1: Direct contact, ingestion and inhalation
<i>Details</i>	<i>Through landscaped areas</i>
Potential Receptor	R1: Site users
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Students, visitors, site management staff and general public).</i>
Risk	Moderate
<i>Recommendation</i>	<i>Detailed investigation and risk assessment required for future development</i>

Assessment of Risk to End Users from Made-Ground Soils Off-Site	
Potential Source	S2: Made-ground soils off site
<i>Likelihood of Occurrence</i>	<i>Likely due to evidence of extensive development and re-development off-site in all surrounding areas.</i>
Potential Pathway	P3 & P1: Horizontal migration then direct contact, ingestion and/or inhalation
<i>Details</i>	<i>Future development end users but likely only in any landscaping areas</i>
Potential Receptor	R1: End users
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Students, visitors, site management staff and general public).</i>
Risk	Moderate
<i>Recommendation</i>	<i>Detailed investigation and risk assessment required for future development</i>

Assessment of Risk to End Users from Ground Gas Generating Sources	
Potential Source	S4: Ground gas generation sources (e.g. landfills or made-ground)
<i>Likelihood of Occurrence</i>	<i>Likelihood, there are likely to be made ground deposits across the site from historical developments and land use. There are alluvial deposits also present on the site along the north eastern boundary.</i>

Potential Pathway	P2 & P3: Vertical and horizontal migration
<i>Details</i>	<i>Direct gassing of on-site soils or migration along natural low permeability horizons within superficial or bedrock deposits.</i>
Potential Receptor	R1: End users
<i>Consequence (Potential Severity)</i>	<i>Severe due to human health effects (explosive, toxic and asphyxiate gases) for all receptors.</i>
Risk	Moderate/High
<i>Recommendation</i>	<i>Ground gas monitoring for future development</i>

Assessment of Risk to End Users from Unexploded Ordnance (UXO)	
Potential Source	S6: Unexploded Ordnance
<i>Likelihood of Occurrence</i>	<i>Unlikely, as the risk mapping for UXOs has placed the site within a medium risk area. The site has been predominantly development since the mapping dated 1913 shows. Historical maps for the site and surrounding area show no evidence of ruins.</i> <i>In light of these findings and in accordance with CIRIA's publication on managing UXO risks, it is recommended that no further action is warranted and a UXO risk assessment will not be required.</i>
Potential Pathway	P1: Direct contact
<i>Details</i>	<i>All groundwork activities.</i>
Potential Receptor	R1: End Users
<i>Consequence (Potential Severity)</i>	<i>Severe due to human health effects (explosive) for receptor.</i>
Risk	Moderate / Low
<i>Recommendation</i>	<i>A Detailed UXO report is not required for this site.</i>

3.2.2 Groundwater

Assessment of Risk to Groundwater from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Likely, there is evidence of historical development and demolition on the site, since the early 1990's. It should be noted that poorly managed demolition can result in material such as asbestos or heating oil's being present in the sub-soils.</i> <i>The nature and type of contamination may include, amongst others; hydrocarbons (e.g. fuel oils) from previous fuel storage; PAH's metals and asbestos from ash and demolition fill;</i>

Potential Pathway	P2: Vertical migration
<i>Details</i>	<i>Leaching or percolation of potential contaminants.</i>
Potential Receptor	R2: Controlled waters (Groundwater)
<i>Consequence (Potential Severity)</i>	<i>Mild as the site is underlain by a Secondary Aquifer - A in the superficial deposits and an Unproductive Strata in the bedrock aquifer designations. The site is not situated within a Source Protection Zone (SPZ). The nearest groundwater abstraction is located 189m east of the site and is located at Whiteknights Park, Reading</i>
Risk	Moderate/Low
<i>Recommendation</i>	<i>Detailed investigation and risk assessment required for future development</i>

3.2.3 Surface Water

Assessment of Risk to Surface Water from Made-Ground Soils On-Site	
Potential Source	S1: Made-ground soils on site
<i>Likelihood of Occurrence</i>	<i>Likely, there is evidence of historical development and demolition on the site, with the construction of St Patricks Hall. It should be noted that poorly managed demolition can result in material such as asbestos or heating oil's being present in the sub-soils. The nature and type of contamination may include, amongst others; hydrocarbons (e.g. fuel oils) from previous fuel storage; PAH's metals and asbestos from ash and demolition fill;</i>
Potential Pathway	P3: Horizontal migration
<i>Details</i>	<i>Leaching or percolation of potential contaminants.</i>
Potential Receptor	R3: Controlled waters (Surface Waters)
<i>Consequence (Potential Severity)</i>	<i>Mild due to anticipated sensitivity/grade of the closest surface water feature- The nearest surface water feature is a drain, 15m south of the site.</i>
Risk	Moderate/Low
<i>Recommendation</i>	<i>Detailed investigation and risk assessment required for future development</i>

3.2.4 Construction Workers

Assessment of Risk to Construction Workers from Made-Ground & Natural Soils On and Off Site	
Potential Source	S1 & S2 & S3: Made-ground & natural soils on and off site

<i>Likelihood of Occurrence</i>	<i>Made Ground</i> On-site: Likely Off-site: Likely <i>Natural</i> On-site: Likely Off-site: Likely
Potential Pathway	P1: Direct contact, ingestion and inhalation
<i>Details</i>	<i>Groundwork and landscaping activities.</i>
Potential Receptor	R4: Construction workers
<i>Consequence (Potential Severity)</i>	<i>Minor due to correct use of personal protective equipment (PPE).</i>
Risk	Negligible
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils in excavation locations to confirm quality and composition to advise requirements for PPE.</i>

Assessment of Risk to Construction Workers from Unexploded Ordnance (UXO)	
Potential Source	S6: Unexploded Ordnance
<i>Likelihood of Occurrence</i>	<i>Unlikely to be present on site. The risk mapping for UXOs has placed the site within a medium risk area.</i> <i>The site has been predominantly development since the mapping dated 1931. The site has continued to be developed up to present day. Historical maps for the site and surrounding area show no evidence of ruins.</i>
Potential Pathway	P1: Direct contact
<i>Details</i>	<i>All groundwork activities.</i>
Potential Receptor	R4: End Users
<i>Consequence (Potential Severity)</i>	<i>Severe due to human health effects (explosive) for receptor.</i>
Risk	Moderate / Low
<i>Recommendation</i>	<i>A Detailed UXO report is not required for the site</i>

3.2.5 Construction Materials

Assessment of Risk to Construction Materials from Made-Ground Soils On Site	
Potential Source	S1: Made-ground soils on site

<i>Likelihood of Occurrence</i>	<i>Likely, there is evidence of historical development and demolition on the site.</i>
Potential Pathway	P1: Direct contact
<i>Details</i>	<i>Soil pore water chemistry inducing chemical degradation/fouling.</i>
Potential Receptor	R5: Construction materials
<i>Consequence (Potential Severity)</i>	<i>Mild due to reduced performance of construction materials and human health affects (water supply contamination).</i>
Risk	Moderate/ Low
<i>Recommendation</i>	<i>Detailed investigation and risk assessment required for future development</i>
<i>Recommendation</i>	<i>Advice of an ecologist obtained with respect to any requirements.</i>

3.3 Conclusion and Recommendations

The qualitative risk assessment determined an overall **Moderate** to **Low** level of risk from potential contaminants to end users and construction/maintenance workers with regard to continued use of the site as is.

The risk to the end user from ground gases is determined to be **Moderate/High** due to the severity of the consequence to human health effects from ground gases. Given the longstanding occupation of the site by 'recent' development with no known incidences it is assumed that buildings have working gas protection measures or indeed do not require them; in this case the risk would be reduced to **Low**.

The risk to surface and groundwater has been assessed as **Low/Moderate** but assessment would likely only be required during future development. There is a risk albeit considered to be low that local remedial treatment could be required during future development.

The risks have been generated using the features identified during the historical mapping assessment. Key sources of perceived risk are linked to the made ground on and around the site that may have been contaminated by on site development and redevelopment.

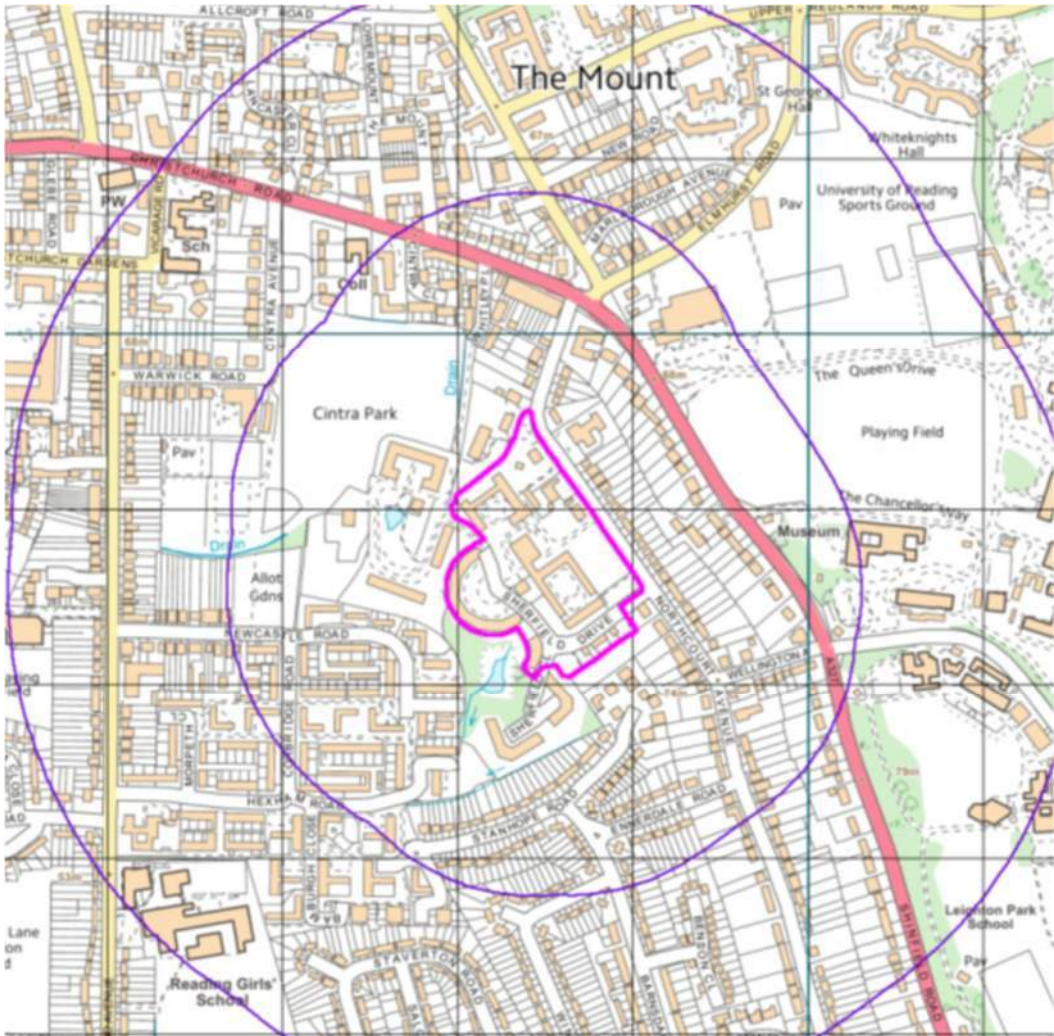
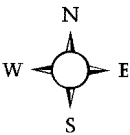
The desk based research has shown that the site has been subject to numerous cycles of development from the early 1900's.

Notwithstanding there may be remedial actions required to make the site, parts of the site suitable for use for future development. Consequently it is recommended that for future development or works requiring excavations that an intrusive investigation is undertaken to confirm the conceptual model or otherwise.

Environmental soil samples for chemical analysis should be obtained to determine if any contamination of the shallow soils and natural ground is present on site. Geotechnical samples should also be obtained in support of the design of foundations and roads. In addition, the intrusive investigation will allow for the monitoring and sampling of groundwater / gas at the borehole locations.

Appendix A1 – Site Location Plan

Site Location Plan



Crown copyright. Licence Number 100020245

Key

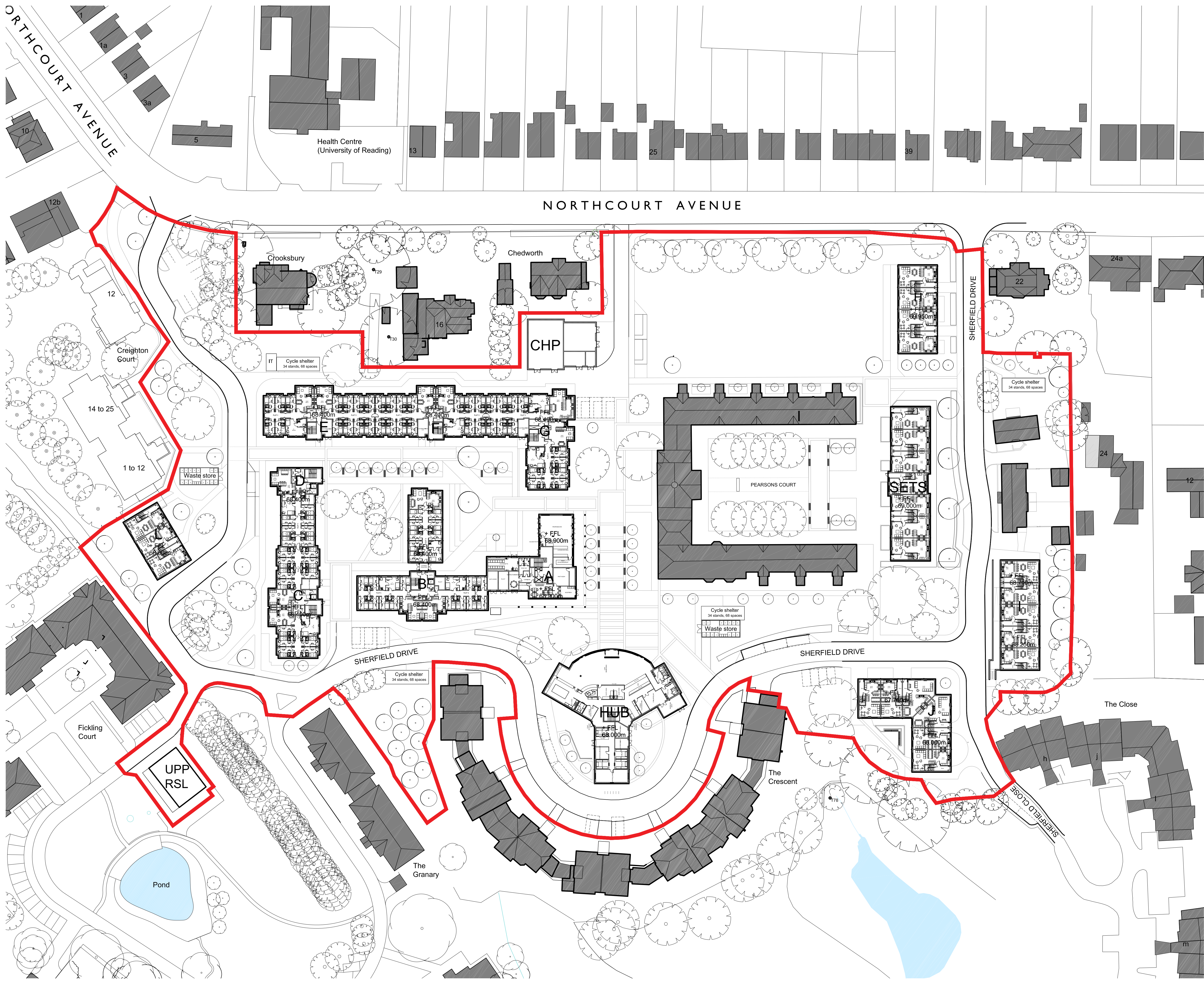
 Approximate site boundary

Project
St Patricks Hall, Reading
Drawing Title
Site Location Plan

Job Reference
EB1834
Date
01.10.2015

Author
GL
Checked
DM

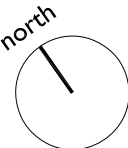

Bristol
Quayside
40-58 Hotwell Road
Bristol
BS8 4UQ
T. 0117 302 7560



Notes

This drawing is the property of Willmore Iles Architects.

All work to be carried out in accordance with current Building Regulations.



Amendment	Drawn	Chkd	Date	Rev
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267 Horwath Road - Horwath - Bristol - BS8 4SF - Tel: 0117 9450962 - Fax: 0117 9450963
www.willmoreiles.com

Drawing Status **PLANNING**

Client
UNIVERSITY PARTNERSHIPS PROGRAMME

Job Title
**ST PATRICKS HALL
UNIVERSITY OF READING**

Drawing Title
PROPOSED SITE PLAN

Scale	Size	Drawn	Checked	Date
1:500	A1	RT	AI	NOV 2017
Dwg No	StP-WIA-00-GF-DR-A-000003			Rev

Appendix A2 – Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

72923493_1_1

Customer Reference:

EB1834

National Grid Reference:

472690, 171750

Slice:

A

Site Area (Ha):

3.83

Search Buffer (m):

1000

Site Details:

St Patricks Hall
Northcourt Avenue
Reading
RG2 7HB

Client Details:

Mr G Behrens
Curtins Consulting Ltd
Quayside
40-58 Hotwell Road
Bristol
BS8 4UQ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	12
Hazardous Substances	13
Geological	14
Industrial Land Use	23
Sensitive Land Use	35
Data Currency	36
Data Suppliers	41
Useful Contacts	42

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1		8
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3		2		10
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4		1	1	5
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 6				1
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6		3		1 (*14)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 10	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones	pg 10			3	1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage	pg 11		Yes		n/a

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	pg 12				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
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	pg 13				1
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 14	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 21				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities	pg 21				1
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 23		3	1	129
Fuel Station Entries	pg 34		1		1
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 35	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Bewley Homes Plc Property Type: Domestic Property (Multiple) Location: 46 - 50 Christchurch Rd Reading Berkshire Rg2 7ba Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CAWM.0065 Permit Version: 1 Effective Date: 1st September 1999 Issued Date: 20th January 2000 Revocation Date: 18th May 2000 Discharge Type: Trade Effluent Discharge: Into Land Environment: Receiving Water: Into Land Status: Consent revoked: Discharge ceased (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	199	2	472500 172000
2	Discharge Consents Operator: Gowering'S Ltd (Now Zenith Motors (Reading) Ltd Property Type: Undefined Or Other Location: Premises At 160 Basingstoke Road, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.0689 Permit Version: 1 Effective Date: 12th March 1964 Issued Date: 12th March 1964 Revocation Date: 1st August 1990 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted Trib Of Kennet Status: Authorisation revokedRevoked Positional Accuracy: Manually corrected supplier location	A12SW (W)	795	2	471800 171600
2	Discharge Consents Operator: Gowering'S Ltd (Now Zenith Motors (Reading) Ltd Property Type: Undefined Or Other Location: Premises At 160 Basingstoke Road, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.0691 Permit Version: 1 Effective Date: 12th March 1964 Issued Date: 12th March 1964 Revocation Date: 1st August 1990 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted Trib Of Kennet Status: Authorisation revokedRevoked Positional Accuracy: Manually corrected supplier location	A12SW (W)	795	2	471800 171600
3	Discharge Consents Operator: University Of Reading Property Type: Education Location: J J Thompson Physical Lab, University Of Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTCR.0714 Permit Version: 2 Effective Date: 7th May 1992 Issued Date: 21st July 1964 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge: Pond - No Outlet Environment: Receiving Water: Whiteknightslake Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	862	2	473540 172170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: University Of Reading Property Type: Education Location: J J Thompson Physical Lab, University Of Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.0714 Permit Version: 1 Effective Date: 21st July 1964 Issued Date: 21st July 1964 Revocation Date: 6th May 1992 Discharge Type: Trade Discharges - Cooling Water Discharge: Pond/Lake Environment: Receiving Water: Whiteknightslake Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	862	2	473540 172170
4	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Reading, Universityreadinguniversity Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1777 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: Whiteknights Stream Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A19SE (E)	881	2	473600 172100
4	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Reading, Universityreadinguniversity Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1777 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: Whiteknights Stream Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m	A19SE (E)	881	2	473600 172100
5	Discharge Consents Operator: University Of Reading Property Type: Education Location: Plant Science, Food Studies & Chemistry Depts, University Of Reading, Berk Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CNTM.0105 Permit Version: 1 Effective Date: 26th February 1992 Issued Date: 26th February 1992 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge: Pond - No Outlet Environment: Receiving Water: Whiteknightslake Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A15SW (E)	960	2	473770 171740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Reading, Cradock Roadreadingcradock Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1772 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 27th January 1997 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kennet Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	973	2	471700 171300
7	Local Authority Pollution Prevention and Controls Name: Laundry 2 Go Location: 60 Christchurch Road, Reading, Rg2 7az Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC2/P2 Dated: 1st November 2011 Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13NW (N)	149	3	472660 172058
8	Local Authority Pollution Prevention and Controls Name: Wadham Kenning Motor Group Ltd Location: Christchurch Road, READING, Berkshire, RG2 7AZ Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/10/92 Dated: 20th January 1993 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	223	3	472573 172106
9	Local Authority Pollution Prevention and Controls Name: Tydex Dry Cleaners Location: 61 Whitley Street, Reading, Rg2 0eg Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC14/P1 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Authorisation certificate surrendered by operatorSurrendered Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	739	3	472026 172280
10	Local Authority Pollution Prevention and Controls Name: Reg Vardy Location: 160 Basingstoke Road, READING, Berkshire, RG2 0HJ Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/9/92 Dated: 25th September 1993 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorised Positional Accuracy: Automatically positioned to the address	A12SW (W)	808	3	471789 171584
11	Local Authority Pollution Prevention and Controls Name: Jewson Ltd Location: Cradock Road, READING, Berkshire, RG2 0JU Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/17/94 Dated: 8th February 1996 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorised Positional Accuracy: Automatically positioned to the address	A12SW (W)	878	3	471723 171556
11	Local Authority Pollution Prevention and Controls Name: Trollope & Colls Location: Cradock Road, READING, Berkshire, RG2 0JY Authority: Reading Borough Council, Environmental Health Department Permit Reference: Epa/Par.B/14/93 Dated: 7th December 1995 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	896	3	471710 171524

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Local Authority Pollution Prevention and Controls Name: Sunnyside Autos Ltd Location: Unit 31 Britten Road, Robert Cort Industrial Estate, READING, Berkshire, RG2 0AU Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/19/95/P1 Dated: 12th June 1996 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Automatically positioned to the address	A12NW (W)	920	3	471702 172033
13	Local Authority Pollution Prevention and Controls Name: A To Z Cleaners Location: 32 Erleigh Road, Reading, Rg1 5na Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC8/P2 Dated: 1st January 2009 Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A23SE (N)	943	3	472996 172799
14	Local Authority Pollution Prevention and Controls Name: Britten Autos Location: Unit 15-17 Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Authority: Reading Borough Council, Environmental Health Department Permit Reference: EP/PAR.B/WO3/P2 Dated: 1st December 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A11NE (W)	977	3	471654 172072
15	Local Authority Pollution Prevention and Controls Name: T & M Motors Limited Location: 4 Arkwright Road, Reading, Berkshire, Rg2 0lu Authority: Reading Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Manually positioned to the address or location	A11SE (W)	978	3	471634 171487
16	Local Authority Pollution Prevention and Controls Name: Autodex Ltd Location: Unit 2 Elgar Estate, Preson Road, READING, Berkshire, RG2 0BE Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/14/93/P1 Dated: 8th March 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Application Refused Or Cancelled Positional Accuracy: Manually positioned to the address or location	A16SE (NW)	990	3	471686 172198
17	Local Authority Pollution Prevention and Controls Name: Trollope And Colls Location: Lyon House, Craddock Road, READING, Berkshire, RG2 0JT Authority: Reading Borough Council, Environmental Health Department Permit Reference: Epa/Par.B/24a/93 Dated: 7th December 1995 Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Authorised Positional Accuracy: Manually positioned to the address or location	A11SE (W)	994	3	471600 171600
	Nearest Surface Water Feature	A13SW (S)	15	-	472661 171644
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 22nd June 1997 Incident Reference: THWE1997029339 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	114	2	472900 171600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 13th July 1993 Incident Reference: WE930236 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	A18SW (NW)	261	2	472500 172100
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed incident Incident Date: 8th April 1999 Incident Reference: THWE1999042538 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 10m	A14SW (E)	522	2	473300 171500
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: Not Supplied Incident Reference: WE960138 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	A12NW (W)	625	2	472000 172000
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: EARLEY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 29th July 1993 Incident Reference: WE930257 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	A19SE (NE)	859	2	473540 172165
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Reading University Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 12th October 1993 Incident Reference: WE930348 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	A14SE (E)	889	2	473700 171700
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 10th February 1995 Incident Reference: WE950053 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	A11SE (W)	994	2	471600 171600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Registered Radioactive Substances Name: University Of Reading Location: PO Box 217, READING, Berkshire, RG6 6AH Authority: Environment Agency, Thames Region Permit Reference: Bw8224 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Application has been authorised and any conditions apply to the operatorAuthorised Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	617	2	473170 172290
26	Water Abstractions Operator: University Of Reading Licence Number: 28/39/22/0077 Permit Version: 100 Location: Whiteknights Park, Reading Authority: Environment Agency, Thames Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1056 Yearly Rate (m3): 240000 Details: Whiteknight Park, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (E)	189	2	473000 171700
27	Water Abstractions Operator: University Of Reading Licence Number: 28/39/22/0077 Permit Version: 103 Location: Whiteknights Park - Reading - Borehole Authority: Environment Agency, Thames Region Abstraction: Schools And Colleges: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Whiteknights Park - Reading Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	229	2	473040 171700
27	Water Abstractions Operator: University Of Reading Licence Number: 28/39/22/0077 Permit Version: 102 Location: Whiteknights Park - Reading - Borehole Authority: Environment Agency, Thames Region Abstraction: Schools And Colleges: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Whiteknights Park - Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th August 2004 Permit End Date: 31st March 2011 Positional Accuracy: Located by supplier to within 10m	A14SW (E)	229	2	473040 171700
28	Water Abstractions Operator: Royal Berkshire Hospital Licence Number: 28/39/22/0521 Permit Version: 100 Location: Royal Berkshire Hospital Authority: Environment Agency, Thames Region Abstraction: Hospitals: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 350 Yearly Rate (m3): 127750 Details: Royal Berkshire Hospital, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th January 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	933	2	472400 172800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Wyncote Developments Plc Licence Number: 28/39/22/0555 Permit Version: Not Supplied Location: Rose Kiln Lane, READING, Berkshire Authority: Environment Agency, Thames Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 864 Yearly Rate (m3): 315360 Details: Chalk (Undifferentiated) Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NE (SW)	1288	2	471400 171200
	Water Abstractions Operator: Birse Construction Ltd Licence Number: 28/39/22/0552 Permit Version: Not Supplied Location: Coley, READING Authority: Environment Agency, Thames Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 3 Yearly Rate (m3): 318 Details: Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SW (NW)	1425	2	471300 172400
	Water Abstractions Operator: Oracle Shopping Centre Ltd Licence Number: 28/39/22/0594 Permit Version: 1 Location: St.Giles Stream At The Oracle Centre, Reading Authority: Environment Agency, Thames Region Abstraction: Amenity: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Oracle Shopping Centre, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th February 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21NE (NW)	1650	2	471590 173150
	Water Abstractions Operator: M J Gleeson Group Plc Licence Number: 28/39/22/0600 Permit Version: 1 Location: Former Gasworks, Kenavon Drive, Reading (5 Boreholes) Authority: Environment Agency, Thames Region Abstraction: Environmental: Pump & Treat: Pollution Remediation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Former Gasworks, Kenavon Drive Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st July 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1690	2	472700 173600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh D' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1706	2	470970 171160
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'D' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1706	2	470970 171160
	Water Abstractions Operator: Clean Linen Services Ltd Licence Number: 28/39/22/0612 Permit Version: 1 Location: Darwin Close, Whitley, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Darwin Close Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1771	2	471360 170410
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'A' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 30000 Yearly Rate (m3): 1500000 Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Chalk (Undifferentiate) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1809	2	470850 171200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Clean Linen Services Ltd Licence Number: 28/39/22/0525 Permit Version: 101 Location: Darwin Close, Whitley, Reading Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 655 Yearly Rate (m3): 181840 Details: Darwin Close, Whitley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1SW (SW)	1821	2	471300 170400
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh A' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1824	2	470840 171180
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'B' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1886	2	470770 171200
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh B' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1891	2	470770 171180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh C' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1966	2	470680 171230
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'C' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1966	2	470680 171230
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 39 West London Scale: 1:100,000	A13SW (SE)	0	2	472694 171748
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (SE)	0	4	472694 171748
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	4	472720 171783
29	Source Protection Zones Name: Reading University Source: Environment Agency, Head Office Reference: Th200 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (NE)	282	2	473012 171924
30	Source Protection Zones Name: Reading University Source: Environment Agency, Head Office Reference: Th200 Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NE (NE)	282	2	473012 171924
31	Source Protection Zones Name: Reading University Source: Environment Agency, Head Office Reference: Th200 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A14NW (E)	303	2	473095 171823
32	Source Protection Zones Name: Reading University Source: Environment Agency, Head Office Reference: Th200 Type: Groundwater Source	A14SE (E)	589	2	473400 171730
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
33	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D006	A13SW (S)	15	2	472661 171644
34	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D006	A13SW (SW)	56	2	472626 171593
35	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D006	A13NW (NW)	68	2	472600 171901
36	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D006	A13SE (S)	73	2	472737 171536
37	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D006	A13NW (NW)	169	2	472544 172012

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	Historical Landfill Sites Licence Holder: Not Supplied Location: Reading, Berkshire Name: Craddock Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13301 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0345/0211 BGS Ref: Not Supplied Other Ref: RDG17, TP0107	A11SE (W)	925	2	471683 171514
	Local Authority Landfill Coverage Name: Reading Unitary Council - Has supplied landfill data		0	5	472694 171748
	Local Authority Landfill Coverage Name: Wokingham District Council - Has supplied landfill data		405	10	473218 171711

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	Planning Hazardous Substance Consents Name: Royal Berkshire Nhs Foundation Trust Location: Royal Berkshire Hospital, London Road, Reading, Rg1 5an Authority: Reading Borough Council, Planning Application Ref: 11/01974/HAZARD Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 21st December 2011 Decision: Withdrawn Positional Accuracy: Manually positioned to the address or location	A23SW (N)	894	5	472494 172784

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SW (SE)	0	4	472694 171748
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	0	4	472720 171783
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SE)	0	4	472694 171748
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	90	4	472694 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	154	4	472962 171681
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	163	4	472912 171539
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	189	4	473000 171748

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (E)	194	4	473000 171664
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (E)	199	4	473000 171772
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	216	4	473000 171572
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	320	4	473000 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	375	4	473067 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	390	4	472550 172278

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	411	4	473115 171996
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	413	4	473114 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	522	4	473238 172016
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	528	4	472577 172429
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	580	4	473311 172003
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	581	4	473314 172000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	581	4	472057 171463
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	588	4	472000 171748
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	605	4	471984 171668
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	605	4	472756 171004
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	606	4	472000 171927
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	607	4	472694 171000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	609	4	472746 171000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	611	4	472779 171000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	625	4	472000 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (NE)	650	4	473000 172477
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	656	4	472000 171407
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	666	4	473000 171000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	669	4	472505 172556
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	737	4	473546 171660
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	787	4	473000 172629
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	793	4	472012 171143
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	799	4	471819 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	802	4	473598 171865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	809	4	473000 170847
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	816	4	473574 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	865	4	472000 171052
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	877	4	471739 172000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	903	4	472000 171000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	990	4	471875 171000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	997	4	471592 171657
40	BGS Recorded Mineral Sites Site Name: Whitley Sand Pit Location: , Whitley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36353 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A7NW (W)	932	4	471710 171387
41	BGS Recorded Mineral Sites Site Name: Waterloo Kilns Claypit Location: Elgar Road, Katesgrove, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 10409 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A11NE (W)	958	4	471650 171970
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Man-Made Mining Cavities Easting: 471700 Northing: 171900 Distance: 898 Quadrant Reference: A12 Quadrant Reference: NW Bearing Ref: W Cavity Type: Possible Adit entrance Depicted-on Ordnance Survey Map Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Worked Ground Detail:	A12NW (W)	898	6	471700 171900
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	472694 171748
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	472694 171748
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	472694 171748
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	472694 171748

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	472694 171748
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	4	472720 171783
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	163	4	472912 171539
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	472694 171748
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	102	4	472859 171821
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	143	4	472673 172053
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	177	4	472985 171738
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	230	4	472985 171520
	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	A13SW (SE)	0	4	472694 171748
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	4	472694 171748

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Contemporary Trade Directory Entries Name: Top Gear Tyres Ltd Location: Whitley Park Lane, READING, RG2 7BE Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	120	-	472648 172025
42	Contemporary Trade Directory Entries Name: Laundry To Go Location: 60, Christchurch Road, Reading, RG2 7AZ Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	150	-	472659 172059
43	Contemporary Trade Directory Entries Name: Crusader Cleaning Location: 39, Stanhope Road, Reading, RG2 7HW Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	206	-	472654 171405
44	Contemporary Trade Directory Entries Name: Equazion Ltd Location: 88, Northumberland Avenue, Reading, Berkshire, RG2 7PP Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	413	-	472187 171605
45	Contemporary Trade Directory Entries Name: Associated Pallets Ltd Location: 101, Barnsdale Road, Reading, RG2 7JQ Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	596	-	472969 171063
45	Contemporary Trade Directory Entries Name: The B S S Group Location: 101, Barnsdale Road, Reading, RG2 7JQ Classification: Industrial Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	596	-	472969 171063
46	Contemporary Trade Directory Entries Name: P & A Auto Solutions Mobile Mechanic Location: 170, Northumberland Avenue, READING, RG2 7PU Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	600	-	472175 171252
47	Contemporary Trade Directory Entries Name: Wrap Wire Services Ltd Location: 24, Canterbury Road, Reading, RG2 7TB Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (SW)	628	-	472010 171454
48	Contemporary Trade Directory Entries Name: My Home Services Ltd Location: Unit F7 ,University Of Reading, Reading, Berkshire, RG6 6AT Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	628	-	473236 172209
49	Contemporary Trade Directory Entries Name: Northcourt Garage Ltd Location: 88-90, Northcourt Avenue, Reading, RG2 7HQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	656	-	473038 171031
49	Contemporary Trade Directory Entries Name: Fresh & Clean Services Location: 92, Northcourt Avenue, Reading, RG2 7HQ Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	667	-	473047 171023
50	Contemporary Trade Directory Entries Name: First Class Cleaners Location: 125, Highgrove Street, READING, RG1 5EJ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	662	-	472097 172246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Contemporary Trade Directory Entries Name: A & J Cleaners Location: 125, Highgrove Street, Reading, RG1 5EJ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	662	-	472097 172246
51	Contemporary Trade Directory Entries Name: Hi Lo Location: A, 2, Surrey Road, Reading, Berkshire, RG2 0EU Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	676	-	471912 171703
52	Contemporary Trade Directory Entries Name: M & M Cleaning Services Location: A, 2, Basingstoke Road, Reading, Berkshire, RG2 0EL Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	676	-	472001 172128
53	Contemporary Trade Directory Entries Name: Meridian Cleaning Services Location: 31, Cressingham Road, Reading, RG2 7RU Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	723	-	472845 170895
54	Contemporary Trade Directory Entries Name: Tydex Location: 61, Whitley Street, Reading, RG2 0EG Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	740	-	472026 172281
54	Contemporary Trade Directory Entries Name: Reading Launderette Location: 92, Whitley Street, Reading, RG2 0EQ Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	741	-	472001 172251
55	Contemporary Trade Directory Entries Name: Platinum Cleaning Services Ltd Location: 69, Birdhill Avenue, Reading, Berkshire, RG2 7JU Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	746	-	472562 170872
56	Contemporary Trade Directory Entries Name: Welldone Building & Appliance Repair Services Location: 8, Boults Walk, READING, RG2 0AX Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	752	-	471952 172195
57	Contemporary Trade Directory Entries Name: Nationwide Autocentres Location: Long Barn La, Reading, Berkshire, RG2 7SZ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	758	-	471925 171327
57	Contemporary Trade Directory Entries Name: Nationwide Autocentres Location: Long Barn La, Reading, Berkshire, RG2 7SZ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	758	-	471925 171327
58	Contemporary Trade Directory Entries Name: Kinsella James Location: 1, University Cottages, Pepper Lane, Reading, RG6 5SE Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	765	-	473524 171404
59	Contemporary Trade Directory Entries Name: First Class Cleaners Location: Highgrove St, Reading, Berkshire, RG1 5EJ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	771	-	472053 172361

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	Contemporary Trade Directory Entries Name: 1st Class Professional Cleaning Location: Highgrove St, Reading, Berkshire, RG1 5EJ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	793	-	472058 172405
60	Contemporary Trade Directory Entries Name: Humphries Exhaust Centres Ltd Location: 173, Basingstoke Road, Reading, RG2 0HF Classification: Exhaust & Shock Absorber Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (W)	776	-	471863 171421
61	Contemporary Trade Directory Entries Name: Protech Automotive (Uk) Ltd Location: 10, Long Barn Lane, Reading, Berkshire, RG2 7SZ Classification: Garage Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	793	-	471875 171349
61	Contemporary Trade Directory Entries Name: Halfords Auocentre Location: 10, Long Barn Lane, Reading, RG2 7SZ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	793	-	471875 171349
61	Contemporary Trade Directory Entries Name: Protech Automotive (Uk) Location: 10, Long Barn Lane, Reading, Berkshire, RG2 7SZ Classification: Garage Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	793	-	471875 171349
61	Contemporary Trade Directory Entries Name: Millennium Auto Services Location: 16-20, Long Barn Lane, Reading, RG2 7SZ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	794	-	471896 171305
61	Contemporary Trade Directory Entries Name: Millennium Auto Services Location: 16-20, Long Barn Lane, Reading, RG2 7SZ Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	794	-	471896 171305
61	Contemporary Trade Directory Entries Name: M T K Motor Engineers Location: 246c Basingstoke Rd, Reading, Berkshire, RG2 0HN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	832	-	471828 171360
62	Contemporary Trade Directory Entries Name: Clean Hands Valeting Location: 10, Carousel Court, Northumberland Avenue, Reading, RG2 7QT Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	793	-	472155 171017
63	Contemporary Trade Directory Entries Name: Berkshire Environmental Services Location: 2, Seaton Gardens, Reading, RG2 7PB Classification: Air Conditioning Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	803	-	472310 170899
64	Contemporary Trade Directory Entries Name: City Renault Location: 160 Basingstoke Rd, Reading, Berkshire, RG2 0HJ Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	808	-	471789 171584
64	Contemporary Trade Directory Entries Name: Gowrings Of Reading - Ford Location: 160, Basingstoke Road, Reading, RG2 0HJ Classification: Commercial Vehicle Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	808	-	471789 171584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Contemporary Trade Directory Entries Name: City Peugeot Reading Location: City Peugeot, Reading, Berkshire, RG2 0HJ Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	808	-	471789 171584
64	Contemporary Trade Directory Entries Name: Garrings Location: 160, Basingstoke Road, Reading, RG2 0HJ Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	808	-	471789 171584
64	Contemporary Trade Directory Entries Name: Reg Vardy Plc Location: 160, Basingstoke Road, Reading, RG2 0HJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	808	-	471789 171584
64	Contemporary Trade Directory Entries Name: City Renault Ltd Location: 160, Basingstoke Road, Reading, RG2 0HJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	808	-	471789 171584
65	Contemporary Trade Directory Entries Name: National Tyres & Autocare Location: 196, Basingstoke Road, Reading, RG2 0XA Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	810	-	471805 171494
65	Contemporary Trade Directory Entries Name: Ambassador Cleaning Services Location: 198, Basingstoke Road, Reading, RG2 0XA Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	848	-	471770 171476
65	Contemporary Trade Directory Entries Name: Oak House Foods Location: 5, Arkwright Road, Reading, RG2 0LU Classification: Frozen Food Processors & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	871	-	471756 171442
65	Contemporary Trade Directory Entries Name: Charter Specialist Security Location: 5, Arkwright Road, Reading, Berkshire, RG2 0LU Classification: Roller Shutter Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SW (W)	871	-	471756 171442
66	Contemporary Trade Directory Entries Name: Bags Direct Location: 29, Whitley Street, Reading, RG2 0EG Classification: Paper & Cardboard Products & Packaging - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	812	-	471996 172358
66	Contemporary Trade Directory Entries Name: Bags Direct International Ltd Location: 29, Whitley Street, READING, RG2 0EG Classification: Bags, Belts & Accessories - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	812	-	471996 172358
67	Contemporary Trade Directory Entries Name: Printmagic Location: 1a, Upper Redlands Road, Reading, RG1 5JJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	839	-	473393 172358
67	Contemporary Trade Directory Entries Name: Purco Print Location: Unit 4-5, Barnat Works, 1A Upper Redlands Rd, Reading, Berkshire, RG1 5JJ Classification: Printers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	861	-	473406 172378

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Contemporary Trade Directory Entries Name: Spotless Oven Cleaning Services Limited Location: 11, Dulverton Gardens, Reading, RG2 7NX Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	845	-	472528 170778
69	Contemporary Trade Directory Entries Name: Righttrans Location: 205, Basingstoke Road, Reading, RG2 0HX Classification: Fork Lift Trucks Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	851	-	471843 171284
69	Contemporary Trade Directory Entries Name: Berkshire Recovery Location: 207, Basingstoke Road, Reading, RG2 0HX Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	856	-	471842 171276
70	Contemporary Trade Directory Entries Name: Purco Print Location: 7, Upper Redlands Road, Reading, RG1 5JJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	860	-	473380 172413
71	Contemporary Trade Directory Entries Name: Gas Ltd Location: 36, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Catering Equipment - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	868	-	471734 171926
71	Contemporary Trade Directory Entries Name: The Funky Mirror Co Ltd Location: 40, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Mirrors & Decorative Glass Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	876	-	471724 171918
71	Contemporary Trade Directory Entries Name: Clean Line Location: 34, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	895	-	471712 171964
71	Contemporary Trade Directory Entries Name: Stockwise Distribution Ltd Location: 34, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	895	-	471712 171964
71	Contemporary Trade Directory Entries Name: Quality Cleaning Supplies Location: 32, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	903	-	471703 171957
71	Contemporary Trade Directory Entries Name: S K I Logistex Location: 32, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Materials Handling Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	903	-	471703 171957
71	Contemporary Trade Directory Entries Name: R & R Distribution Ltd Location: 32, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	903	-	471703 171957
71	Contemporary Trade Directory Entries Name: Trafalgar Media Advertising Ltd Location: 20, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	903	-	471706 171973

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Contemporary Trade Directory Entries Name: Robert Cort Valves Ltd Location: 30, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	911	-	471694 171949
71	Contemporary Trade Directory Entries Name: Gulmey Medical Location: 30, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: X-Ray Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	911	-	471694 171949
72	Contemporary Trade Directory Entries Name: Effective Print Solutions Location: 16, Highgrove Street, Reading, Berkshire, RG1 5EN Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	869	-	471997 172449
73	Contemporary Trade Directory Entries Name: Multicolour Development Location: 67a, Foxhill Road, READING, RG1 5QR Classification: Printers - Glass, Metal, Plastics Etc. Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	872	-	473276 172549
74	Contemporary Trade Directory Entries Name: Chipsaway Location: 30, Tavistock Road, Reading, RG2 7SR Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	876	-	471884 171171
74	Contemporary Trade Directory Entries Name: Chipsaway (Newbury) Location: 30, Tavistock Road, Reading, RG2 7SR Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	876	-	471884 171171
75	Contemporary Trade Directory Entries Name: Reading Scientific Services Ltd Location: Reading Science Centre, The University, Whiteknights, Reading, RG6 6LA Classification: Laboratories Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	876	-	473679 171586
75	Contemporary Trade Directory Entries Name: R S S L Pharma Location: Lord Zukerman Research Centre, The University, Whiteknights, Reading, Berkshire, RG6 6LA Classification: Pharmaceutical Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	876	-	473679 171586
76	Contemporary Trade Directory Entries Name: Wyeth Motorcycles Location: 36a, Hatherley Road, Reading, RG1 5QA Classification: Motor Cycle Breakers & Dismantlers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (N)	877	-	473060 172702
76	Contemporary Trade Directory Entries Name: Helm Office Interiors Ltd Location: Hatherley Rd, Reading, Berkshire, RG1 5QA Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19NW (N)	885	-	473072 172704
77	Contemporary Trade Directory Entries Name: Jewson Ltd Location: Craddock Road, Reading, RG2 0JU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	878	-	471723 171556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	Contemporary Trade Directory Entries Name: Pedros Location: Tunbridge Jones Ind Est,1 Craddock Rd, Reading, Berkshire, RG2 0JT Classification: Car Body Repairs Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	913	-	471693 171523
78	Contemporary Trade Directory Entries Name: J C Apollo Ltd Location: 7, Arkwright Road, Reading, RG2 0LU Classification: Car Paint & Lacquer Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (W)	880	-	471754 171419
78	Contemporary Trade Directory Entries Name: J C A Coatings Ltd Location: 7, Arkwright Road, Reading, Berkshire, RG2 0LU Classification: Car Paint & Lacquer Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (W)	880	-	471754 171419
78	Contemporary Trade Directory Entries Name: J & C Auto Supplies Location: 7, Arkwright Road, Reading, Berkshire, RG2 0LU Classification: Automation Systems & Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (W)	880	-	471754 171419
78	Contemporary Trade Directory Entries Name: Quick Ship Location: 11, Arkwright Road, Reading, RG2 0LU Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (W)	907	-	471741 171374
78	Contemporary Trade Directory Entries Name: Sapphire Balustrades Location: 11, Arkwright Road, Reading, RG2 0LU Classification: Staircase, Balustrade & Handrail Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (W)	907	-	471741 171374
78	Contemporary Trade Directory Entries Name: Sapphire Location: 11, Arkwright Road, Reading, RG2 0LU Classification: Staircase, Balustrade & Handrail Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (W)	907	-	471741 171374
78	Contemporary Trade Directory Entries Name: Thames Valley Ltd Location: 9, Arkwright Road, READING, RG2 0LU Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (W)	908	-	471732 171397
79	Contemporary Trade Directory Entries Name: Level Location: 14, Westerham Walk, READING, RG2 0BA Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	888	-	471904 172366
79	Contemporary Trade Directory Entries Name: Sunset Care Services For The Elderly Location: Westerham Walk, Reading, Berkshire, RG2 0BA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	906	-	471884 172370
80	Contemporary Trade Directory Entries Name: Crown Wheelchair Travel Location: 46, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	888	-	471711 171907
81	Contemporary Trade Directory Entries Name: Home Angelz Location: 1, Kingston Gardens, Reading, RG2 7SH Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	890	-	472108 170931

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	Contemporary Trade Directory Entries Name: Home Angelz Location: 1, Kingston Gardens, Reading, RG2 7SH Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	890	-	472108 170931
82	Contemporary Trade Directory Entries Name: U T I Worldwide Uk Ltd Location: Hyperion Way, Reading, RG2 0JS Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	906	-	471755 171341
83	Contemporary Trade Directory Entries Name: Sunnyside Autos Location: 31, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	920	-	471702 172033
83	Contemporary Trade Directory Entries Name: Wrc-Nsf Location: 25 Robert Cort Ind Est, Britten Rd, Reading, Berkshire, RG2 0AU Classification: Laboratories Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A11NE (W)	954	-	471674 172058
83	Contemporary Trade Directory Entries Name: Savins Precision Engineering Location: 18, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	960	-	471658 172022
83	Contemporary Trade Directory Entries Name: Ultimate Tinting Location: 18 Robert Cort Ind Est, Britten Rd, Reading, Berkshire, RG2 0AU Classification: Window Tinting Status: Inactive Positional Accuracy: Manually positioned to the address or location	A11NE (W)	960	-	471658 172022
84	Contemporary Trade Directory Entries Name: A Copy Location: 3, Arkwright Road, Reading, RG2 0LU Classification: Copying & Duplicating Machines & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	928	-	471690 171466
84	Contemporary Trade Directory Entries Name: S N S Building Products Ltd Location: 3, Arkwright Road, READING, RG2 0LU Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	928	-	471690 171466
84	Contemporary Trade Directory Entries Name: Finishing Line Location: 3, Arkwright Road, Reading, Berkshire, RG2 0LU Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	928	-	471690 171466
85	Contemporary Trade Directory Entries Name: The Morris Minor Clinic Location: Unit 5A Tunbridge Jones, Craddock Rd, Reading, Berkshire, RG2 0JT Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A11SE (W)	931	-	471663 171596
85	Contemporary Trade Directory Entries Name: T Lucas Location: Craddock Road, Reading, RG2 0JX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	936	-	471665 171548
85	Contemporary Trade Directory Entries Name: Pedro Location: Craddock Road, Reading, RG2 0JX Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	936	-	471665 171548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Contemporary Trade Directory Entries Name: P J & J A Autos Location: Craddock Road, Reading, RG2 0JX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	936	-	471665 171548
85	Contemporary Trade Directory Entries Name: Scott Peeling Location: Craddock Road, Reading, RG2 0JX Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	936	-	471665 171548
85	Contemporary Trade Directory Entries Name: Parnell Metalworkers Location: Craddock Road, Reading, RG2 0JX Classification: Metal Workers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	936	-	471665 171548
85	Contemporary Trade Directory Entries Name: Toolplus Ltd Location: Craddock Road, Reading, RG2 0JX Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	936	-	471665 171548
85	Contemporary Trade Directory Entries Name: Many Autos Location: 4 Craddock Rd, Reading, Berkshire, RG2 0JT Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	981	-	471622 171531
86	Contemporary Trade Directory Entries Name: The Launderette Location: 28, Erleigh Road, Reading, RG1 5NA Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	934	-	472980 172795
87	Contemporary Trade Directory Entries Name: A-Z Dry Cleaners Location: 32, Erleigh Road, READING, RG1 5NA Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	941	-	472995 172797
87	Contemporary Trade Directory Entries Name: Donnington Cars Location: 37, Erleigh Road, Reading, RG1 5NB Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	987	-	473016 172839
88	Contemporary Trade Directory Entries Name: Charter Specialist Security Location: Arkwright Rd, Reading, Berkshire, RG2 0LU Classification: Shutters - Internal Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	949	-	471668 171470
88	Contemporary Trade Directory Entries Name: Charter Specialist Security Ltd Location: Innovation House, Arkwright Rd, Reading, Berkshire, RG2 0LU Classification: Roller Shutter Manufacturers Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A11SE (W)	952	-	471667 171462
88	Contemporary Trade Directory Entries Name: T & M Motors Location: 4, Arkwright Road, Reading, RG2 0LU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A11SE (W)	978	-	471635 171487
88	Contemporary Trade Directory Entries Name: Castle Coatings Location: 6, Arkwright Road, Reading, RG2 0LU Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	995	-	471621 171469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Contemporary Trade Directory Entries Name: Whitley Social Services Location: 268, Northumberland Avenue, Reading, RG2 7PJ Classification: Printers Textile Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	960	-	472211 170775
90	Contemporary Trade Directory Entries Name: Hillview Family Company Ltd Location: 251, A33 Relief Road, Reading, RG2 0RR Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	962	-	471818 171115
90	Contemporary Trade Directory Entries Name: Cookerburra Location: 251, A33 Relief Road, Reading, RG2 0RR Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	962	-	471818 171115
90	Contemporary Trade Directory Entries Name: Hill View Family Company Ltd Location: 251, A33 Relief Road, Reading, RG2 0RR Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	962	-	471818 171115
90	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Basingstoke Rd, Reading, Berkshire, RG2 0HB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	995	-	471794 171092
91	Contemporary Trade Directory Entries Name: Gardiner & Co Location: 21-23, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (W)	968	-	471666 172084
91	Contemporary Trade Directory Entries Name: Britten Tyres Ltd Location: 15-17, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	977	-	471654 172072
91	Contemporary Trade Directory Entries Name: Britten Tyres Ltd Location: 15-17, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (W)	977	-	471654 172072
91	Contemporary Trade Directory Entries Name: Britton Autos Location: 15-17, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	977	-	471654 172072
91	Contemporary Trade Directory Entries Name: Fairway Press Ltd Location: Unit 7, Nimrod Industrial Estate, Nimrod Way, Reading, RG2 0EB Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SE (W)	983	-	471663 172119
91	Contemporary Trade Directory Entries Name: Sandford Press Location: Unit 7, Nimrod Industrial Estate, Nimrod Way, Reading, Berkshire, RG2 0EB Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SE (W)	983	-	471663 172119
91	Contemporary Trade Directory Entries Name: App Location: Unit 9, Nimrod Industrial Estate, Nimrod Way, Reading, RG2 0EB Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SE (W)	996	-	471644 172103

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	Contemporary Trade Directory Entries Name: Benten Auto Experts Location: Tunbridge Jones Business Parl,2 Cradock Rd, Reading, Berkshire, RG2 0JT Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A11SE (W)	971	-	471625 171582
92	Contemporary Trade Directory Entries Name: Reading Car Sales Location: Cradock Road, Reading, RG2 0JT Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A11SE (W)	971	-	471625 171582
92	Contemporary Trade Directory Entries Name: Yess Cars Location: Cradock Road, Reading, RG2 0JT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A11SE (W)	995	-	471605 171550
92	Contemporary Trade Directory Entries Name: Many Autos Location: Cradock Road, Reading, RG2 0JT Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A11SE (W)	995	-	471605 171550
92	Contemporary Trade Directory Entries Name: Berkshire Car Centre Location: Cradock Road, Reading, Berkshire, RG2 0JT Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A11SE (W)	995	-	471605 171550
93	Contemporary Trade Directory Entries Name: Waterless Solutions Ltd Location: 12, Robert Cort Industrial Estate, Britten Road, Reading, Berkshire, RG2 0AU Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NE (W)	971	-	471645 172010
93	Contemporary Trade Directory Entries Name: Go Fresh Location: 12, Robert Cort Industrial Estate, Britten Road, Reading, Berkshire, RG2 0AU Classification: Air Purification Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A11NE (W)	971	-	471645 172010
93	Contemporary Trade Directory Entries Name: B B M Location: 8, Robert Cort Industrial Estate, Britten Road, Reading, Berkshire, RG2 0AU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned to the address or location	A11NE (W)	976	-	471634 171986
93	Contemporary Trade Directory Entries Name: Reflex Digital Solutions Uk Ltd Location: 6, Robert Cort Industrial Estate, Britten Road, Reading, RG2 0AU Classification: Photocopiers Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (W)	984	-	471625 171978
93	Contemporary Trade Directory Entries Name: Quay Plastics Location: 4, Robert Cort Industrial Estate, Britten Road, READING, RG2 0AU Classification: PVC-U Products - Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A11NE (W)	990	-	471618 171972
94	Contemporary Trade Directory Entries Name: Prestige Quality Repair Centre Location: 2, Elgar Estate, Preston Road, READING, RG2 0BE Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A16SE (NW)	990	-	471686 172198
94	Contemporary Trade Directory Entries Name: Autodex Location: 2, Elgar Estate, Preston Road, Reading, RG2 0BE Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SE (NW)	990	-	471686 172198

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	Contemporary Trade Directory Entries Name: Southern Group Services Location: 1, Elgar Estate, Preston Road, Reading, Berkshire, RG2 0BE Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A16SE (NW)	990	-	471686 172198
94	Contemporary Trade Directory Entries Name: Image Cleaning & Maintenance Services Location: C,O Unit 1 Preston Road, Elgar Estate, Reading, Berkshire, RG2 0BE Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A16SE (NW)	990	-	471685 172197
95	Fuel Station Entries Name: Reading Garage Location: 46-50 Christchurch Road, READING, Berkshire, RG2 7BA Brand: OBSOLETE Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A13NW (N)	189	-	472581 172072
96	Fuel Station Entries Name: Reg Vardy (Amc) Ltd Location: 160 Basingstoke Road, READING, Berkshire, RG2 0HJ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A12SW (W)	809	-	471788 171584

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SW (SE)	0	8	472694 171748

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Reading Borough Council - Environmental Health Department Wokingham District Council - Environmental Health Department South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department	April 2014 February 2013 January 2015 November 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	July 2015	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - Thames Region	July 2015	Quarterly
Local Authority Integrated Pollution Prevention And Control South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2015 October 2014	Annual Rolling Update Annual Rolling Update Bi-Annually Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	July 2015 July 2015	Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	April 2015	Quarterly
Water Industry Act Referrals Environment Agency - Thames Region	July 2015	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable

Agency & Hydrological	Version	Update Cycle
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones Environment Agency - Head Office	July 2015	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2015	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2015	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2015	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2015	Quarterly
Flood Defences Environment Agency - Head Office	May 2015	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	May 2015 May 2015	Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	August 2014 August 2014	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	July 2015 July 2015	Quarterly Quarterly
Local Authority Landfill Coverage Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Wokingham District Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Wokingham District Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 October 2005	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	June 2015	Bi-Annually
Explosive Sites Health and Safety Executive	June 2015	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Reading Borough Council - Planning West Berkshire Council Oxfordshire County Council Wokingham District Council South Oxfordshire District Council - Planning Department (West)	December 2014 February 2015 July 2014 March 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Reading Borough Council - Planning West Berkshire Council Oxfordshire County Council Wokingham District Council South Oxfordshire District Council - Planning Department (West)	December 2014 February 2015 July 2014 March 2015 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
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	January 2010	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2015	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	July 2014	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

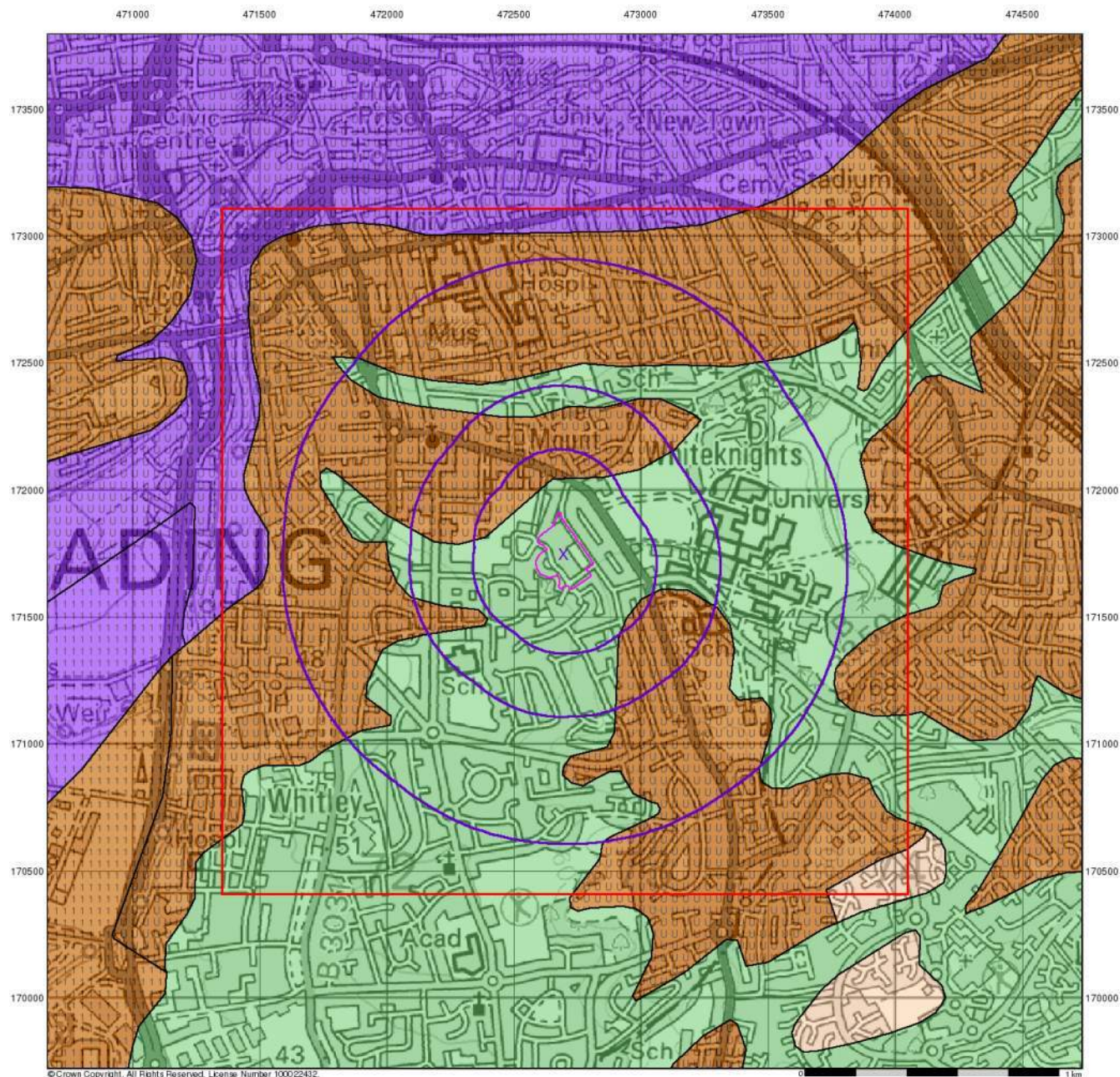
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	August 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2015	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt South Oxfordshire District Council Wokingham District Council	May 2015 May 2015	As notified As notified
Areas of Unadopted Green Belt South Oxfordshire District Council Wokingham District Council	May 2015 May 2015	As notified As notified
Areas of Outstanding Natural Beauty Natural England	February 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2014	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2015	Bi-Annually
Marine Nature Reserves Natural England	July 2013	Bi-Annually
National Nature Reserves Natural England	March 2015	Bi-Annually
National Parks Natural England	August 2015	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
Ramsar Sites Natural England	March 2014	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2015	Bi-Annually
Special Areas of Conservation Natural England	March 2014	Bi-Annually
Special Protection Areas Natural England	April 2015	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	Reading Borough Council - Environmental Health Department Civic Centre, Reading, Hampshire, RG1 7DT	Telephone: 0118 939 9099 Fax: 0118 958 9770 Website: www.reading.gov.uk
4	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	Reading Borough Council - Planning Civic Centre, READING, Hampshire, RG1 7TD	Telephone: 0118 939 0900 Fax: 0118 958 9770 Website: www.reading.gov.uk
6	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
7	Natural England Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
9	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
10	Wokingham District Council - Environmental Health Department Council Offices, Shute End, Wokingham, Surrey, RG40 1BN	Telephone: 0118 974 6000 Fax: 0118 974 5053 Website: www.wokingham.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

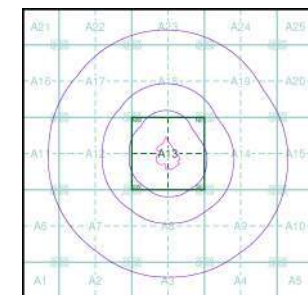
Agency and Hydrological

Geological Classes

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

Soil Classes

Site Sensitivity Context Map - Slice A



Order Details

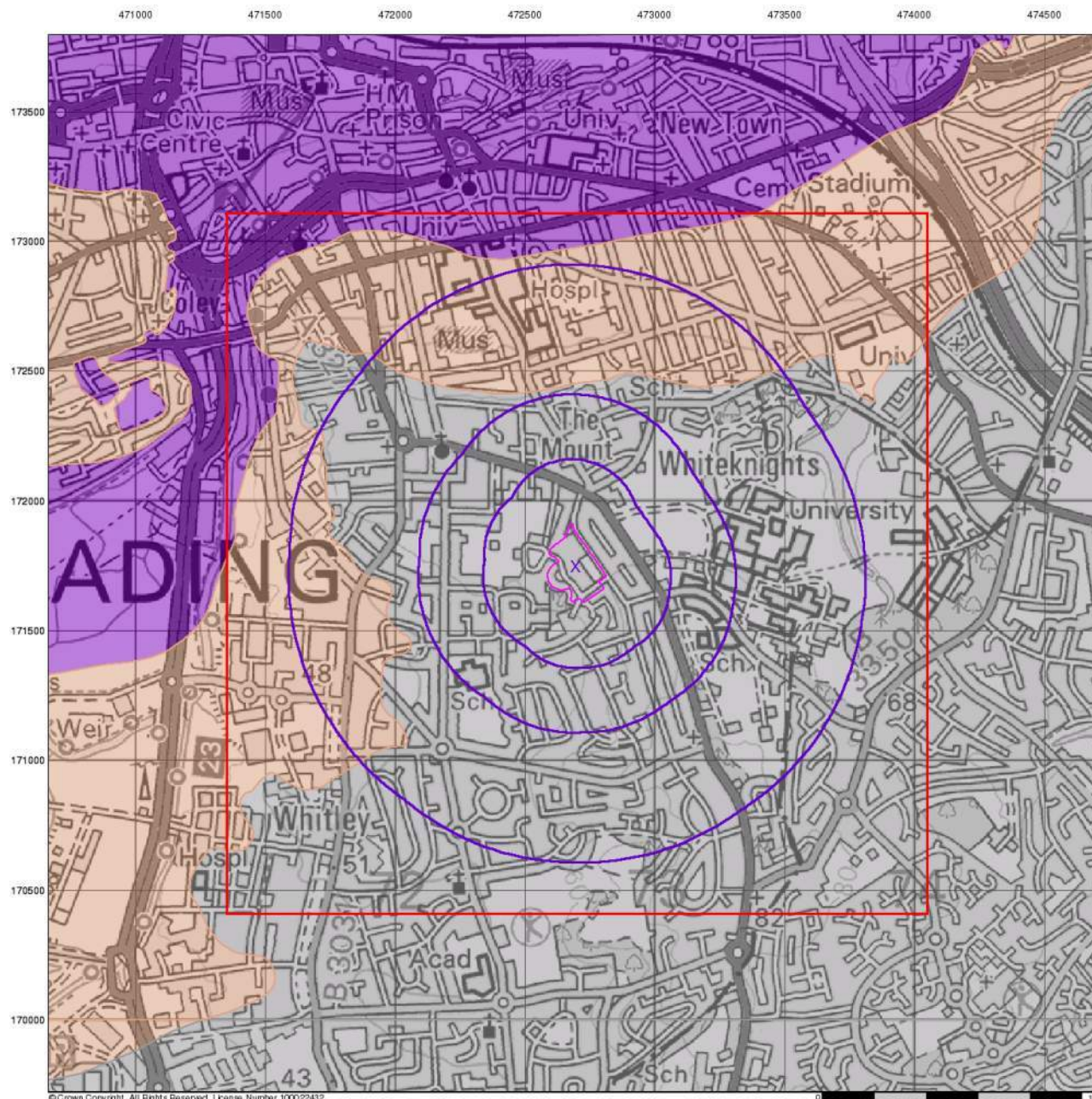
Order Number: 72923493_1_1
 Customer Ref: EB1834
 National Grid Reference: 472690, 171750
 Slice: A
 Site Area (Ha): 3.83
 Search Buffer (m): 1000

Site Details

St Patricks Hall, Northcourt Avenue, Reading, RG2 7HB



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 Fax: 0844 844 9951
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Bedrock Aquifer Designation

General

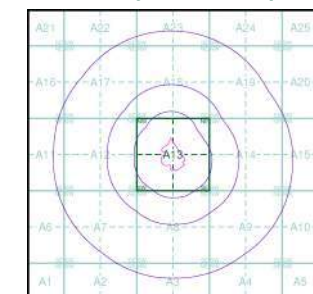
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

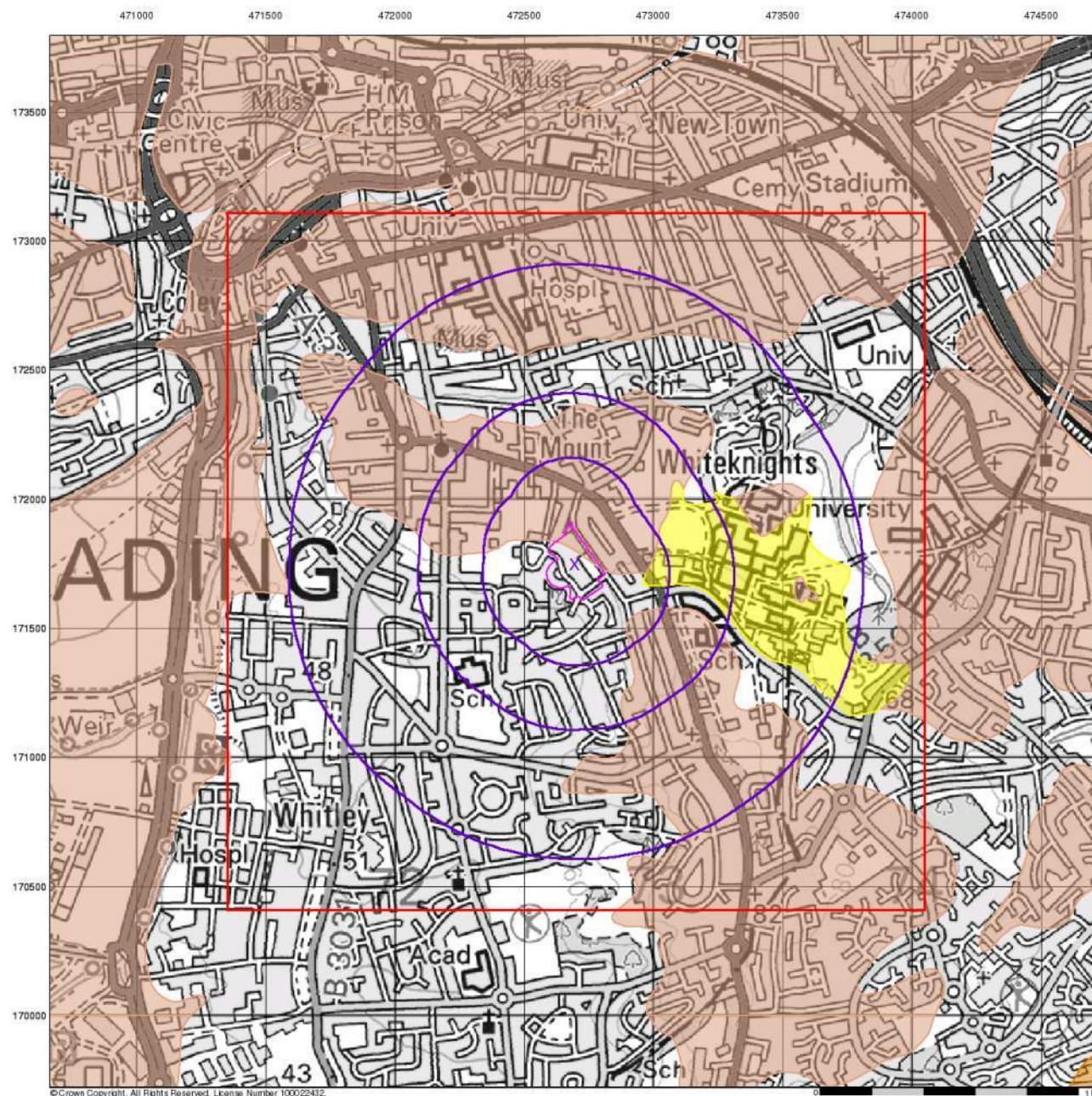
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 Customer Ref: EB1834
 National Grid Reference: 472690, 171750
 Slice: A
 Site Area (Ha): 3.83
 Search Buffer (m): 1000

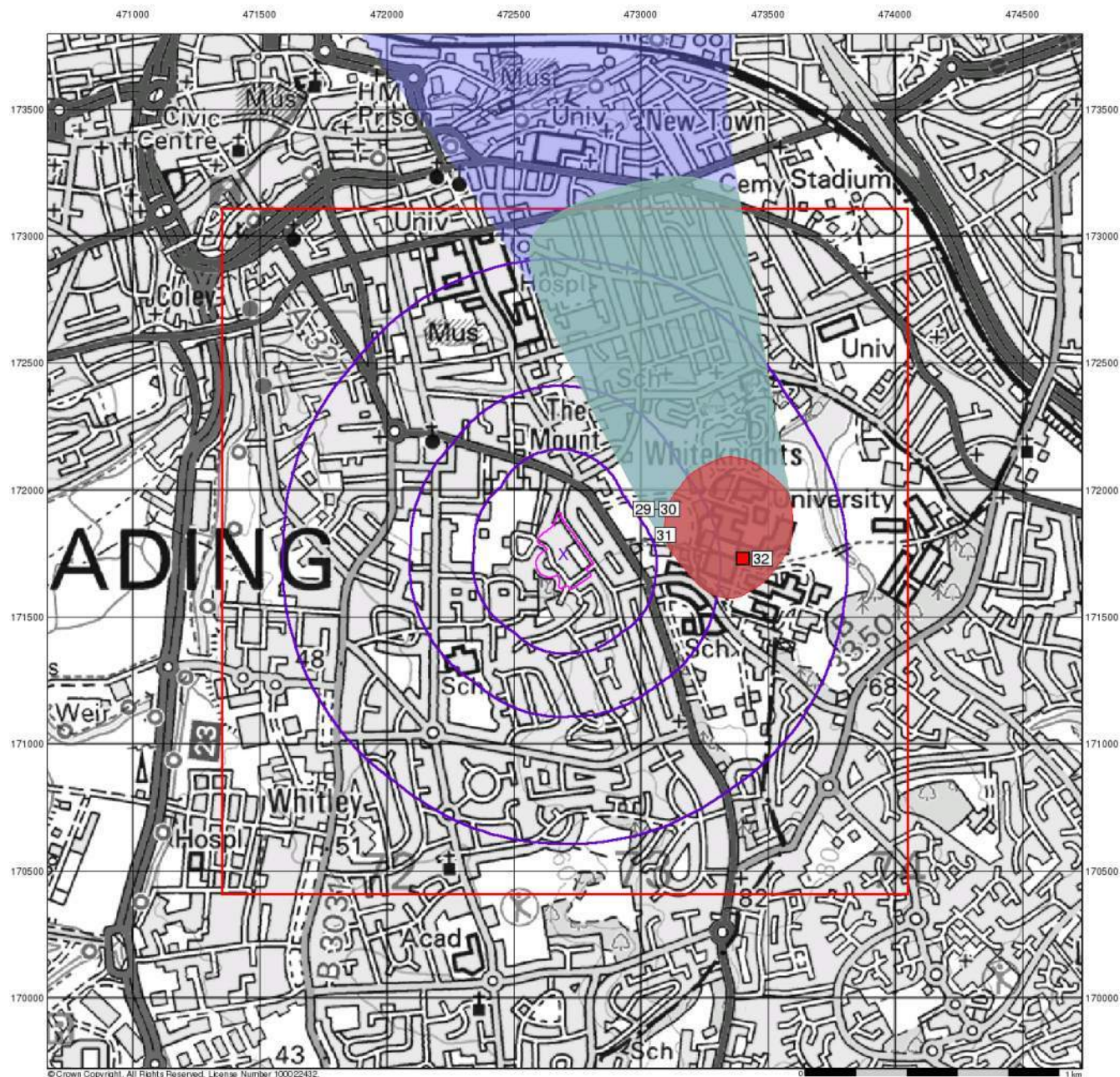
Site Details

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Source Protection Zones

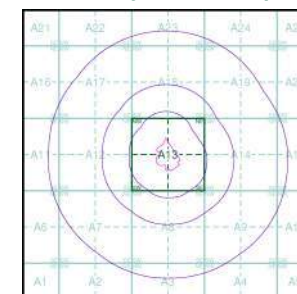
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

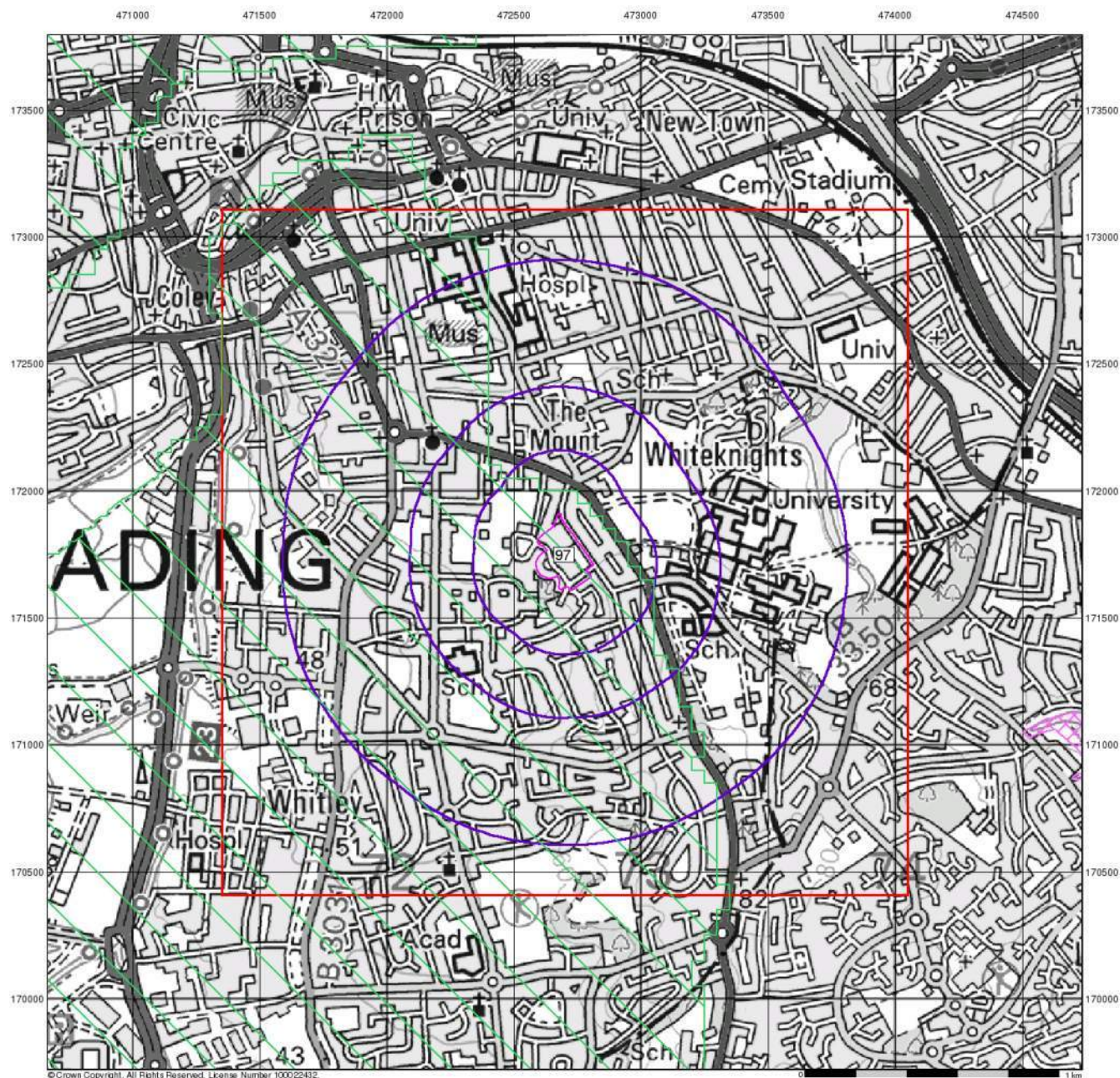
Order Number: 72923493_1_1
 Customer Ref: EB1834
 National Grid Reference: 472690, 171750
 Slice: A
 Site Area (Ha): 3.83
 Search Buffer (m): 1000

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Sensitive Land Uses

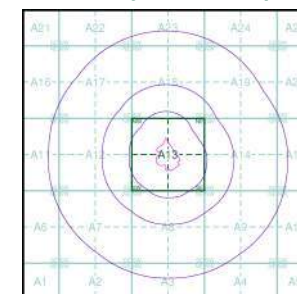
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

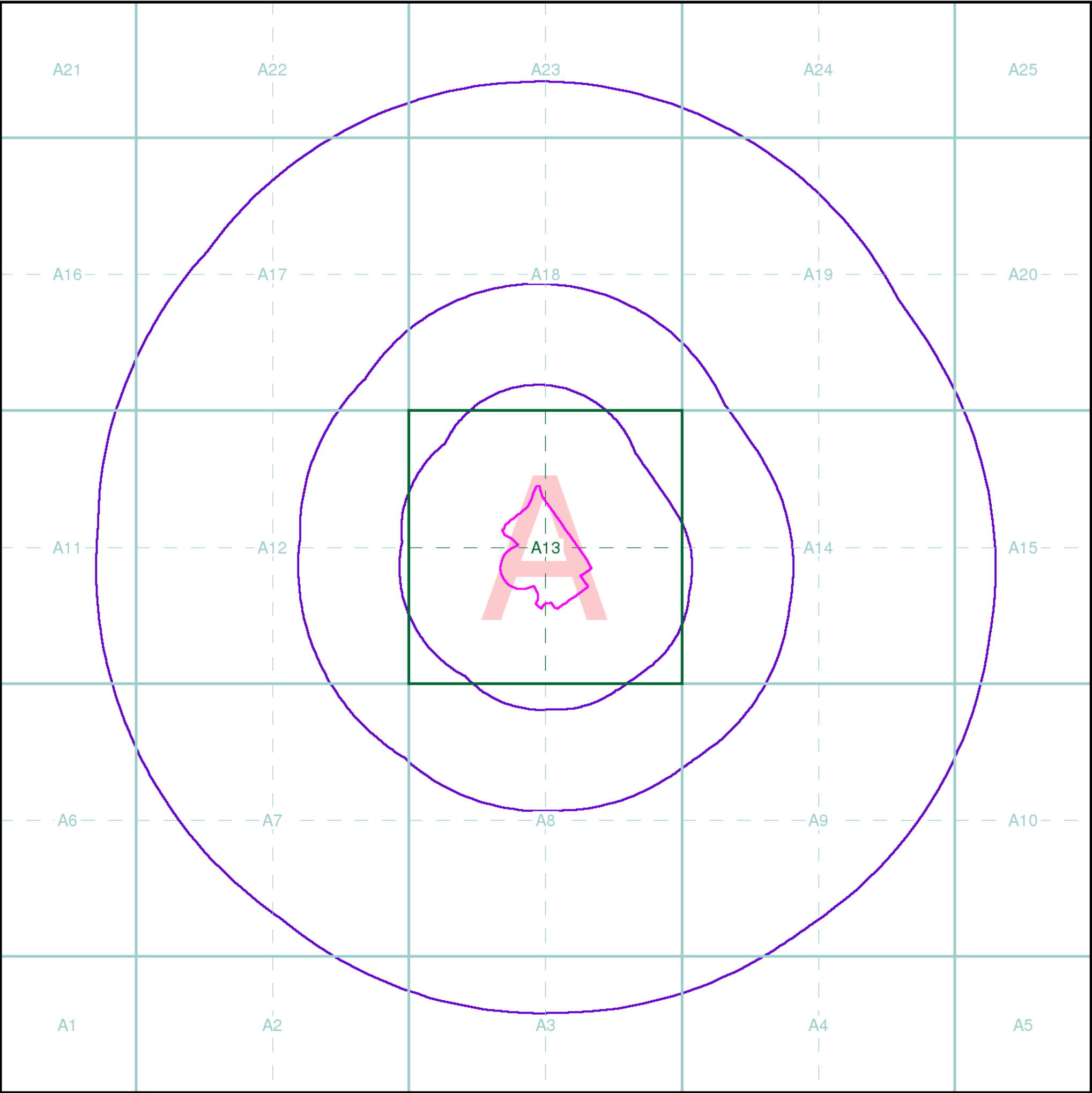
Order Number: 72923493_1_1
 Customer Ref: EB1834
 National Grid Reference: 472690, 171750
 Slice: A
 Site Area (Ha): 3.83
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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr G Behrens, Curtins Consulting Ltd, Quayside, 40-58 Hotwell Road, Bristol, BS8 4UQ

Order Details

Order Number: 72923493_1_1
Customer Ref: EB1834
National Grid Reference: 472690, 171740
Site Area (Ha): 3.83
Search Buffer (m): 1000

Site Details

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
		(Undifferentiated)		

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	KPGR	Kempton Park Gravel Formation	Sand and Gravel	Devensian - Devensian
	BGGR	Beenham Grange Gravel Member	Sand and Gravel	Devensian - Devensian
	LASI	Langley Silt Member	Clay and Silt	Devensian - Devensian
	TPGR	Taplow Gravel Formation	Sand and Gravel	Wolstonian - Wolstonian
	LHGR	Lynch Hill Gravel Member	Sand and Gravel	Wolstonian - Wolstonian
	BHT	Boyn Hill Gravel Member	Sand and Gravel	Wolstonian - Hoxnian
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary
	RTD6	River Terrace Deposits, 6	Sand and Gravel	Quaternary - Quaternary
	RTD2	River Terrace Deposits, 2	Sand and Gravel	Quaternary - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Quaternary - Quaternary
	BRK	Brickearth	Clay, Silt and Sand	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Paleocene - Paleocene
	SNCK	Seafood Chalk Formation and Newhaven Chalk Formation	Chalk	Campanian - Coniacian



Geology 1:50,000 Maps

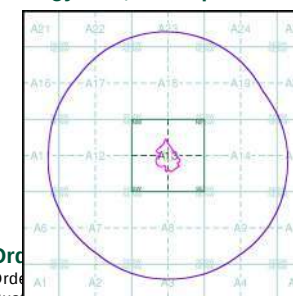
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 268
Map Name: Reading
Map Date: 2000
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Available
Faults: Not Supplied
Landslip: Not Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A



Order

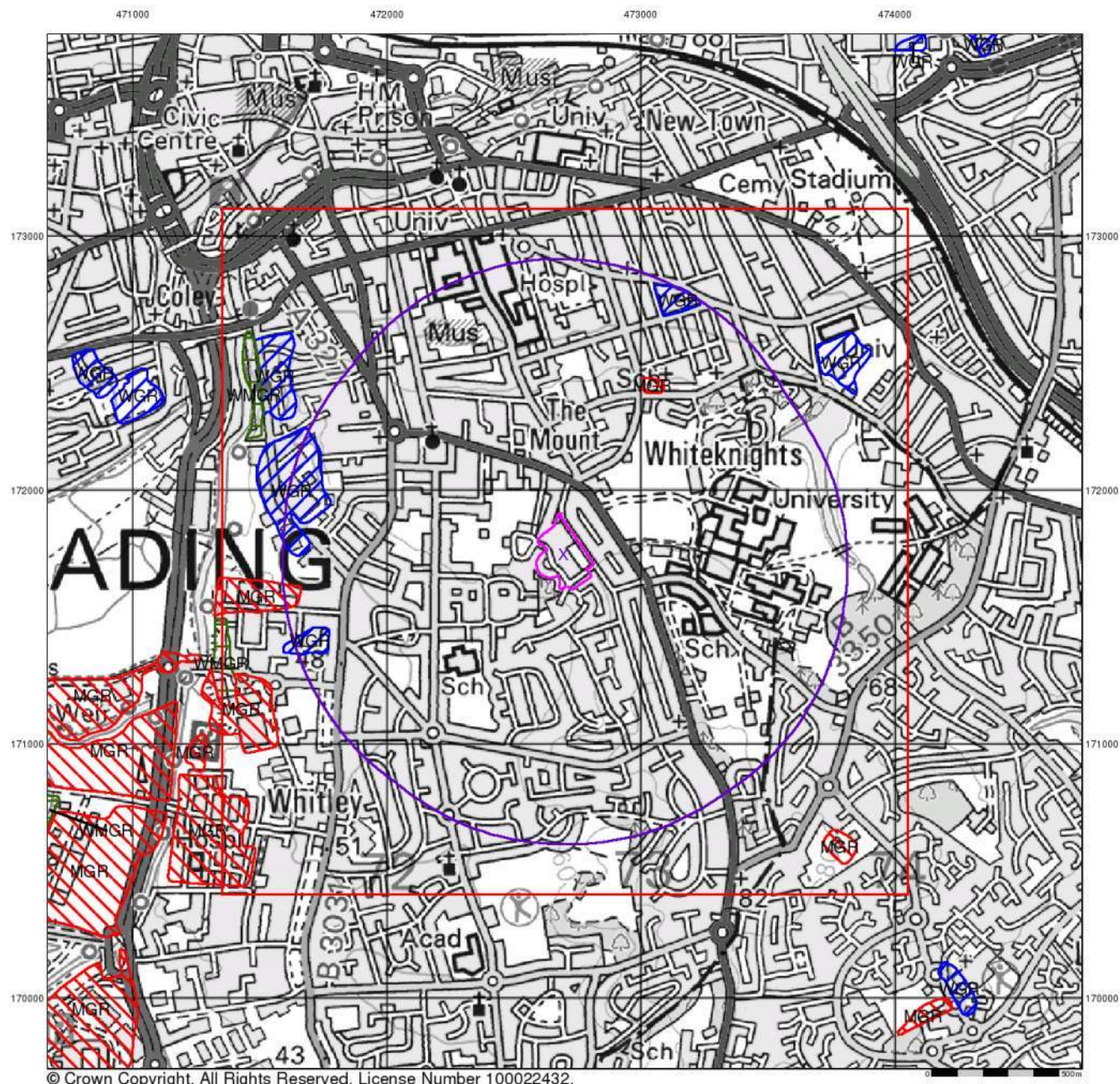
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Slice: A
Site Area (Ha): 3.83
Search Buffer (m): 1000

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Artificial Ground and Landslip

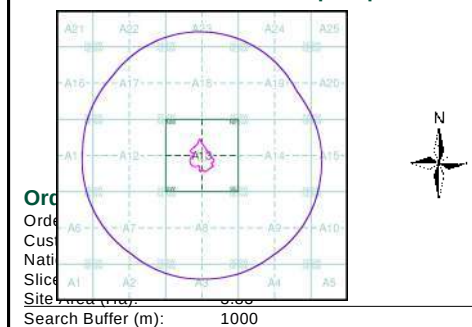
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

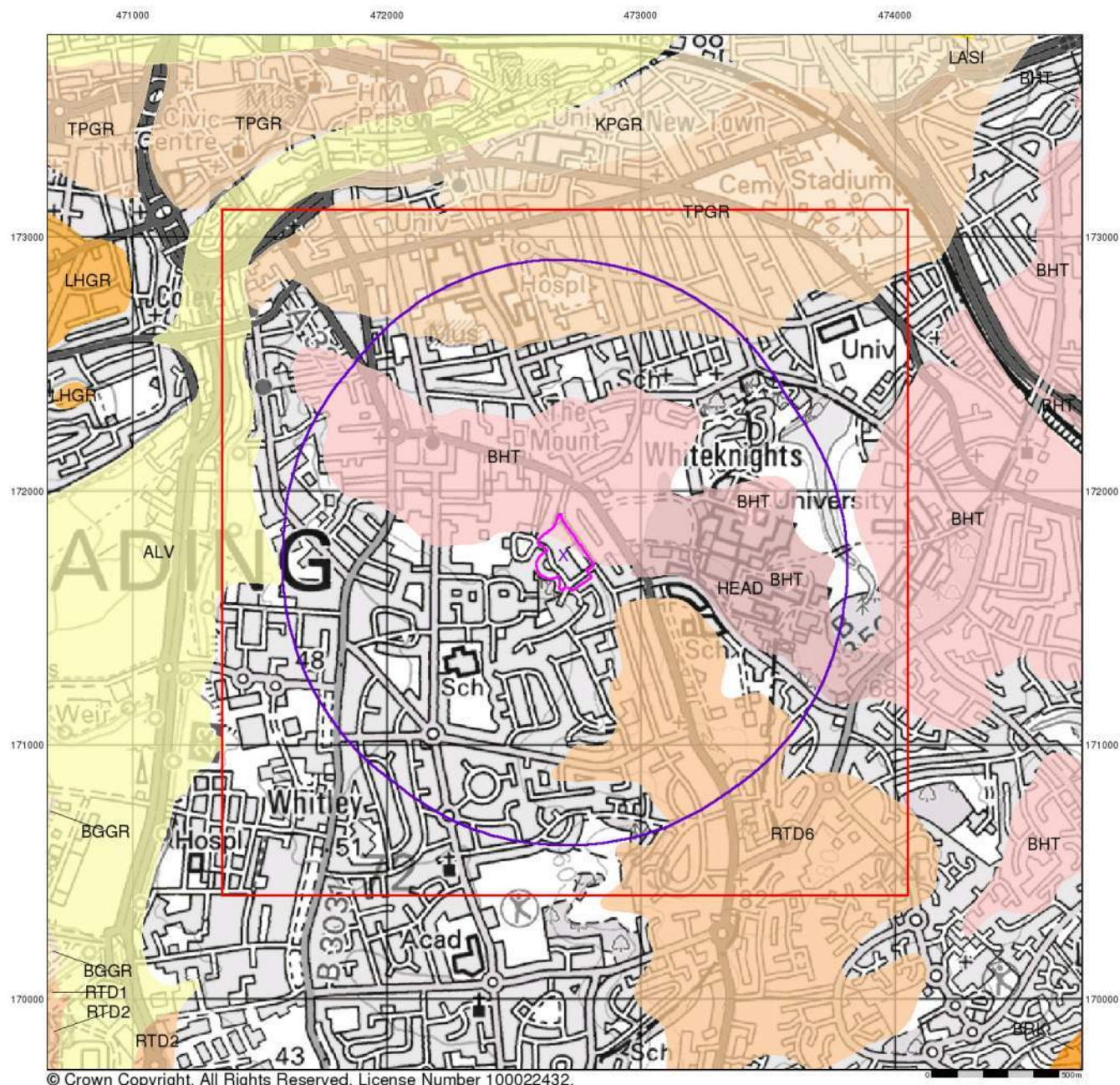
Artificial Ground and Landslip Map - Slice A



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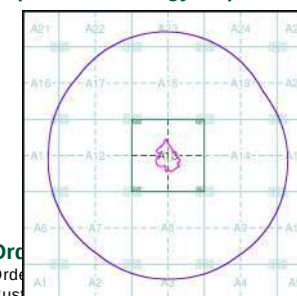
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order

Order

Cus

National Grid Reference: 472690, 171750

Slice: A

Site Area (Ha): 3.83

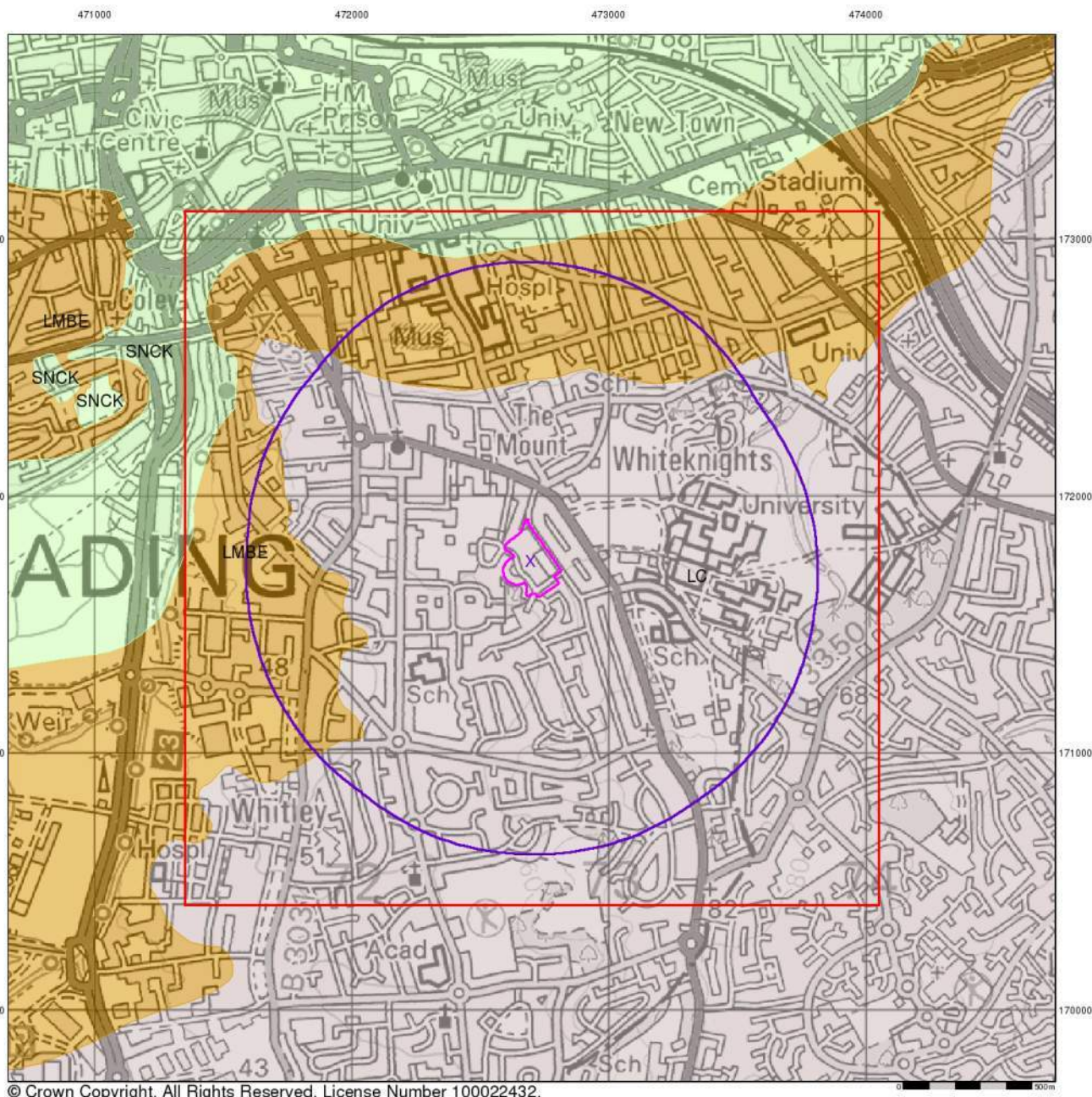
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Bedrock and Faults

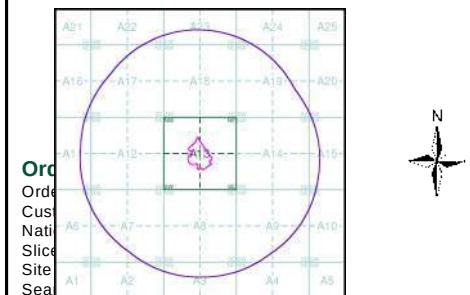
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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