

BCP, Heath Lane Mental Health Hospital, West Bromwich

Phase 1 Preliminary Site Assessment

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Client Name: Kier Midlands Ltd

Client Address: Kier Regional Building, Central, Tungsten Building, Central Boulevard, Blythe Valley Park, Solihull, West Midlands, B90 8AU

Site Address: Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



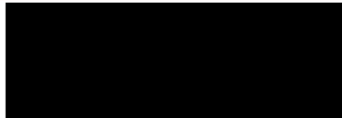
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Rev	Description	Issued by	Checked	Date
V03	<i>Updated introductions detailing the phrased approach to the development of the site.</i>	KD	PW	06/02/2024

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Executive Summary

Appointment	<p>In February 2020 Curtins were instructed by Kier Midlands Ltd to undertake a Phase 1 Preliminary Site Assessment of the existing Heath Lane Hospital site in West Bromwich. The site is centred on NGR 400750, 293330, and covers an area of approximately 1.88 Ha.</p> <p>At this stage no development plans have been made available to date but it is understood that it will comprise a development of Heath Lane Learning Disabilities Recovery Hub comprising of a two-storey building.</p>
Current Site Status	<p>The site generally slopes towards the northern boundary. The current use is Heath Lane Hospital which is primarily a facility for Mental Health and learning disabilities.</p> <p>The site is bounded to the north-west by residential housing and to the north-east by part of Heath Lane Cemetery. To the east by a row of trees and Heath Lane Cemetery. To the south by Heath Lane with residential housing beyond. To the west by a row of trees and residential housing.</p>
Site History	<p>Initial historical mapping from 1886 records the site as an Infectious Diseases Hospital with all the buildings in the east of the site. Over time more buildings are constructed in the east of the site, with part of a former gravel, sand or clay pit encroaching on site along the western boundary. Further buildings are constructed and demolished over time with buildings also being constructed on the western portion of the site. The surrounding area records a cemetery immediately east, with many areas associated with gravel pits and coal mining shafts being recorded.</p>
Geology	<p>Made ground is not recorded to be present at the site. However, given that the site has undergone several isolated re-developments and the extractive industries it is likely that made ground deposits will be encountered.</p> <p>Superficial geology is recorded to be present as the Glaciofluvial Deposits which are further underlain by Glacial Till deposits.</p> <p>Bedrock geology is recorded to be present as the Pennine Middle Coal Measures Formation.</p> <p>The site is recorded to be within a Coal Mining Reporting Area. In accordance with the Coal Authorities Interactive Map online, the site is recorded to be within a development high risk area, has mine entry potential zones of influence, has probable shallow coal mine workings and coal outcrops within the site boundary. Therefore, a Consultants Coal Mining Report was obtained for the site.</p> <p>This records four seams of coal and one seam of ironstone that are reported to have been worked at depths in the range of 47m bgl to 142m bgl. The shallowest recorded worked seam is recorded to have an extraction thickness of 6.40m and is a coal seam. It is also reported that there are probable unrecorded shallow workings that the coal authority has no knowledge of. There are three mine entries recorded as shafts within the site boundary. The reference numbers for these shafts are 4000293-060, 400293-061 and 400293-062. The coal authority has no record of treatment ever being undertaken to the respective mine shafts. Two coal seams are recorded to outcrop within the site boundary.</p> <p>There are two BGS recorded mineral sites within 250m of the site boundary. The closest is situated approximately 62m north-west of the site and was previously called Marsh Lane. This was an opencast site with the commodity being Sand & Gravels from the Glaciofluvial Deposits.</p>
Hydrogeology	<p>The Glaciofluvial Deposits are classed as Secondary A Aquifers. The Glacial Till Deposits are classed as Secondary Undifferentiated Aquifers. The bedrock geology of the Pennine Middle Coal Measures Formation is classed as a Secondary A Aquifer.</p> <p>There are no groundwater abstractions recorded within 1km of the site boundary. The site is not situated within a Source Protection Zone (SPZ).</p>
Hydrology	<p>The closest surface water receptor is recorded to be approximately 645m north-west of the site boundary.</p>

	<p>There are no surface water abstractions within 1km of the site boundary.</p> <p>The site does not lie within an area depicted on the EA Flood Zone maps to be at risk of flooding from rivers of the sea. The site is largely recorded to have no attributed risk to surface water flooding. Minor portions of the western site are recorded to have a low risk of surface water flooding.</p>
Landfill and Pollution	<p>There is one historical landfill recorded within 250m of the site boundary. This is recorded to be approximately 218m west of the site at the Phoenix Collegiate. A further seven historical landfills are recorded between 250m – 1000m from the site boundary.</p> <p>There is one licensed waste management facility and registered waste transfer site located within 250m of the site boundary. This is located approximately 196m east of the site at Walsall Road Depot.</p> <p>There are five incidences of potentially infilled land within 250m of the site boundary. The closest is recorded approximately 26m west of the site and is likely to have been a former pit or quarry.</p>
Previous Investigations/ Works	<p>No previous reports pertaining to the site have been made available for review by the client.</p>
Initial Ground Contamination Assessment	<p>End Users – High risk from potential ground gas sources including made ground, areas of potentially infilled land and the cemetery immediately north and east of the site. Potential for unrecorded shallow coal mine workings which can generate ground gases. Moderate risk from on-site sources of potential contamination given the former use as a coal extracting area and diseases hospital.</p> <p>Construction Workers – Moderate / Low risk from on-site and off-site sources of potential contamination within the soils.</p> <p>Controlled Waters – Low risk to the groundwater receptors from on-site sources, geological deposits are likely to have a cohesive stratum of the glacial till, inhibiting migration of any potential contamination to the bedrock aquifer. No groundwater abstractions within 1km and the site is not within an SPZ. Very Low risk to surface water receptor due to this being situated approximately 645m north-west of the site.</p>
Ground Engineering Considerations	<p>Given the presence of the three recorded mine shafts within the site boundary it is possible that deep made ground could be present as spoil / waste materials from the worked seams below the site. In any future ground investigations, it is likely that the coal authority will request that the three mine shaft positions should be located to determine their definitive presence and confirm whether any treatment has been completed historically.</p> <p>The site has also undergone several isolated re-developments where the presence of former foundations or other structures could still be present within the site soils.</p>
Recommendations	<p>Completion of a Coal Mining Risk Assessment (CMRA) to determine the potential risks specific to the coal mining legacy of the site.</p> <p>Completion of a ground investigation to confirm the ground conditions and potential presence of mine shafts and potential unrecorded shallow coal mine workings. Collect environmental samples of the site soils to review the preliminary conceptual site model. Obtain geotechnical samples to determine the geotechnical parameters suitable for foundation designs. Completion of ground gas and groundwater monitoring to determine risk to end users from ground gases and also confirm the likely groundwater levels.</p>



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1.0 Introduction

1.1 Project Background

In February 2020 Curtins were instructed by Kier Midlands Ltd to undertake a Phase 1 Preliminary Site Assessment (PSA) of the existing Heath Lane Hospital site in West Bromwich.

1.2 Scope of Services

The Phase 1 is intended to provide an overview of the geo-environmental and geo-technical setting of the site, prior to redevelopment of the site.

The Phase 1 Preliminary Risk assessment has been undertaken on the overall Heath Lane Hospital Site as show on Figure 1. It is understood that separate planning applications will be submitted for phrases development of this area. Figure 2 shows the know phrases development to date, these include the development of single storey energy centre located within the central section of the site as shown in Figure 2a and the development of the site includes the refurbishment of MacArthur within the *southwestern section of the site in Figure 2b*



Figure 1 shows the site overall boundary for Heath Lane Hospital, West Bromwich.



Figure 2a: shows the red line boundary for the site wide infrastructure boundary.



Figure 2b: shows the red line boundary for the MacArthur Extension.

Through this overview the Phase 1 aims to develop both a working conceptual and ground model for the site, as well as present an initial assessment of any risks that could be presented to the development including its intended end users and the wider environment.

Specifically, the Phase 1 provides an initial assessment of the site regarding:

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

Consideration of detailed flood risk, ecology and archaeological issues are outside of the scope of this report.

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Phase 1 Preliminary Site Assessment



2.0 Current Site and Surrounding Area Details

2.1 Site Location and Current Details

A combination of satellite imagery and street view images have been used to provide a summary of the site details below.

Table 2.1 – Site Details

Site Address	Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW
NGR	400750, 293330
Area of Site	Approximately 1.88 Ha
Current Site Use and Description	<p>Satellite imagery has been used to provide a summary of the current site use. The following pertinent details were recorded:</p> <ul style="list-style-type: none"> • The site is currently recorded as Heath Lane Hospital, with a mixture between buildings, hardstanding and areas of soft landscaping. • The topography of the site generally slopes to the north. • Site hardstanding areas appear to be surfaced by asphalt for most of the site. The south-east corner of the site has an orange gravel appearance. This could possibly be the position of a former building.

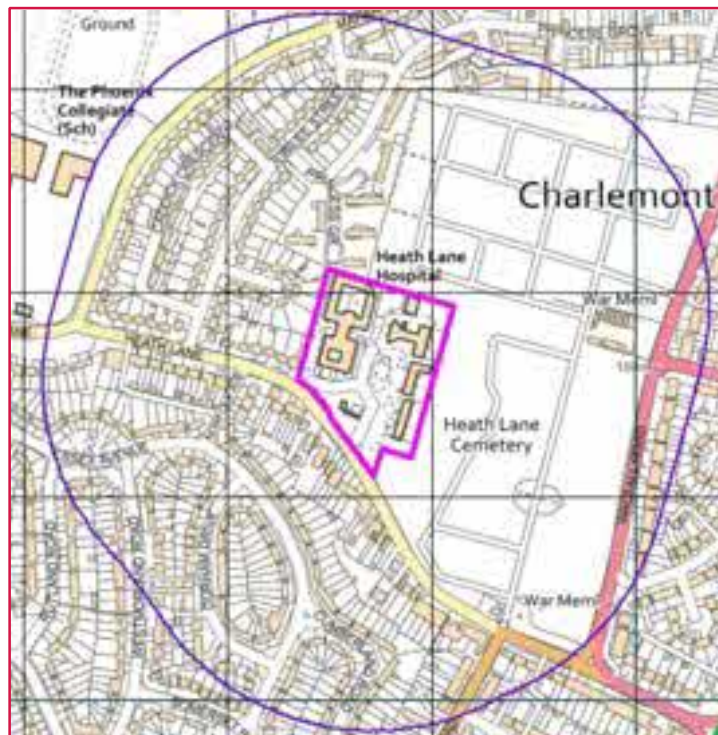


Fig 2.1 – Site Location Plan, site boundary shown in pink with 250m buffer shown in purple. Crown Copyright. License Number 100022432.



2.2 Surrounding Area Details

The following information was also established during the site visit and through undertaking an environmental database search (Envirocheck report (Ref. 1)) included in Appendix B).

Table 2.2 - Surrounding Area

Surrounding Area	N	North-east is part of Heath Lane Cemetery and north-west is residential housing.
	E	Row of trees with the grounds of Heath Lane Cemetery, Walsall Road and residential housing beyond.
	S	Immediately south is Heath Lane with residential housing beyond.
	W	Row of trees with residential housing and Phoenix Collegiate School beyond.

3.0 Site History

A review of the available historical mapping and other information for the site, as presented within the Envirocheck report (Ref. 1), has been undertaken and is presented in Table 3.1 below.

Table 3.1 Previous Site and Surrounding Area Uses and Potential Sources of Contamination

Date	Description	Potential Sources of Contamination
1886	<p>Initial mapping from 1886 records the site as an Infectious Diseases Hospital with all the buildings in the eastern portion of the site.</p> <p>In the surrounding area gravel pits are recorded to be present approximately 20-30m north-west of the site. A shaft with mounds of shingle is recorded approximately 100m north-west of the site. Immediately south-east of the site is the land associated with West Bromwich Cemetery. Approximately 100m south-west is recorded to be shafts with more mounds of shingle. More shafts are recorded approximately 250m south-west of the site.</p>	<ul style="list-style-type: none"> • Potential for disposal of medical waste on the grounds of the site. • Uncontrolled deposition of made ground in the surrounding area. Mostly waste / spoil materials from coal mine workings and gravel / sand pits. • Cemetery immediately east of the site, potential for ground gases.
1903 – 1920	<p>Within the site boundary more buildings are constructed on the eastern portion of the site. In 1920 along the western boundary and encroaching slightly into the site is a potential sand, gravel or clay pit.</p> <p>In the surrounding area, the West Bromwich Cemetery also encompasses the land immediately east of the site boundary. Old coal shafts are recorded approximately 190m north-east of the site. Residential housing has been erected south of the site boundary. More shafts are recorded approximately 140-170m west of the site an appear to be associated with Hall End Colliery. In 1920 Hall End Colliery and the presence of shafts are no longer recorded in the surrounding area.</p>	<ul style="list-style-type: none"> • Uncontrolled deposition of Made Ground from construction associated with the development of the site. • Potential of unrecorded infilled land associated with the former pit along the western boundary line. Potential for ground gases. • No changes to types of off-site source contamination.
1938 – 1967	<p>Within the site boundary one of the buildings to the north appears to have been demolished and a new building constructed in its place. A new building is also constructed on the north-western portion of the site. In 1960 the site is now recorded as Heath Lane Hospital. In the south-western portion of the site a tennis court and non-coniferous trees are present.</p> <p>In the surrounding area, the West Bromwich Cemetery has expanded and now also occupies the land immediate north-east of the site. The surrounding area in general has seen a big increase in the number of residential houses.</p>	<ul style="list-style-type: none"> • Uncontrolled deposition of Made Ground from demolition and construction of new buildings on-site.
1973 - 2020	<p>Within the site boundary the tennis courts are no longer recorded and replaced with a new building. In 1992 more smaller buildings are constructed in the north and south-eastern areas of the site. In 2003 the building recorded in the south-west corner is no longer present, assumed to be demolished. In 2020 a new building is recorded in the south-west corner of the site joining with the building in the north-west corner of the site. One of the buildings in the south-east corner of the site appears to have been demolished.</p>	<ul style="list-style-type: none"> • Uncontrolled deposition of Made Ground from demolition and construction of buildings on-site.



Date	Description	Potential Sources of Contamination
	No significant changes are recorded in the surrounding area up to the present day.	

Potential sources of on-site contamination are further discussed in *Section 7.0*.

4.0 Geology, Hydrogeology and Hydrology

4.1 Geology and Hydrogeology

A study of the Envirocheck records, British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Birmingham (Sheet 168) (Ref. 2) indicates the following geological and hydrogeological succession underlying the site:

Table 4.1a Geological / Hydrogeological Succession

Geology	Associated Hydrogeological Classification
Made Ground deposits are not recorded to be present at the site. However, given that the site has undergone isolated re-developments several times and the activity of the surrounding extractive geological industries, made ground is likely to be encountered.	N/A
Glaciofluvial Deposits (Sand & Gravel)	Secondary A Aquifer ⁽³⁾
Glacial Till ⁽¹⁾	Secondary Undifferentiated Aquifer ⁽⁴⁾
Pennine Middle Coal Measures Formation ⁽²⁾	Secondary A Aquifer ⁽³⁾

Notes:

- These comprise a group of sediments laid down by the direct action of glacial ice, usually sandy, silty clay with pebbles, but can contain gravel-rich, or laminated sand layers; varied in colour and consistency.*
- These rocks comprised interbedded grey mudstone, siltstone, pale grey sandstone and commonly coal seams, with a bed of mudstone containing marine fossils at the base, and several such marine fossil-bearing mudstones in the upper half of the unit.*
- 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.*
- Secondary Undifferentiated Aquifers are assigned in cases where it has not been possible to attribute either Category A or B to the soil type. In most cases this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the soil type.*

There are no BGS geological fault lines recorded within the site boundary. However, there are eight recorded within 1km of the site boundary.

Using the BGS Geology of Britain Interactive Map (ref. 3) there are BGS recorded boreholes within the area but do not provide substantial information for the shallow soil deposits that is likely to include made ground, glaciofluvial and glacial till deposits. However, there are some records of the deeper geological strata within the Pennine Middle Coal Measures. These records mostly relate to a seam of coal named 'Thick Coal' which locally was of considerable thickness and was reported to be worked and excavated. Local boreholes record the 'Thick Coal' to range in thickness of between 6m – 8m. Generally, the 'Thick Coal' seam was encountered at depths ranging between 27m bgl to 46m bgl according to the available logs. Details of which are provided below.

Table 4.1b BGS Borehole Records

BGS Reference	Location	Details
SP09SW14	British National Grid: 400640, 293510	Depth to Thick Coal – 43.89m bgl. No reported thickness.
SP09SW15	British National Grid: 400640, 293410	Depth to Thick Coal – 27.43m bgl. No reported thickness.
SP09SW16	British National Grid: 400520, 293330	Depth to Thick Coal – 43.89m bgl. No reported thickness.
SP09SW238	British National Grid: 400580, 293270	Depth to Thick Coal – 23.77m bgl. Reported thickness of 8.23m.

The superficial and bedrock aquifers beneath the site are reported to have low groundwater vulnerability. The site is not situated within a Source Protection Zone (SPZ). There are no groundwater abstractions located within 1km of the site.

4.1.1 Mining

The Envirocheck Report (Ref. 1) and The Coal Authority's online interactive mapping (Ref. 4) confirms that the site is situated within a coal mining reporting area. Therefore, a Consultants Coal Mining Report (Ref. 9) has been obtained for this site and is summarised below. The report is contained within Appendix B.

In accordance with the Coal Authorities Interactive Map online, the site is recorded to be within a development high risk area, has mine entry potential zones of influence, has probable shallow coal mine workings and coal outcrops within the site boundary.

Past Underground Coal Mining

The report identified four seams of coal and one seam of ironstone that are reported to be mined within influencing distance of the site in the range of 47m bgl to 142m bgl. The shallowest coal seam is at approximately 47m bgl with an extraction thickness of 6.40m and was last mined in 1899. It is also reported that there are probable unrecorded shallow workings that the coal authority has no knowledge of. No spine roadways are recorded at shallow depth.

Mine Entries

The report identified eight mine entries within the surrounding area, with three of these located within the site boundary to the east and south-eastern portions of the site. These shafts are

referenced 400293-060, 400293-061 and 400293-062. The historical mapping provided within the Envirocheck Report does not date back far enough to record the presence and potential locations of the mine shafts.

Coal Outcrops

It is reported that two seams of coal outcrop onto the site. These are reported to be the New Mine Coal and Staffordshire Thick Coal.

There is no other relevant information to summarise from the Consultants Coal Mining Report.

There are two BGS recorded mineral sites within 250m of the site boundary. The closest is situated approximately 62m north-west of the site and was previously called Marsh Lane. This was an opencast site with the commodity being Sand & Gravels from the Glaciofluvial Deposits.

Based on the forgoing commentary the likelihood of encountering relic coal mining features on-site is high and, therefore, should be considered for further assessment in the form of a Coal Mining Risk Assessment (CMRA).

4.1.2 Other Ground Stability Issues

The Envirocheck Report confirms that there is no hazard to very low hazard potential from the following ground stability hazards on and around the site; running sands, collapsible ground, landslides, shrinking or swelling clay, compressible ground and ground dissolution.

4.1.3 Land Gas

The BGS Radon Mapping (Ref. 1) and UK Maps of Radon Interactive Map (Ref. 5) confirms the site is situated in a low probability radon area where <1% of homes are above the radon action level. On this basis radon protection measures are not considered necessary in the construction of new dwellings or extensions.

Where the new development incorporates a basement the advice of a specialist Radon assessor must be obtained.

4.2 Hydrology

There are no surface water receptors located on the site. The closest surface water receptor is located approximately 645m north-west of the site boundary.

There are no discharge consents recorded within 250m of the site boundary.

There are no pollution incidents to controlled waters that have been recorded within 250m of the site within the last 10 years.

There are no surface water abstractions recorded within 1km of the site.

The site does not lie within an area depicted on the EA Flood Zone maps to be at risk of flooding from rivers or the sea. The site is largely recorded to have no attributed risk to surface water flooding. Minor portions of the western site are recorded to have a low risk of surface water flooding.

4.3 Landfill and Pollution

The Envirocheck Report records no currently operational landfills within 250m of the site boundary.

There is one historical landfill recorded to be within 250m of the site boundary. This is recorded to be approximately 218m west of the site at The Phoenix Collegiate (formerly Menzies High School). Waste included industrial, commercial and household materials. There are a further two historic landfills recorded at approximate distances of 252m north and 427m south-west. With a further five historic landfills recorded between 500m – 1000m from the site boundary.

There is one licensed waste management facility located within 250m of the site boundary. This is located approximately 196m east of the site at Walsall Road Depot. The license for this facility was surrendered in August 2014.

There is one registered waste transfer site within 250m of the site boundary. This is recorded as Walsall Road Depot, with a very small (less than 10,000 tonnes per year) input rate. Authorised waste included grounds maintenance waste.

The Envirocheck Report records five incidences of potentially infilled land within 250m of the site boundary. The closest is recorded approximately 26m west of the site and is likely to have been a former pit or quarry.

There are no local authority pollution and prevention control permits within 250m of the site boundary.

The neighbouring cemetery has the potential to generate ground gases.

5.0 Preliminary Unexploded Ordnance (UXO) Risk Assessment

Military activities including those conducted as part of both the First and Second World Wars have resulted in a legacy of unexploded ordnance (UXO) being present within the shallow soils of the UK.

UXO result from various sources including both allied (military training) and German (bombing raids) with a guide figure of approximately 10% of all munitions failing to function as designed.

The likelihood of UXO being encountered on a development site is influenced by several factors including; the proximity to strategic targets, the nature of the development works being undertaken and evidence of local damage in the post-war periods amongst others. To determine the likelihood of UXO being present on a site, a step-wise risk assessment process is followed. This process is outlined within CIRIA C681 Unexploded Ordnance: A Guide for the Construction Industry with the following commentary considered to represent a Preliminary Risk Assessment intended to guide if and where there is a requirement for a Detailed Risk Assessment.

5.1 Preliminary UXO Assessment

Risk mapping (Ref. 7) for UXO's has placed the site in a moderate risk area. Moderate risk areas are those that show a density of bombing hits of 11-50 bombs per 1000 acres and may contain potential WWII targets. Further action may be required to mitigate UXO risk is essential, albeit more likely that a reduced scope of work is required compared with that needed for high-risk regions.

The Envirocheck Report historical mapping (Ref. 1) does not indicate any ruins, or buildings that disappeared during WWII, on the site or immediately surrounding the site. Analysis of online historical mapping (Ref. 7) does not indicate any bomb strikes within 1km of the site.

Based on the forgoing commentary, the likelihood of encountering UXO on site as part of the ground investigation works is Low.

If unexploded ordnance is discovered, stop immediately, prevent access to the area, and inform the police. If the site boundary or location changes then the UXO risk should be reassessed.



6.0 Previous Reports

6.1 Previous Geo-Environmental Reports

No previous reports pertaining to the site have been made available by the client for review.

7.0 Conceptual Site Model & Qualitative Risk Assessment

The conceptual site model (CSM) and Qualitative Risk Assessment (QRA) are presented in the table presented in this section. A diagrammatic CSM is contained within Appendix A.

The CSM details the source-pathway-receptor linkages or potential pollutant linkages (PPL) that have been identified for the site. The QRA details the associated level of risk relating to these potential pollutant linkages.

The CSM and QRA concern risk to human health and water environment with additional, more specific risk assessment protocols contained within the main body of this reporting, as detailed in Section 7.1 below.

The QRA follows the framework outlined within CIRIA C552 which is summarised within Appendix C.

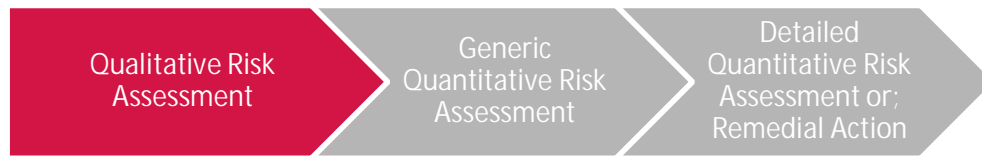
The 'risk rating' within the QRA refers to the risk that the source, pathway, receptor linkage or PPL is complete. Unless specifically stated it does not necessarily refer to an immediate risk and is intended to be used as a tool to assess the necessity for further assessment/investigation.

7.1 Additional Risk Assessments

The following risk assessments, listed below, are not included within the main CSM and QRA but none-the-less can be of critical importance to the onward development of the site.

- The risk presented by Mining is discussed and assessed in Section 4.1.1.
- The risk presented by Radon is discussed and assessed in Section 4.1.3.
- The risk presented by Unexploded Ordnance is discussed and assessed in Section 5.1.

Under current health and safety legislation, employers are required to carry out their own appropriate risk assessments and mitigation to protect themselves and their employees, other human receptors and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations (2015) (Ref. 8) which require that potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate / manage that risk. It has been assumed that any future construction works on site will be undertaken in compliance with these requirements and therefore construction workers involved in the building works at the site have been discounted as a human receptor in the conceptual site model.



- The table below represents the first stage in the land quality risk assessment process: The Qualitative Risk Assessment.
- In order for a development site to be deemed 'suitable for use', the level of risk needs to be brought down to acceptable levels, i.e. low to negligible risk. The purpose of each stage of risk assessment is ultimately to establish, if there is a requirement for additional levels of assessment to be made in order to have sufficient confidence to support a risk characterisation or management decision, e.g. remedial action.

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	Pathway(s)	Receptor(s)	Consequence	Likelihood of Occurrence	Risk Rating	
On-Site Sources of Potential Contamination: <ul style="list-style-type: none"> • Site is likely to have been used for coal mining due to the presence of the three mine shafts and likely associated waste materials. • Potential for disposal of medical waste on the grounds of the site. • Uncontrolled deposition of Made Ground from demolition and construction of new buildings on-site. <i>Potential contaminants of concern associated with the above sources include, amongst others; hydrocarbons including diesel/petrol range organics from fuel spillages, polycyclic aromatic hydrocarbons arising from incomplete combustion, and inorganic compounds including metals, non-metals (from chemical spillages) and asbestos.</i>	Direct contact, ingestion, inhalation (dust and vapours)	End users of site Commercial end users and the public	Medium Chronic health risk	Likely Given the coal mining history, hospital usage and multiple re-developments on-site is it likely that contamination will be present. Potentially in isolated locations.	Moderate	Generic Quantitative Risk Assessment Recommended as part of the investigation.
		Construction Workers	Mild	Likely Workers should be provided with appropriate PPE to prevent exposure to any potential contaminants on site.	Moderate / Low	Workers should be provided with appropriate PPE.
	Vertical Migration through the made ground and superficial deposits May occur due to existing service corridors, basements, and physical processes including; capillary action and downwards into the natural deposits through infiltration.	Water Environment (Groundwater) Secondary A & Undifferentiated Aquifer in superficial deposits Secondary A Aquifer in bedrock deposits Site is not within a designated SPZ No potable groundwater abstractions within 1km	Medium Pollution of sensitive water resources	Unlikely Although there is a Secondary A aquifer below the site there is likely to be a glacial till layer preventing migration of contamination to the underlying bedrock deposits. There are no potable groundwater abstractions within 1km of the site and the site itself is not within a SPZ.	Low	Generic Quantitative Risk Assessment Recommended as part of the ground investigation.
Horizontal Migration over and through the made ground and superficial deposits (soils) May occur due to the influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. sand lenses or drainage runs.	Water Environment (Surface Water) Nearest surface water receptor is located 645m north-west of the site.	Mild Pollution of non-sensitive water resources	Unlikely Given the distance to the surface water receptors it is considered unlikely that this surface water receptor would be affected.	Very Low	No further action recommended.	

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	Pathway(s)	Receptor(s)	Consequence	Likelihood of Occurrence	Risk Rating	
<p>Off-site Sources of Potential Contamination:</p> <ul style="list-style-type: none"> Uncontrolled deposition of made ground in the surrounding area. Mostly waste / spoil materials from coal mine workings and gravel / sand pits. Cemetery immediately east of the site, potential for ground gases. <p><i>Potential contaminants of concern associated with the above sources include, amongst others; hydrocarbons including diesel/petrol range organics from fuel spillages, polycyclic aromatic hydrocarbons arising from incomplete combustion, and inorganic compounds including metals, non-metals and asbestos.</i></p>	<p>Horizontal Migration through the made ground and superficial deposits and air (dust/particulates)</p> <p>Followed by...</p> <p>Direct contact, ingestion, inhalation (dust and vapours)</p>	<p>End users of site</p> <p>Commercial end users and the public</p>	<p>Medium</p> <p>Chronic health risk</p>	<p>Low</p> <p>If and where contamination is present in off-site surroundings it is likely to be either; present as minor inclusions at relatively low concentrations that, on the balance of probability is unlikely to necessitate remedial action, or there will be an absence of a reliable pathway for contaminants to reach the site.</p> <p>Notwithstanding, localised areas of higher contaminations cannot be ruled out.</p>	<p>Moderate / Low</p>	<p>Generic Quantitative Risk Assessment</p> <p>Recommended as part of the ground investigation.</p>
	<p>Horizontal migration through the superficial and bedrock deposits</p>	<p>Water Environment (Groundwater)</p> <p>Secondary A & Undifferentiated Aquifer in superficial deposits</p> <p>Secondary A Aquifer in bedrock deposits</p> <p>Site is not within a designated SPZ</p> <p>No potable groundwater abstractions within 1km</p>	<p>Medium</p>	<p>Low</p> <p>Although there is a Secondary A aquifer below the site, the surrounding area is also recorded to be underlain by glacial till which is likely to be impermeable or at least attenuate any potential contamination.</p>		
<p>On and off-site soils with the potential to generate ground gases:</p> <ul style="list-style-type: none"> Suspected made ground deposits encountered onsite. Cemetery immediately east of the site. Locations of potentially unrecorded infilled land in the surrounding areas. Potential from unrecorded shallow coal mine workings and former mine shafts 	<p>Vertical and horizontal migration through existing service corridors and the underlying made ground, superficial and bedrock deposits</p>	<p>End user of site</p> <p>Commercial end users and the public</p>	<p>Severe</p> <p>Acute health risk, e.g. asphyxiation or risk from explosion</p>	<p>Likely</p> <p>Due to the presence of the likely made ground deposits, cemetery to the north and east, locations of potentially infilled land and potential for unrecorded shallow coal mine workings and former mine shafts providing pathways.</p>	<p>High</p>	<p>Generic Quantitative Risk Assessment</p> <p>Recommended as part of the ground investigation.</p>

8.0 Conclusion and Recommendations

The qualitative risk assessment (QRA) determined a varied level of level of risk associated with the proposed development.

The QRA concluded by recommending that generic quantitative risk assessments (GQRA) were conducted to confirm the assessment of risk ascribed to each of the respective potential pollutant linkages (PPLs). It is recommended that the GQRA is conducted as part of a ground investigation in support of the engineering design of the proposed development an outline scope for which is detailed in the section hereafter.

In summary, the following recommendations are made:

- Completion of a Coal Mining Risk Assessment (CMRA).
- A specific UXO Awareness Briefing to all personnel prior to carrying out intrusive works onsite.
- Undertake an intrusive ground investigation.
- Undertake a GQRA as part of the ground investigation.
- Undertake Ground Gas Monitoring.

It is further recommended that this work is completed in advance of any development works taking place.

8.1 Outline Scope of Works for Ground Investigation

It is envisaged that the ground investigation will comprise the following actions, all undertaken under the supervision of a suitably qualified engineer in line with current guidance and best practice:

- Boreholes - to provide reliable geotechnical information e.g. soil & rock strength parameters, the ability to facilitate soil gas monitoring. Determine presence of any unrecorded shallow coal mine workings.
- Associated geotechnical and environmental laboratory testing - to develop a working ground model, classify the natural material for re-use on site and assess the potential risk to end users of the site and other sensitive receptors.
- Soil gas monitoring - to confirm the risk to end users of the site from soil gases.

8.2 Contaminants of Concern

Potential contaminants of concern associated with the sources identified within the Site History and the Conceptual Site Model in Sections 3.0 and 7.0 respectively include, but are not limited to: broad range aliphatic and aromatic hydrocarbons present within any fuel oils; polycyclic aromatic hydrocarbons (PAHs); inorganic compounds including heavy metals; and asbestos present in discarded building materials.

Potential contaminants associated with the air-born dust/particulates include but are not limited to polycyclic aromatic hydrocarbons and inorganic compounds including toxic metals that are also accounted for by potential on-site contaminants of concern.

8.3 Other Considerations

There may be subsurface obstructions, voids and relic foundations associated with existing buildings.

The requirement for additional surveys, e.g. arboricultural, archaeological and ecological surveys, should be confirmed through advice from a suitably qualified and experienced professional.

9.0 References

1. Landmark (2020) Envirocheck Report (report no. 233877425_1_1).
2. British Geological Society (BGS) Solid and Drift Editions (1996) 1:50,000 mapping, Sheet No. 168 (Birmingham).
3. BGS Geology of Britain Interactive Map <http://mapapps.bgs.ac.uk/geologyofbritain/home.html> (accessed February 2020).
4. Coal Authority Interactive Map Viewer, <http://mapapps2.bgs.ac.uk/coalauthority/home.html> (accessed February 2020).
5. UK Maps of Radon, <http://www.ukradon.org/information/ukmaps> (accessed February 2020).
6. CIRIA (2009) Unexploded Ordnance: A Guide for the Construction Industry (Report no. C681).
7. Zetica (2007) Regional Unexploded Bomb Risk (West Midlands).
8. Health and Safety Executive (2015) Construction (Design and Management) Regulations.
9. The Coal Authority (2020) Consultants Coal Mining Report. Report no. 51002254105001

072904-CUR-00-XX-RP-GE-00001

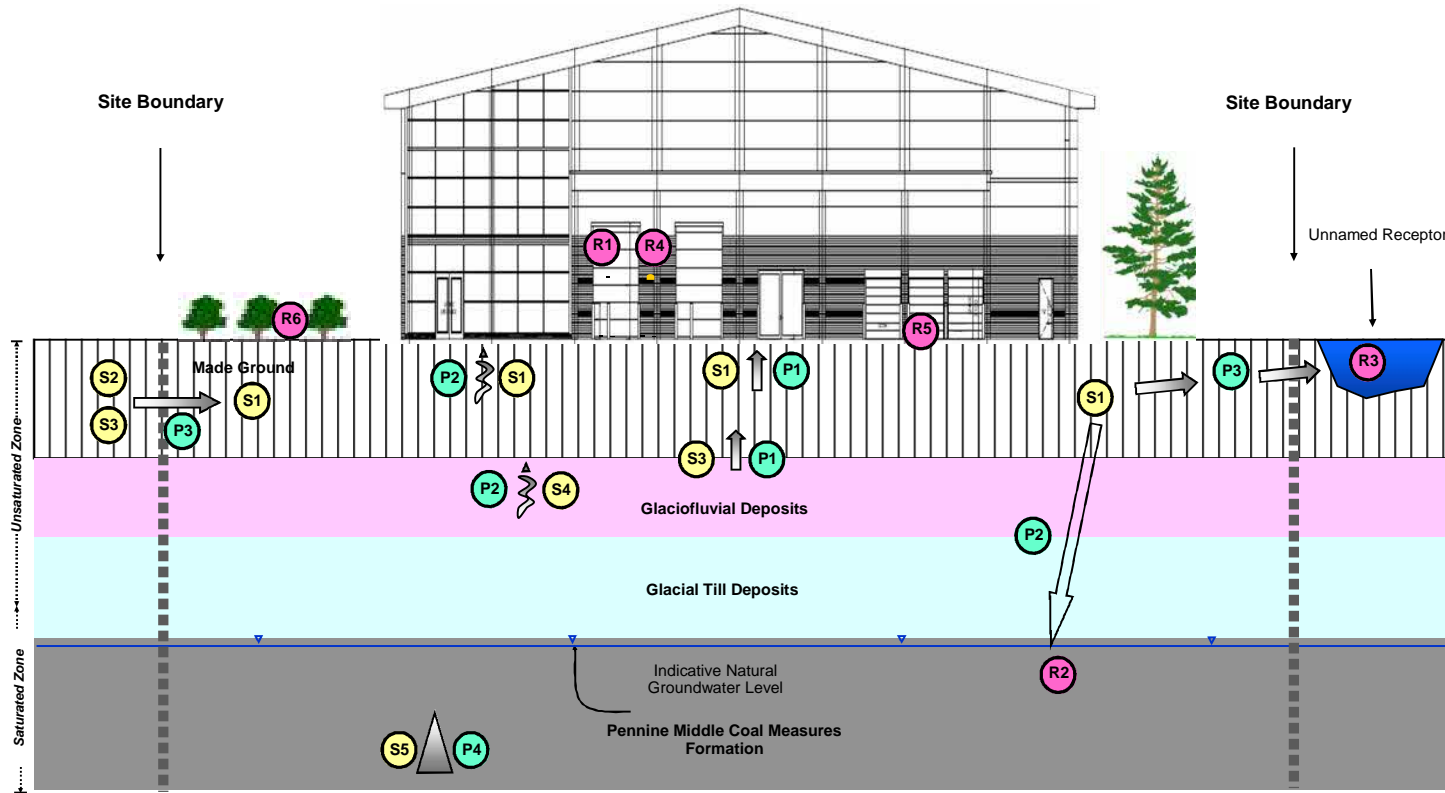
BCP, Heath Lane Mental Health Hospital, West Bromwich

Phase 1 Preliminary Site Assessment



Appendix A – Drawings

BCP, Heath Lane Mental Health, West Bromwich



Sources

- S1** Made-ground (On site)
- S2** Made-ground (Off site)
- S3** Natural soils (On & off site)
- S4** Ground gas sources
- S5** Mine workings

Pathways

- P1** Direct contact, ingestion and or inhalation
- P2** Vertical migration
- P3** Horizontal migration
- P4** Collapse

Receptors

- R1** End users
- R2** Groundwater
- R3** Surface water
- R4** Construction workers
- R5** Construction materials
- R6** Local ecology



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Project

Heath Lane Mental Health, West Bromwich

Drawing Title

Diagrammatic Conceptual Model

Job Reference

072904

Date

17.02.2020

Author

RS

Checked

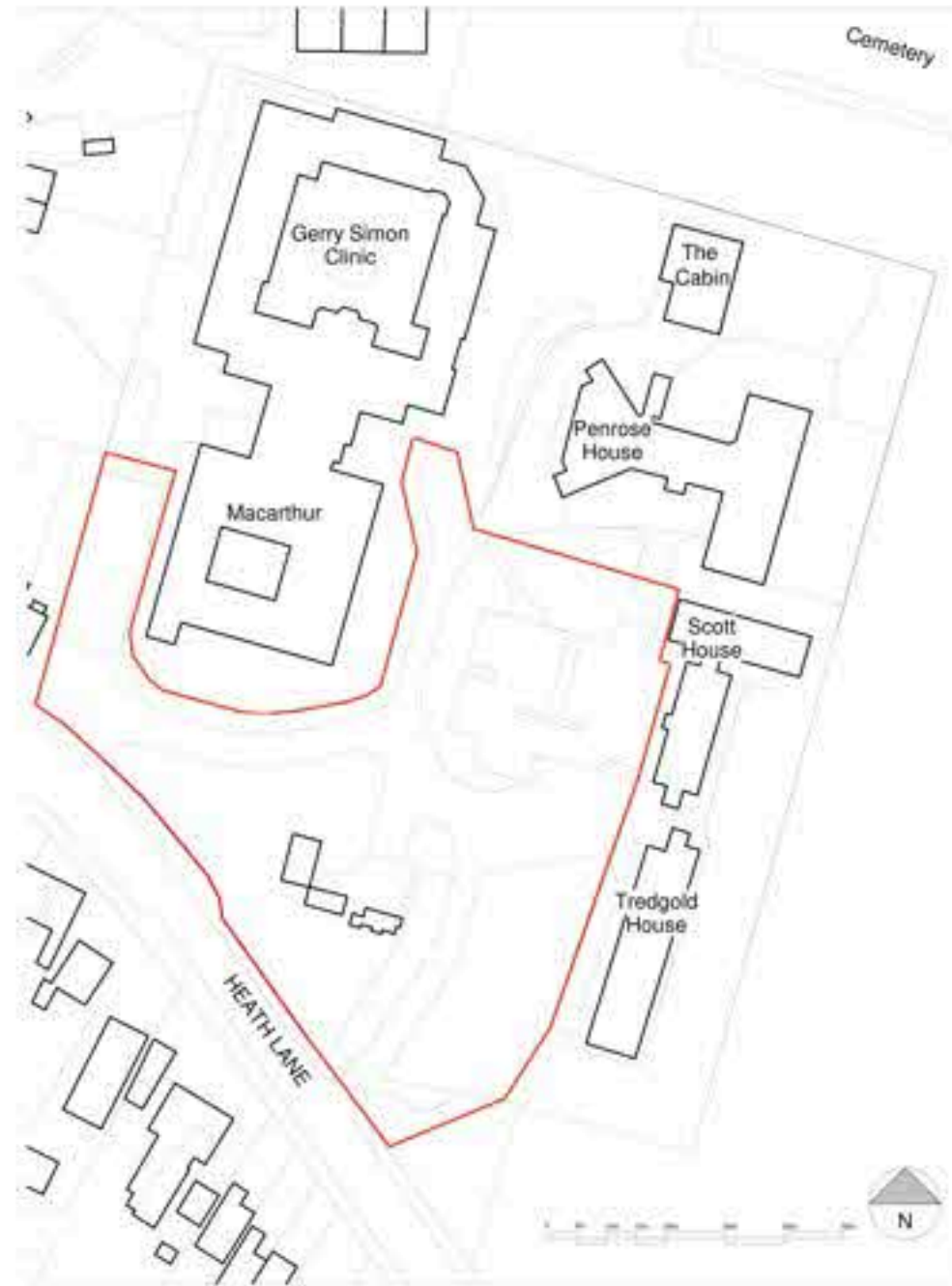
RA

Client

Kier Midlands Ltd

Scale

Not to scale



1:1250

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P01	MRW	Issued for Planning	22/11/23
Rev	By	Description	Date



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Client Name:
Black Country Healthcare NHS Foundation Trust

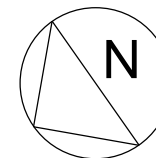
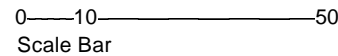
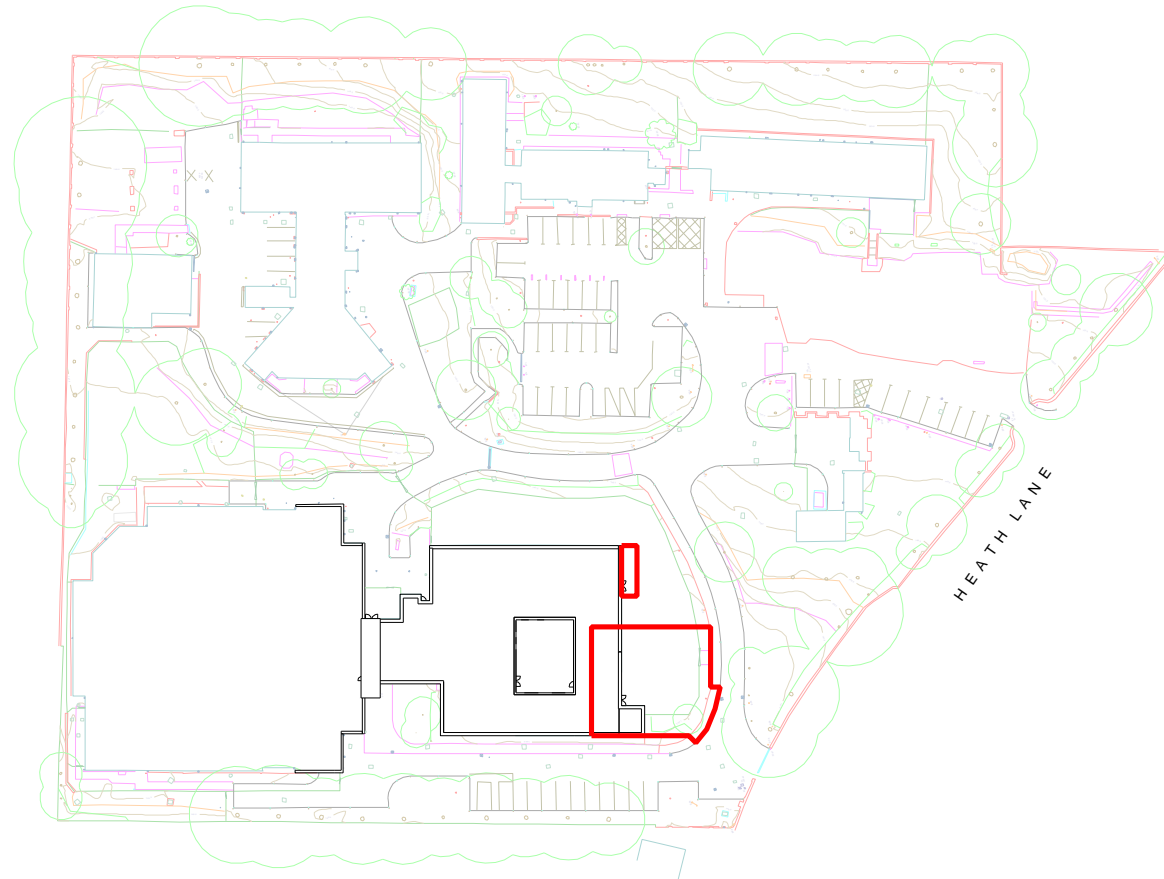
Site Name:
Heath Lane Hospital

Project Name:
Heath Lane Site Infrastructure Works

Drawing Title:
Site Location Plan Site Infrastructure Works

Project No: 8343-001	Sheet Size: A3	Scale:	
Drawn by: MRW	Checked by: MEW	Approved by: RG	Revision: P03

Drawing Number:
Project Code / Originator / Volume / Level / Type / Discipline / System-Number
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Rev	By	Description	Date



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t: 01257 260070 f: 01257 260071

Client Name:
**Black Country Healthcare NHS
Foundation Trust**

Site Name:
Heath Lane Hospital

Project Name:
Macarthur PICU Refurbishment

Drawing Title:
Site Location Plan

Project No:
8343 C

Sheet Size:
A4

Scale:
1 : 1250

Drawn by:
NB

Checked by:
MEW

Approved by:
MEW

Revision:
P01

Suitability:
For Stage Approval

Status:
S4

Drawing Number:
HLHMP-GDA-V2-00-DR-A-1027

072904-CUR-00-XX-RP-GE-00001

BCP, Heath Lane Mental Health Hospital, West Bromwich

Phase 1 Preliminary Site Assessment



Appendix B – Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

233977425_1_1

Customer Reference:

B072904.001

National Grid Reference:

400750, 293330

Slice:

A

Site Area (Ha):

1.88

Search Buffer (m):

1000

Site Details:

Heath Lane Hospital

Heath Lane

West Bromwich

B71 2BW

Client Details:

Mr R Swinnerton

Curtins Consulting Ltd

2 The Wharf

Bridge Street

Birmingham

B1 2JS

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	14
Hazardous Substances	21
Geological	22
Industrial Land Use	29
Sensitive Land Use	40
Data Currency	41
Data Suppliers	47
Useful Contacts	48

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			1	14
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 5				1
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 6			1	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6				Yes
Pollution Incidents to Controlled Waters	pg 6			2	12
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 9				2
River Quality	pg 9			1	2
River Quality Biology Sampling Points	pg 9			1	
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 10				(*5)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 11	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11			1	13

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 14				1
Historical Landfill Sites	pg 14		1	2	5
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 16		1		1
Local Authority Landfill Coverage	pg 16	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 16		1	2	3
Potentially Infilled Land (Non-Water)	pg 17		5	2	7
Potentially Infilled Land (Water)	pg 18			1	18
Registered Landfill Sites	pg 19				2
Registered Waste Transfer Sites	pg 19		1		
Registered Waste Treatment or Disposal Sites	pg 20				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 21				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 22	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 22	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 24		2	3	13
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 27	Yes	n/a	n/a	n/a
Mining Instability	pg 27	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 27	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 27	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 27		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 28	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 28	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 28		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 29	2		7	58
Fuel Station Entries	pg 34				1
Points of Interest - Commercial Services	pg 35		1	1	8
Points of Interest - Education and Health	pg 35	1			3
Points of Interest - Manufacturing and Production	pg 36		2	4	18
Points of Interest - Public Infrastructure	pg 38		3	2	7
Points of Interest - Recreational and Environmental	pg 39				5
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 40				1
Areas of Adopted Green Belt	pg 40			1	
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 40				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 40	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	400745 293329
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	16	1	400800 293250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	91	1	400600 293450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	120	1	400550 293329
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	151	1	400550 293450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	161	1	400600 293550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	170	1	400500 293329
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	170	1	400500 293300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	177	1	400700 293600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	177	1	400745 293600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	232	1	400750 293650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (W)	270	1	400400 293329
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	309	1	400850 293700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	323	1	400900 293700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	328	1	400500 293000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	385	1	400950 293750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	433	1	400950 293800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	434	1	400450 292900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	487	1	400800 293900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	498	1	401100 293800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Clarkes Lane Sso, West Bromwich, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/21233/O Permit Version: 1 Effective Date: 16th November 1992 Issued Date: 16th November 1992 Revocation Date: 8th February 1996 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	423	2	400260 293420
2	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Wigmore Farm, Housing Estate, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/01134/O Permit Version: 1 Effective Date: 7th November 1963 Issued Date: 7th November 1963 Revocation Date: 27th March 2000 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	625	2	400200 293800
3	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Sussex Avenue Cso Sussex Avenue, West Bromwich, Birmingham, West Midlands, B71 1ay Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/35029/O Permit Version: 2 Effective Date: 22nd January 2018 Issued Date: 22nd January 2018 Revocation Date: 30th March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	633	2	400222 292861
3	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Sussex Avenue Cso Sussex Avenue, West Bromwich, Birmingham, West Midlands, B71 1ay Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/35029/O Permit Version: 3 Effective Date: 31st March 2018 Issued Date: 22nd January 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	633	2	400222 292861

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Sussex Avenue Cso Sussex Avenue, West Bromwich, Birmingham, West Midlands, B71 1ay Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/35029/O Permit Version: 1 Effective Date: 25th July 1996 Issued Date: 25th July 1996 Revocation Date: 21st January 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	635	2	400220 292860
4	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Church Lane Cso Hateley Heath, West Bromwich, Midlands, England, B71 1as Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: Tsc479 Permit Version: 1 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 31st May 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	719	2	400280 292670
4	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Church Lane Sso, West Bromich, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/30066/O Permit Version: 1 Effective Date: 3rd April 1995 Issued Date: 3rd April 1995 Revocation Date: 8th February 1996 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	726	2	400270 292670
4	<p>Discharge Consents</p> <p>Operator: Unknown Property Type: Storm Water Sewer Location: Church Lane Sso, WEST BROMWICH Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: CT/08/30066/O2 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Receiving Water Not Defined Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	730	2	400270 292665

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Creswold Street Storm Overflow, West Bromwich, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/21441/O Permit Version: 1 Effective Date: 27th April 1992 Issued Date: 27th April 1992 Revocation Date: 8th February 1996 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	733	2	400270 292660
5	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Beaconsfield Street, East Bromwich Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/22250/O Permit Version: 1 Effective Date: 25th February 1993 Issued Date: 25th February 1993 Revocation Date: 18th December 1998 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	887	2	400460 292380
6	<p>Discharge Consents</p> <p>Operator: Johnsons Iron And Steel Co Ltd Property Type: Chemical Manufacture/Storage Location: Johnsons Iron And Steel Co Ltd, Church Lane, WEST BROMWICH, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T2188/3 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 26th February 1968 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Unknown Environment: Receiving Water: Receiving Water Not Defined Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	893	2	400105 292595
6	<p>Discharge Consents</p> <p>Operator: Johnsons Iron And Steel Co Ltd Property Type: Chemical Manufacture/Storage Location: Johnsons Iron And Steel Co Ltd, Church Lane, WEST BROMWICH, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T2188/1 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 26th February 1968 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Unknown Environment: Receiving Water: Receiving Water Not Defined Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	894	2	400100 292600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: Johnsons Iron And Steel Co Ltd Property Type: Chemical Manufacture/Storage Location: Johnsons Iron And Steel Co Ltd, Church Lane, WEST BROMWICH, West Midlands Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T2188/2 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 26th February 1968 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Unknown Environment: Receiving Water: Receiving Water Not Defined Status: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	897	2	400100 292595
7	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: Undefined Or Other Location: Friar Park Sewage Works, Friar Park, Wednesbury Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: Dt/8617 Permit Version: 1 Effective Date: 30th May 1963 Issued Date: 30th May 1963 Revocation Date: 23rd June 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Tame Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Approximate location provided by supplier</p>	A17NW (NW)	906	2	400000 294000
8	<p>Discharge Consents</p> <p>Operator: Severn Trent Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lyndon/Grafton Road Jct So, West Bromwich, West Bromwich Authority: Environment Agency, Midlands Region Catchment Area: Upper Tame Catchment To Confluence With Rea Reference: T/08/21443/O Permit Version: 1 Effective Date: 27th April 1992 Issued Date: 27th April 1992 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hobnail Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	991	2	400730 292230
9	<p>Integrated Pollution Prevention And Control</p> <p>Name: Hamble Power Limited Location: Hamble Power, Hamble Power, Whites Road,, West Bromwich, West Midlands, B71 1LG Authority: Environment Agency, Midlands Region Permit Reference: PP3400PR Original Permit Ref: Pp3400pr Effective Date: 26th June 2019 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 25B (3)(1)(a) Activity Description: Tranche B SG permitting date 1st January 2019 Primary Activity: N Activity Code: 25A (a) Activity Description: New Medium Combustion Plant Primary Activity: Y</p>	A7NW (SW)	940	2	399950 292710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Sandwell Castings Ltd Location: Bank Street, WEST BROMWICH, West Midlands, B71 1HE Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 91977 Dated: 24th March 1993 Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorisation has varied Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	473	3	400543 292792
11	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: W H Keys Location: Church Lane, WEST BROMWICH, West Midlands, B71 1BN Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: 92950 Dated: 19th December 1995 Process Type: Local Authority Air Pollution Control Description: PG6/16 Printworks Status: Authorised Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	703	3	400137 292856
12	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Tesco Express Filling Station Location: 251 Walsall Road, WEST BROMWICH, West Midlands, B71 3HS Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC93010 Dated: 21st April 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	751	3	401231 294017
13	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: J H Lavender & Co Ltd Location: Crankhall Lane, Wednesbury, West Midlands, B71 3JZ Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Permit Reference: PPC92434 Dated: 12th February 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG2/6 Aluminium and aluminium alloy processes Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A23SW (N)	957	3	400712 294380
	Nearest Surface Water Feature	A17SE (NW)	645	-	400298 293929
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Schools/Universities Location: Westminster Road, Millfields Spec School, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Hobnail Brook; Diesel Tank Pipe Split Oil Leaked Out To Ground Incident Date: 11th January 1999 Incident Reference: 2705141 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A18SW (N)	277	2	400700 293700
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: Kesteven Road Authority: Environment Agency, Midlands Region Pollutant: Other Chemicals Note: Hobnail Brook; Grey Metallic Trade Effluent In Culverted Brook; No Adverse Effects Incident Date: 21st August 1997 Incident Reference: 2702798 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	470	2	400200 293300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Surface Water Outfall Location: Surface Water Sewer, Clive Street, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Hobnail Brook; Sewage; No Adverse Effects Incident Date: 2nd September 1997 Incident Reference: 2703496 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (SW)	529	2	400500 292750
17	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Foul Sewer Location: Golf Course Vale Street, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Blocked Sewer; Amenity Effected Incident Date: 24th November 1997 Incident Reference: 2703252 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A9NW (SE)	613	2	401150 292750
18	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: Bescott Cres, Opposite Walsall Football Club, WALSALL Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: Unknown; 45 Gallon Drum Poss Toxic In River Incident Date: 14th May 1999 Incident Reference: 2003527 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	621	2	400750 292600
19	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: Ryddings Lane, WEDNESBURY Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wildlife Affected; Mill Pool; Oil Incident Date: 3rd January 1997 Incident Reference: 2700981 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	622	2	400300 293900
20	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Foul Sewer Location: Lindsey Road, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Hobnail Brook; Sewer Blocked; No Adverse Effect Incident Date: 15th September 1995 Incident Reference: 1700017 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A17SE (NW)	660	2	400100 293700
21	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Domestic/Residential Location: 22 Jowetts Lane, WEST BROMWICH, West Midlands, B71 2QU Authority: Environment Agency, Midlands Region Pollutant: Oils - Waste Oil Note: Unknown Watercourse; Engine Oil In Drains; Other Adverse Effects; Incident Date: 1st July 1999 Incident Reference: 2705912 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier</p>	A12SW (W)	702	2	400001 293101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Combined Sewer Overflow Location: Rear Of 83, BEACONSFIELD Authority: Environment Agency, Midlands Region Pollutant: Storm Sewage Note: Hobnail Brook; Crude Sewage Overflow Operated With Sewage Solids Visible In Garden; No Adverse Effects Incident Date: 21st August 1997 Incident Reference: 2702797 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SW (S)	856	2	400500 292400
23	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: Ridgeacre Road, Ridgeacre Canal, WEST BROMWICH, West Midlands, B71 Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Unknown Note: Unknown Watercourse; Water Grey & Thick; Amenity Affected; Incident Date: 15th July 1999 Incident Reference: 2705993 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier</p>	A7NW (SW)	919	2	399850 292900
24	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Surface Water Outfall Location: Windsor Road Authority: Environment Agency, Midlands Region Pollutant: Crude Sewage Note: Hobnail Brook; Wrong Connection (Bad One); No Adverse Effects Incident Date: 21st August 1997 Incident Reference: 2702799 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A17NW (NW)	973	2	400001 294101
25	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: Rear Railway Public House, Walsall Road , STONE CROSS Authority: Environment Agency, Midlands Region Pollutant: Oils - Unknown Note: Tame Valley Canal; Oil On Canal Dead Fish; Fish Effectuated Incident Date: 15th March 1998 Incident Reference: 2002966 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A23SE (N)	982	2	400800 294400
26	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Hospital Location: Sandwell Hospital Accident & Emergency, WEST BROMWICH Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Other Note: Hobnail Brook; 5 Pump Fire; Amenity Effectuated Incident Date: 25th January 1998 Incident Reference: 2002912 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Watercourse Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A3NE (S)	992	2	400950 292250
27	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Miscellaneous Premises: Unknown Location: Rear Of, Wodenborough School, WEDNESBURY Authority: Environment Agency, Midlands Region Pollutant: Miscellaneous - Unknown Note: Fish Killed; Tame Valley Canal; 20 Dead Fish Incident Date: 19th June 1996 Incident Reference: 2701365 Catchment Area: Trent Catchment : Upper Tame To Confluence With Rea Receiving Water: Canal Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A17NE (NW)	993	2	400150 294250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Registered Radioactive Substances Name: Sandwell And West Birmingham Hospitals Nhs Trust Location: Sandwell General Hospital, Lyndon, West Bromich, B71 4hj Authority: Environment Agency, Midlands Region Permit Reference: Bv7583 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Authorisation certificate surrendered by operator Positional Accuracy: Automatically positioned to the address	A3NE (S)	981	2	400852 292245
28	Registered Radioactive Substances Name: Sandwell And West Birmingham Hospitals Nhs Trust Location: Sandwell General Hospital, Lyndon, West Bromich, B71 4hj Authority: Environment Agency, Midlands Region Permit Reference: Ca1758 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Authorisation certificate surrendered by operator Positional Accuracy: Automatically positioned to the address	A3NE (S)	981	2	400852 292245
	River Quality Name: Hobnail Bk GQA Grade: River Quality E Reach: Hateley Heath To Conf. Oldbury Arm Estimated Distance (km): 1.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12NE (NW)	432	2	400282 293553
	River Quality Name: Ridgacre Branch GQA Grade: River Quality E Reach: Black Lane To Jn. Walsall Canal Estimated Distance (km): 2.3 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A7NW (SW)	834	2	399966 292866
	River Quality Name: Tame Valley GQA Grade: River Quality E Reach: Jn. Walsall Canal To Rushall Canal Estimated Distance (km): 5.2 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A23SW (N)	982	2	400520 294389
29	River Quality Biology Sampling Points Name: Hobnail Brook Reach: Hateley Heath To Confluence Oldbury Arm Estimated Distance: 1.10 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2000 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade D - Fair	A12NE (W)	371	2	400300 293350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Sandwell And West Birmingham Hospitals Nhs Trust Licence Number: 03/28/08/0276 Permit Version: 1 Location: Sandwell Hospital - Borehole Authority: Environment Agency, Midlands Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sandwell Hospital, West Bromwich Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 24th February 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	1175	2	400840 292050
	<p>Water Abstractions</p> <p>Operator: Brockhouse Forgings Ltd Licence Number: 03/28/08/0111 Permit Version: 100 Location: Brockhouse Forgings Premises,West Bromwich - Borehole Authority: Environment Agency, Midlands Region Abstraction: Machinery And Electronics: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Brockhouse Forgings Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st May 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1793	2	398900 293600
	<p>Water Abstractions</p> <p>Operator: Brockhouse Forgings Ltd Licence Number: 03/28/08/0111 Permit Version: 100 Location: Brockhouse Forgings Premises,West Bromwich - Borehole Authority: Environment Agency, Midlands Region Abstraction: Machinery And Electronics: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Brockhouse Forgings Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st May 1984 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1793	2	398900 293600
	<p>Water Abstractions</p> <p>Operator: Sandwell Metropolitan B C Licence Number: 03/28/08/0259 Permit Version: 100 Location: Sandwell Mbc - Swan Pool,Sandwell Valley Authority: Environment Agency, Midlands Region Abstraction: Municipal Grounds: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sandwell Metropolitan Borough Council Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 20th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A5NE (SE)	1906	2	402330 292130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sandwell Metropolitan B C Licence Number: 03/28/08/0259 Permit Version: 100 Location: Sandwell Mbc - Dartmouth Park Pool Authority: Environment Agency, Midlands Region Abstraction: Municipal Grounds: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Sandwell Metropolitan Borough Council Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 20th June 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1947	2	401460 291410
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: Superficial >10m Thickness: Superficial Medium Recharge:	A13NW (N)	0	4	400745 293329
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (N)	0	4	400745 293329
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (N)	0	4	400745 293329
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2110.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NE (W)	387	5	400311 293488
31	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 148.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A17SE (NW)	650	5	400259 293902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 966.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ridgacre Branch Canal Catchment Name: Trent Primacy: 1	A7NW (SW)	865	5	399900 292921
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SE (E)	891	5	401672 293119
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	933	5	401347 292498
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 343.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SE (SE)	936	5	401460 292595
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SE (E)	948	5	401732 293122
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A15SW (E)	976	5	401759 293111
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 154.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	976	5	401281 292401
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SE (SE)	978	5	401500 292576
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 281.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	982	5	401211 292356

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	984	5	401266 292384
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 884.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A9SW (SE)	993	5	401391 292455
43	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A15SW (E)	999	5	401779 293098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	<p>BGS Recorded Landfill Sites</p> <p>Site Name: Hall Green Road Location: WEST BROMWICH, West Mids Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Derived</p>	A18NE (N)	861	-	400944 294249
45	<p>Historical Landfill Sites</p> <p>Licence Holder: Sandwell Metropolitan Borough Council Location: Menzies High School, Marsh Lane, West Bromwich, West Midlands Name: Marsh Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23710 First Input Date: 31st December 1935 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4600/0325 BGS Ref: Not Supplied Other Ref: SP09SW-123D, 644/1782, LF/0122</p>	A13NW (W)	218	2	400467 293431
46	<p>Historical Landfill Sites</p> <p>Licence Holder: Sandwell Metropolitan Borough Council Location: Westminster Road, West Bromwich, West Midlands Name: Westminster Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23711 First Input Date: 31st December 1945 Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4600/0321 BGS Ref: Not Supplied Other Ref: SP09SW-43A, 644/1782, LF/0123</p>	A18SW (N)	252	2	400722 293675
47	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Church Lane, West Bromwich, West Midlands Name: Former Vowles Foundry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23679 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 644/2148, 4600/9106, LF/0036</p>	A8NW (SW)	427	2	400451 292909
48	<p>Historical Landfill Sites</p> <p>Licence Holder: Sandwell Metropolitan Borough Council Location: Ridgeacre Industrial Estate, Church Lane, Black Lake, West Bromwich, West Midlands Name: Blacklake Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23678 First Input Date: 21st January 1978 Last Input Date: 31st March 1978 Specified Waste Type: Deposited Waste included Industrial Waste and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4600/0127 BGS Ref: Not Supplied Other Ref: SL/99, 644/468, LF/0007, LF/0032</p>	A12SE (SW)	557	2	400221 292985

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	<p>Historical Landfill Sites</p> <p>Licence Holder: Sandwell Metropolitan Borough Council Location: Church Lane, West Bromwich, West Midlands Name: Former Vowles Car Park, Church Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23680 First Input Date: 31st December 1988 Last Input Date: 14th April 1989 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4600/0223 BGS Ref: Not Supplied Other Ref: SL/586, 644/281, 644/934, LF/0034</p>	A8NW (SW)	632	2	400420 292677
50	<p>Historical Landfill Sites</p> <p>Licence Holder: T and S Elements Limited Location: Land At Hall Green Road, Hall Green Road, Stone Cross, West Bromwich, West Midlands Name: Land At Hall Green Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23726 First Input Date: 30th September 1938 Last Input Date: 31st March 1984 Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4600/0030 BGS Ref: 2823 Other Ref: 644/580, SL/57, 644/4, LF/0029</p>	A18NE (N)	861	2	400965 294243
51	<p>Historical Landfill Sites</p> <p>Licence Holder: Sandwell Metropolitan Borough Council Location: Hall Green Road, Stone Cross, West Bromwich, West Midlands Name: Needwood Grove Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23712 First Input Date: 31st December 1955 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial and Special Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4600/0317 BGS Ref: Not Supplied Other Ref: SL/57, 644/580, LF/0124</p>	A23SE (N)	991	2	401032 294357
52	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Hall Green Works, Crankhall Lane, West Bromwich, West Midlands Name: J.H. Lavender and Company Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD23725 First Input Date: 1st January 1932 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: Not Supplied BGS Ref: Not Supplied Other Ref: 644/239, 4600/9104</p>	A23SW (N)	994	2	400718 294418

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 42560 Location: Walsall Road Depot, Walsall Road, West Bromwich, West Midlands, B71 3HH Operator Name: Sandwell Metropolitan Borough Council Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 23rd September 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 15th August 2014 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NE (E)	196	2	401015 293354
54	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 42443 Location: Plot 2, Church Lane, Vector Industrial Park, West Bromwich, West Midlands, B71 1DG Operator Name: Personnel Hygiene Services Ltd Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, Central Area Site Category: Special Waste Transfer Stations Licence Status: Issued Issued: 14th September 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	985	2	399984 292592
	<p>Local Authority Landfill Coverage</p> <p>Name: Sandwell Metropolitan Borough Council - Has supplied landfill data</p>		0	3	400745 293329
55	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Menzies High School/Marsh Lane, West Bromwich Reference: LF0122 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Domestic, Industrial Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good</p>	A13NW (W)	217	3	400464 293433
56	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Westminster Road, West Bromwich, West Midlands Reference: LF0123 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Domestic, Industrial Date of Closure: 1974 Positional Accuracy: Positioned by the supplier Boundary Quality: Good</p>	A18SW (N)	252	3	400726 293674
57	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Former Vowles Foundry, Church Lane, West Bromwich Reference: LF0036 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good</p>	A8NW (SW)	426	3	400445 292916
58	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Vector Industrial Park, Johnsons Bridge Road, Black Lake, West Bromwich Reference: LF0032 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good</p>	A7NE (SW)	562	3	400216 292983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	Local Authority Recorded Landfill Sites Location: Enterprise Park/Ridgeacre Industrial Park, Black Lake, West Bromwich, West Midlands Reference: LF0007 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A7NW (SW)	758	3	399999 292962
60	Local Authority Recorded Landfill Sites Location: Needwood Grove Public Open Space, West Bromwich, West Midlands Reference: LF0124 Authority: Sandwell Metropolitan Borough Council, Environmental Health Department Last Reported Status: Closed Types of Waste: Domestic, Inert Industrial Date of Closure: 1970 Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A23SE (N)	978	3	401019 294348
61	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NW (W)	26	-	400647 293369
62	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NW (W)	53	-	400617 293322
63	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NW (NW)	221	-	400502 293522
64	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NE (N)	222	-	400786 293629
65	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NE (N)	241	-	400752 293658
66	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18SW (N)	348	-	400609 293760
67	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18SE (NE)	486	-	400998 293839
68	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18SE (N)	504	-	400794 293918
69	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A12SE (SW)	557	-	400177 293055
70	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8NW (S)	606	-	400506 292662
71	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A12NW (W)	669	-	400011 293431
72	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8SW (S)	692	-	400562 292553

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A17SW (NW)	774	-	400013 293782
74	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18NE (N)	876	-	400941 294266
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (W)	433	-	400253 293429
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12SE (W)	537	-	400144 293206
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	567	-	400223 292964
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	639	-	400219 292855
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	662	-	400377 292668
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A12SW (W)	715	-	399954 293307
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	780	-	400127 292741
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	796	-	400045 292823
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	802	-	399994 292882
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	819	-	400015 292824
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1947	A8SW (S)	912	-	400628 292316
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SW (S)	916	-	400614 292313
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7SE (SW)	920	-	400096 292566
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A17NE (N)	922	-	400373 294286
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A7NW (SW)	934	-	399949 292722
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A11SE (W)	938	-	399732 293301
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A3NW (S)	952	-	400694 292270
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A11NE (W)	958	-	399718 293422

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1891</p>	A11NE (W)	994	-	399691 293492
94	<p>Registered Landfill Sites</p> <p>Licence Holder: Sandwell M.D.C. Licence Reference: SL 586 Site Location: Car Park At Vowles Foundry, Church Lane, West Bromwich, West Midlands Licence Easting: 400370 Licence Northing: 292600 Operator Location: Env.Serv.Dept. Flash Lane, Oldbury, West Midlands Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st October 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Crushed Brick Foundry Sand Inert Natural Materials, Topsoil Nat.Occurring Fill Prohibited Waste: Poisonous, Noxious, Polluting Wastes</p>	A7SE (SW)	724	2	400370 292600
95	<p>Registered Landfill Sites</p> <p>Licence Holder: Sandwell M.B.C. Licence Reference: SL 99 Site Location: Black Lake, West Bromwich, West Midlands Licence Easting: 399850 Licence Northing: 292850 Operator Location: Box 42, Pennyhill Lane, WEST BROMWICH, West Midlands, B71 3RZ Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Foundry Sand</p>	A7NW (SW)	943	2	399850 292850
96	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Sandwell M.B.C. Contract Services Licence Reference: SL 1202 MOD 1 Site Location: Walsall Road Depot, West Bromwich, West Midlands Operator Location: Shidas Lane, OLDBURY, West Midlands, B69 2BP Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st November 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Grounds Maintenance Waste Max.Waste Permitted By Licence Prohibited Waste: Liquid Wastes Poisonous, Noxious, Polluting Wastes Sludge Wastes Waste N.O.S.</p>	A13NE (E)	153	2	400970 293350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	<p>Registered Waste Treatment or Disposal Sites</p> <p>Licence Holder: Personnel Hygiene Services Ltd Licence Reference: SL 1238 MOD 1 Site Location: Plot 2 Vector Industrial Park, Church Lane, WEST BROMWICH, West Midlands, B71 1DG</p> <p>Operator Location: Western Industrial Estate, CAERPHILLY, Mid Glamorgan, CF83 1XH Authority: Environment Agency - Midlands Region, Upper Trent Area Site Category: Transfer - with treatment Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste</p> <p>Restrictions: Licence Status: Operational as far as is known Dated: 1st September 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Human Tissue Pharmaceuticals Sanitary Disposal Waste Sharps Surgical Swabs/Dressings From Prohibited Waste: Waste N.O.S.</p>	A7SE (SW)	825	2	400200 292600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	<p>Control of Major Accident Hazards Sites (COMAH)</p> <p>Name: W H Keys Ltd Location: Church Lane, WEST BROMWICH, West Midlands, B71 1BN Reference: 4470 Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	703	6	400137 292856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13NW (N)	0	1	400745 293329
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (N)	0	1	400745 293329
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	40	1	400841 293262
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	214	1	400468 293393
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (NW)	214	1	400500 293500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	226	1	400487 293500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	229	1	400500 293536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (W)	385	1	400306 293446
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (W)	396	1	400310 293500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	488	1	400240 293590
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	511	1	400190 293500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	534	1	400238 293000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	540	1	400181 293587

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	669	1	400302 293962
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	681	1	400277 292723
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	698	1	400704 294121
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	765	1	401000 292500
99	BGS Recorded Mineral Sites Site Name: Marsh Lane Location: Hall Green, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66070 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	62	1	400656 293468
100	BGS Recorded Mineral Sites Site Name: Marsh Lane Location: Hall Green, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66009 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	245	1	400753 293662

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Hall End Gravel Pit Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25273 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A13SW (SW)	353	1	400460 293010
102	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Hall End Gravel Pits Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25272 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SW)	419	1	400485 292890
103	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Hall End Colliery Location: Hall End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66065 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	433	1	400286 293115
104	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Millpool Colliery Location: Hatley Heath, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66066 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	510	1	400304 293745
105	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Stone Cross Colliery Location: Hall Green, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66019 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A18SE (NE)	552	1	401071 293879
106	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Wisley Pit Location: Hall Green, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66069 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	589	1	400807 294002

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Hall End Clay Pit Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25271 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	646	1	400280 292770
108	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Shrubbery Brick Works Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25270 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SW)	670	1	400435 292625
109	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Coppice Colliery Location: Hall End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66063 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A12SW (SW)	679	1	400050 293037
110	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Shrubbery Brick Works Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25269 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	697	1	400505 292565
111	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Moorlands Colliery No 3 Shaft Location: Hall Green, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66067 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	749	1	400355 294089
112	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Hall End Brick Works Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25268 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	799	1	400455 292475

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	BGS Recorded Mineral Sites Site Name: Shrubbery Colliery Location: Hall End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66068 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (S)	808	1	400563 292433
114	BGS Recorded Mineral Sites Site Name: Crookhay Colliery Location: Hatley Heath, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66062 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	826	1	399924 293709
115	BGS Recorded Mineral Sites Site Name: Millfield Colliery Location: Hatley Heath, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66064 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	890	1	400055 294037
116	BGS Recorded Mineral Sites Site Name: Coles Farm Collieries Location: Hill Top, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66060 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A11SE (W)	981	1	399690 293274
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (N)	0	7	400745 293329
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (N)	0	-	400745 293329
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	215	1	400477 293461
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	214	1	400468 293393
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	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	A13NW (N)	0	1	400745 293329

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	Contemporary Trade Directory Entries Name: Heath Lane Hospital Location: Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BG Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	0	-	400721 293344
117	Contemporary Trade Directory Entries Name: Heath Lane Hospital Location: Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BG Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	0	-	400721 293344
118	Contemporary Trade Directory Entries Name: Ironing Essentials Location: 116, Bexley Grove, West Bromwich, West Midlands, B71 3JL Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	303	-	401038 293079
119	Contemporary Trade Directory Entries Name: Direct Heating Services Location: 1, Ebrington Road, West Bromwich, West Midlands, B71 1AB Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	384	-	400911 292876
120	Contemporary Trade Directory Entries Name: Sandwell Castings Ltd Location: Bank Street, West Bromwich, West Midlands, B71 1HE Classification: Die-Casting Equipment & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	473	-	400543 292792
120	Contemporary Trade Directory Entries Name: Tricorn Uk Ltd Location: Bank Street, West Bromwich, B71 1HB Classification: Tube Bending Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	516	-	400526 292752
120	Contemporary Trade Directory Entries Name: Maxpower Automotive Ltd Location: Bank Street, West Bromwich, West Midlands, B71 1HB Classification: Tube Bending Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	517	-	400526 292752
120	Contemporary Trade Directory Entries Name: Maxpower Location: Bank Street, West Bromwich, West Midlands, B71 1HB Classification: Tube Bending Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	517	-	400526 292752
120	Contemporary Trade Directory Entries Name: Maxpower Automotive Location: Bank Street, West Bromwich, West Midlands, B71 1HB Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	517	-	400526 292752
120	Contemporary Trade Directory Entries Name: Maxpower Automotive Ltd Location: Bank Street, West Bromwich, West Midlands, B71 1HB Classification: Tube Bending Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	517	-	400526 292752
121	Contemporary Trade Directory Entries Name: M T M Electrics Location: 28, Marsh Lane, West Bromwich, West Midlands, B71 2DP Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	477	-	401036 293813
121	Contemporary Trade Directory Entries Name: M T M Location: 28, Marsh Lane, West Bromwich, West Midlands, B71 2DP Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	477	-	401036 293813

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Contemporary Trade Directory Entries Name: Distribution Plus Location: 5, Okehampton Drive, West Bromwich, West Midlands, B71 1DE Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	486	-	400479 292813
123	Contemporary Trade Directory Entries Name: Granlyn Specialist Coatings Location: Bank Street, West Bromwich, West Midlands, B71 1HF Classification: Car Paint & Lacquer Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	492	-	400606 292748
124	Contemporary Trade Directory Entries Name: High Performance Cleaning Location: 8, Holly Road, West Bromwich, West Midlands, B71 3AD Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	502	-	401261 293630
125	Contemporary Trade Directory Entries Name: Leanne Handmade Cards & Crafts Location: 7, Marsh Lane, West Bromwich, West Midlands, B71 2DR Classification: Greeting Card Publishers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	538	-	401097 293849
126	Contemporary Trade Directory Entries Name: Dust Devil Location: 9, Ripon Drive, West Bromwich, West Midlands, B71 2JP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	566	-	400640 293986
127	Contemporary Trade Directory Entries Name: D M International Transport Ltd Location: 26, Canterbury Road, West Bromwich, B71 2LB Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	578	-	400535 293977
128	Contemporary Trade Directory Entries Name: Clean Dry Cleaning Location: 6, Jowetts Lane, West Bromwich, West Midlands, B71 2RA Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	582	-	400119 293506
129	Contemporary Trade Directory Entries Name: Stonecross Hardware Location: 98, Walsall Road, West Bromwich, West Midlands, B71 3HN Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	606	-	401149 293896
130	Contemporary Trade Directory Entries Name: A1 Rubbish Removal Location: 8, Allerton Lane, West Bromwich, West Midlands, B71 2HS Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	610	-	400109 293576
131	Contemporary Trade Directory Entries Name: Always Vsk Location: 51, Allerton Lane, West Bromwich, West Midlands, B71 2HG Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	634	-	400114 293668
132	Contemporary Trade Directory Entries Name: M P B S Location: 5, Melrose Avenue, West Bromwich, West Midlands, B71 2LW Classification: Timber Preservation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	637	-	400815 294049
132	Contemporary Trade Directory Entries Name: M P B S Ltd Location: 5, Melrose Avenue, West Bromwich, West Midlands, B71 2LW Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	637	-	400815 294049

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	<p>Contemporary Trade Directory Entries</p> <p>Name: Five Star Roofing Location: 64, Beverley Road, West Bromwich, West Midlands, B71 2LR Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	658	-	400858 294061
133	<p>Contemporary Trade Directory Entries</p> <p>Name: Car Plumbing & Heating Location: 5, Jubilee Avenue, West Bromwich, West Midlands, B71 2QT Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	671	-	400025 293499
134	<p>Contemporary Trade Directory Entries</p> <p>Name: Dartmouth Medical Location: 26, Hopkins Drive, West Bromwich, West Midlands, B71 3RT Classification: Gas - Industrial & Medical Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	706	-	401509 293226
135	<p>Contemporary Trade Directory Entries</p> <p>Name: Black Country Stairlifts Location: 2, Bustleholme Lane, West Bromwich, West Midlands, B71 3AP Classification: Stairlifts - Manufacturers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	718	-	401358 293864
135	<p>Contemporary Trade Directory Entries</p> <p>Name: Oak Mobility Ltd Location: 14, Bustleholme Lane, West Bromwich, West Midlands, B71 3AP Classification: Stairlifts - Manufacturers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	743	-	401354 293906
135	<p>Contemporary Trade Directory Entries</p> <p>Name: Oak Mobility Ltd Location: 14, Bustleholme Lane, West Bromwich, West Midlands, B71 3AP Classification: Stairlifts - Manufacturers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	743	-	401354 293906
136	<p>Contemporary Trade Directory Entries</p> <p>Name: I C Fixings Ltd Location: Unit 4, Church La Ind Est, West Bromwich, West Midlands, B71 1AR Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A7SE (SW)	738	-	400316 292618
137	<p>Contemporary Trade Directory Entries</p> <p>Name: Dynorims Ltd Location: 22, Lincoln Road, West Bromwich, West Midlands, B71 2JE Classification: Tyre Repairs & Retreading Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	740	-	400806 294155
138	<p>Contemporary Trade Directory Entries</p> <p>Name: Tesco Petrol Station Location: 247-249 Walsall Road Sandwell West Bromwich, West Midlands, B71 3HS Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	751	-	401228 294018
139	<p>Contemporary Trade Directory Entries</p> <p>Name: Medway Ltd Location: Parsonage Street, West Bromwich, West Midlands, B71 4DP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	753	-	400925 292490
140	<p>Contemporary Trade Directory Entries</p> <p>Name: Buse Gases Location: Johnsons Bridge Road, West Bromwich, B71 1DG Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	773	-	400104 292785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	<p>Contemporary Trade Directory Entries</p> <p>Name: C K Special Gases Ltd Location: Johnsons Bridge Road, West Bromwich, B71 1DG Classification: Gas Suppliers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	773	-	400104 292785
141	<p>Contemporary Trade Directory Entries</p> <p>Name: Flawless Cleaning Location: 23, David Harman Drive, West Bromwich, B71 3RH Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NE (E)	777	-	401598 293420
142	<p>Contemporary Trade Directory Entries</p> <p>Name: Eagle Power Ltd Location: Johnsons Bridge Road, WEST BROMWICH, West Midlands, B71 1DG Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	781	-	400136 292729
142	<p>Contemporary Trade Directory Entries</p> <p>Name: Eagle Power Location: Johnsons Bridge Road, West Bromwich, West Midlands, B71 1DG Classification: Diesel Fuel Injection Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	781	-	400136 292729
143	<p>Contemporary Trade Directory Entries</p> <p>Name: No 1 Blinds Location: 148, Walsall Road, West Bromwich, B71 3HP Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	794	-	401185 294093
144	<p>Contemporary Trade Directory Entries</p> <p>Name: Hockley Pattern & Tool Ltd Location: Unit 1, Johnsons Bridge Road, West Bromwich, West Midlands, B71 1DG Classification: Pattern Makers - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	806	-	400155 292670
145	<p>Contemporary Trade Directory Entries</p> <p>Name: Melia Engineering & Machining Services Ltd Location: West Bromwich, West Midlands, B71 1ar Classification: Precision Engineers Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A7SE (SW)	818	-	400205 292604
145	<p>Contemporary Trade Directory Entries</p> <p>Name: Wallplan Ltd Location: Church Lane Industrial Estate, West Bromwich, West Midlands, B71 1AR Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (SW)	818	-	400205 292604
145	<p>Contemporary Trade Directory Entries</p> <p>Name: P E K Transport Ltd Location: Unit 1, Church Lane Industrial Estate, West Bromwich, West Midlands, B71 1AR Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (SW)	818	-	400205 292604
145	<p>Contemporary Trade Directory Entries</p> <p>Name: Transervice Express Location: Unit 7-10, Church Lane Industrial Estate, West Bromwich, West Midlands, B71 1AR Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SE (SW)	818	-	400205 292604
145	<p>Contemporary Trade Directory Entries</p> <p>Name: Cleaning 2000 Location: Unit 7, Church Lane Industrial Estate, West Bromwich, West Midlands, B71 1AR Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SE (SW)	818	-	400205 292604

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	<p>Contemporary Trade Directory Entries</p> <p>Name: F H Wakelin Ltd Location: Unit 9-10, Church La Ind Est, West Bromwich, West Midlands, B71 1AR Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A7SE (SW)	819	-	400204 292604
146	<p>Contemporary Trade Directory Entries</p> <p>Name: M H Electrics Location: 1, Hall Green Road, West Bromwich, B71 3JS Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	833	-	401174 294142
147	<p>Contemporary Trade Directory Entries</p> <p>Name: Fosters Fencing Location: 47, Hall Green Road, West Bromwich, West Midlands, B71 3JS Classification: Concrete Products Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	835	-	401001 294204
148	<p>Contemporary Trade Directory Entries</p> <p>Name: P H S Location: Unit 2 Vector Industrial Park, Church Lane, West Bromwich, West Midlands, B71 1DG Classification: Hygiene & Cleansing Services Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A7SE (SW)	875	-	400083 292646
148	<p>Contemporary Trade Directory Entries</p> <p>Name: Qualfab Fabricating Engineers Location: Johnsons Bridge Road, West Bromwich, West Midlands, B71 1DG Classification: Precision Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A7SE (SW)	875	-	400083 292646
149	<p>Contemporary Trade Directory Entries</p> <p>Name: Crusader Contractor Services Location: Unit 11, Ridgacre Enterprise Park, Ridgacre Road, West Bromwich, West Midlands, B71 1BW Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	893	-	399915 292838
149	<p>Contemporary Trade Directory Entries</p> <p>Name: Infinity Stonewear Location: Unit 11, Ridgacre Enterprise Pk, Ridgacre Rd, West Bromwich, West Midlands, B71 1BW Classification: Garden Ornament Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A7NW (SW)	894	-	399914 292838
149	<p>Contemporary Trade Directory Entries</p> <p>Name: R Rice Supplies Ltd Location: Unit 13, Ridgacre Enterprise Park, Ridgacre Road, West Bromwich, West Midlands, B71 1BW Classification: Janitorial Equipment - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	898	-	399903 292848
149	<p>Contemporary Trade Directory Entries</p> <p>Name: Novel Plant & Contracting Location: Unit 13/15, Ridgacre Enterprise Park, Ridgacre Road, West Bromwich, West Midlands, B71 1BW Classification: Firefighting Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A7NW (SW)	898	-	399903 292848
149	<p>Contemporary Trade Directory Entries</p> <p>Name: Elwall Patterns Location: Unit 7, Ridgacre Enterprise Park, Ridgacre Road, West Bromwich, West Midlands, B71 1BW Classification: Pattern Makers - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	909	-	399889 292850
150	<p>Contemporary Trade Directory Entries</p> <p>Name: Fulltex Press Sales Ltd Location: Whites Rd, West Bromwich, West Midlands, B71 1DF Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A7SW (SW)	927	-	400025 292634

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	<p>Contemporary Trade Directory Entries</p> <p>Name: Domestic Sprinklers Location: 159, Witton Lane, West Bromwich, West Midlands, B71 2AF Classification: Firefighting Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	A12NW (W)	936	-	399771 293576
152	<p>Contemporary Trade Directory Entries</p> <p>Name: S L D Transport Ltd Location: 10, Rydding Lane, West Bromwich, West Midlands, B71 2HA Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17NW (NW)	942	-	399989 294041
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Metsol Ltd Location: Unit 3/5, Ridgacre Enterprise Park, Ridgacre Road, West Bromwich, West Midlands, B71 1BW Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	966	-	399843 292815
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Metsol Engineering Location: Unit 3-5, Ridgacre Enterprise Park, Ridgacre Road, West Bromwich, West Midlands, B71 1BW Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NW (SW)	966	-	399843 292815
154	<p>Contemporary Trade Directory Entries</p> <p>Name: D Finney Location: Whites Road, West Bromwich, West Midlands, B71 1DF Classification: Engineers - General Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A7SW (SW)	971	-	399979 292621
154	<p>Contemporary Trade Directory Entries</p> <p>Name: Vogue Ceramics Ltd Location: Oaklands House, Ridgacre Road, West Bromwich, West Midlands, B71 1BB Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7SW (SW)	998	-	399952 292612
155	<p>Contemporary Trade Directory Entries</p> <p>Name: J H Lavender & Co Ltd Location: Crankhall Lane, West Bromwich, West Midlands, B71 3JZ Classification: Aluminium Fabricators Status: Active Positional Accuracy: Automatically positioned to the address</p>	A23SW (N)	981	-	400722 294404
156	<p>Contemporary Trade Directory Entries</p> <p>Name: Let'S Talk Rubbish Location: 30, Crankhall Lane, WEST BROMWICH, West Midlands, B71 3JY Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A23SW (N)	986	-	400632 294407
157	<p>Contemporary Trade Directory Entries</p> <p>Name: Tye Tools & Abrasives Ltd Location: 4, Stable Croft, West Bromwich, West Midlands, B71 3SQ Classification: Abrasive Products - Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A15NW (E)	996	-	401814 293469
158	<p>Contemporary Trade Directory Entries</p> <p>Name: Sandwell M R I Centre Location: Lyndon, West Bromwich, B71 4HJ Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address</p>	A3NE (S)	998	-	400886 292233
159	<p>Fuel Station Entries</p> <p>Name: Tesco Stone Cross Express Location: 247-249, Walsall Road , Stone Cross , West Bromwich, West Midlands, B71 3HS Brand: Tesco Express Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	751	-	401231 294017

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	Points of Interest - Commercial Services Name: J & H Autos Location: 238 Marsh Lane, West Bromwich, B71 2DB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (W)	203	8	400481 293395
161	Points of Interest - Commercial Services Name: Granlyn Specialist Coatings Location: Bank Street, West Bromwich, B71 1HF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	492	8	400606 292748
162	Points of Interest - Commercial Services Name: D M International Transport Ltd Location: 26 Canterbury Road, West Bromwich, B71 2LB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (N)	578	8	400535 293977
163	Points of Interest - Commercial Services Name: Transervice Express Transport Ltd Location: Church La Ind Est, West Bromwich, West Midlands, B71 1AR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	701	8	400324 292658
164	Points of Interest - Commercial Services Name: Dynorims Ltd Location: 22 Lincoln Road, West Bromwich, B71 2JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	740	8	400806 294155
165	Points of Interest - Commercial Services Name: Panic Deliveries Ltd Location: Unit 8, Church Lane Industrial Estate, West Bromwich, B71 1AR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	818	8	400205 292604
165	Points of Interest - Commercial Services Name: Panic Deliveries Ltd Location: Unit 8, Church Lane Industrial Estate, West Bromwich, B71 1AR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	818	8	400205 292604
165	Points of Interest - Commercial Services Name: Transervice Express Location: Unit 7-10, Church Lane Industrial Estate, West Bromwich, B71 1AR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	819	8	400204 292604
166	Points of Interest - Commercial Services Name: S L D Transport Ltd Location: 10 Rydding Lane, West Bromwich, B71 2HA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NW (NW)	942	8	399989 294041
167	Points of Interest - Commercial Services Name: Vogue Ceramics Ltd Location: Oaklands House, Ridgacre Road, West Bromwich, B71 1BB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SW (SW)	998	8	399952 292612
168	Points of Interest - Education and Health Name: Heath Lane Hospital Location: Tregold House Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BG Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SE (SE)	0	8	400775 293282
169	Points of Interest - Education and Health Name: Sandwell General Hospital Location: Lyndon, West Bromwich, B71 4HJ Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A8SE (S)	901	8	400828 292324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	Points of Interest - Education and Health Name: Sandwell General Hospital Location: Lyndon, West Bromwich, B71 4HJ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A3NE (S)	962	8	400831 292263
169	Points of Interest - Education and Health Name: Sandwell General Hospital Location: Lyndon, West Bromwich, B71 4HJ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A3NE (S)	962	8	400831 292263
170	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	206	8	400846 293042
170	Points of Interest - Manufacturing and Production Name: Works Location: B71 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	206	8	400843 293041
171	Points of Interest - Manufacturing and Production Name: Tank Location: B71 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	348	8	400368 293528
172	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	401	8	400562 292863
172	Points of Interest - Manufacturing and Production Name: Tank Location: B71 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	425	8	400562 292836
172	Points of Interest - Manufacturing and Production Name: Tank Location: B71 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	434	8	400611 292807
173	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	535	8	400512 292738
173	Points of Interest - Manufacturing and Production Name: Works Location: B71 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	536	8	400509 292738
173	Points of Interest - Manufacturing and Production Name: Works Location: B71 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	552	8	400486 292732
174	Points of Interest - Manufacturing and Production Name: Tanks Location: B71 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	681	8	400108 292930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	Points of Interest - Manufacturing and Production Name: Tanks Location: B71 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	709	8	400102 292890
174	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	755	8	400048 292886
175	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	733	8	400935 292513
175	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	775	8	400921 292466
176	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	804	8	400151 292676
176	Points of Interest - Manufacturing and Production Name: Works Location: B71 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	807	8	400148 292676
177	Points of Interest - Manufacturing and Production Name: Vector Industrial Park Location: B71 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	852	8	400034 292748
178	Points of Interest - Manufacturing and Production Name: Tank Location: B71 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	920	8	401738 293473
179	Points of Interest - Manufacturing and Production Name: Ridgacre Enterprise Park Location: B71 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	938	8	399859 292844
179	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	946	8	399896 292771
179	Points of Interest - Manufacturing and Production Name: Works Location: B71 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	949	8	399893 292770
180	Points of Interest - Manufacturing and Production Name: Works Location: B71 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	967	8	400715 294390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	968	8	400720 294391
181	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	975	8	400032 292554
182	Points of Interest - Public Infrastructure Name: Heath Lane Cemetery Location: B71 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	56	8	400860 293318
183	Points of Interest - Public Infrastructure Name: Heath Lane Cemetery Location: B71 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	167	8	400885 293541
184	Points of Interest - Public Infrastructure Name: Heath Lane Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	210	8	401024 293445
184	Points of Interest - Public Infrastructure Name: Heath Lane Cemetery Location: B71 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	260	8	401033 293539
185	Points of Interest - Public Infrastructure Name: Hollyhedge House Police Sector Station Location: Hollyhedge Road, West Bromwich, West Midlands, B71 3AA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13SE (SE)	371	8	401076 293015
186	Points of Interest - Public Infrastructure Name: A1 Rubbish Removal Location: 8 Allerton Lane, West Bromwich, B71 2HS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12NE (W)	610	8	400109 293576
186	Points of Interest - Public Infrastructure Name: A P S Rubbish Removal Location: 8 Allerton Lane, West Bromwich, B71 2HS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12NE (W)	610	8	400109 293576
187	Points of Interest - Public Infrastructure Name: Tesco Filling Station Location: 247-249 Walsall Road, West Bromwich, B71 3HS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A19NW (NE)	751	8	401228 294018
187	Points of Interest - Public Infrastructure Name: Tesco Stone Cross Express Location: 247 Walsall Road, West Bromwich, B71 3HS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A19NW (NE)	751	8	401231 294017
187	Points of Interest - Public Infrastructure Name: Pylon Sstn Location: Walsall Road, West Bromwich, B71 3HS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A19NW (NE)	752	8	401231 294018

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	Points of Interest - Public Infrastructure Name: Let's Talk Rubbish Location: 30 Crankhall Lane, West Bromwich, B71 3JY Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A23SW (N)	986	8	400632 294407
188	Points of Interest - Public Infrastructure Name: Let's Talk Rubbish Location: 30 Crankhall Lane, West Bromwich, B71 3JY Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A23SW (N)	986	8	400632 294407
189	Points of Interest - Recreational and Environmental Name: Playground Location: Okehampton Drive, B71 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NW (SW)	567	8	400436 292744
190	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	580	8	400199 292976
190	Points of Interest - Recreational and Environmental Name: Playground Location: Sussex Avenue, B71 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	584	8	400194 292976
191	Points of Interest - Recreational and Environmental Name: Play Area Location: B71 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	744	8	401360 292772
192	Points of Interest - Recreational and Environmental Name: Play Area Location: B71 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	858	8	399841 293093

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	Ancient Woodland Name: Chambers Wood Reference: 1107376 Area(m ²): 18736.62 Type: Ancient and Semi-Natural Woodland	A9SW (SE)	982	9	401337 292430
194	Areas of Adopted Green Belt Authority: Sandwell Metropolitan Borough Council, Planning Department Plan Name: Site Allocations And Delivery Status: Adopted Plan Date: 4th December 2012	A9NW (SE)	422	10	401106 292971
195	Local Nature Reserves Name: Sots Hole With Bluebell Wood Multiple Area: Y Area (m2): 95819.46 Source: Natural England Designation Date: 7th September 1996	A9SW (SE)	891	9	401246 292479
196	Nitrate Vulnerable Zones Name: River Trent (Source To Confluence With Derwent) Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NW (N)	0	4	400745 293329

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Wolverhampton City Council - Environmental Health (Public Protection) Walsall Metropolitan Borough Council - Pollution Control Division Sandwell Metropolitan Borough Council - Environmental Health Department Dudley Metropolitan Borough Council - Environmental Protection Division Birmingham City Council - Environmental Protection Unit	February 2014 February 2019 March 2013 March 2014 March 2015	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	October 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Midlands Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	October 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Birmingham City Council - Environmental Protection Unit Sandwell Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council - Environmental Health (Public Protection) Dudley Metropolitan Borough Council - Environmental Protection Division Walsall Metropolitan Borough Council - Environmental Health Department	January 2015 July 2015 March 2014 May 2013 May 2014	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Dudley Metropolitan Borough Council - Environmental Protection Division Birmingham City Council - Environmental Protection Unit Sandwell Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council - Environmental Health (Public Protection) Walsall Metropolitan Borough Council - Environmental Health Department	December 2014 January 2015 July 2015 March 2014 May 2014	Annual Rolling Update Not Applicable Annually Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Dudley Metropolitan Borough Council - Environmental Protection Division Birmingham City Council - Environmental Protection Unit Sandwell Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council - Environmental Health (Public Protection) Walsall Metropolitan Borough Council - Environmental Health Department	December 2014 January 2015 July 2015 March 2014 May 2014	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2019	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	July 2015	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Midlands Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	October 2019 October 2019 October 2019	Quarterly Quarterly Quarterly

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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	November 2019 November 2019 November 2019	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	October 2019 October 2019 October 2019	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Birmingham City Council - Environmental Protection Unit Dudley Metropolitan Borough Council - Environmental Protection Division Sandwell Metropolitan Borough Council - Environmental Health Department Walsall Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council	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 Sandwell Metropolitan Borough Council - Environmental Health Department Walsall Metropolitan Borough Council - Environmental Health Department Wolverhampton City Council Dudley Metropolitan Borough Council - Environmental Protection Division Birmingham City Council - Environmental Protection Unit	February 2003 May 2000 May 2000 November 2006 September 2016	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Upper Severn Area Environment Agency - Midlands Region - Upper Trent Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable

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

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	December 2019	Quarterly
Points of Interest - Education and Health PointX	December 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2019	Quarterly
Points of Interest - Public Infrastructure PointX	December 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Birmingham City Council Dudley Metropolitan Borough Council Sandwell Metropolitan Borough Council - Planning Department Walsall Metropolitan Borough Council Wolverhampton City Council	February 2020 February 2020 February 2020 February 2020 February 2020	As notified As notified As notified As notified As notified
Areas of Unadopted Green Belt Birmingham City Council Dudley Metropolitan Borough Council Sandwell Metropolitan Borough Council - Planning Department Walsall Metropolitan Borough Council Wolverhampton City Council	February 2020 February 2020 February 2020 February 2020 February 2020	As notified As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	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
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Sandwell Metropolitan Borough Council - Environmental Health Department Freeth Street, Oldbury, West Midlands, B69 3DE	Telephone: 0845 358 2200 Website: www.sandwell.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	Sandwell Metropolitan Borough Council - Planning Department Freeth Street, Oldbury, West Midlands, B69 3DE	Telephone: 0845 358 2200 Website: www.sandwell.gov.uk
11	Birmingham City Council Feedback, Freepost, Birmingham, West Midlands, B1 1BR	Telephone: 0121 303 1111 Website: www.birmingham.gov.uk
12	Walsall Metropolitan Borough Council Civic Centre, Darwall Street, Walsall, West Midlands, WS1 1TP	Telephone: 01922 650000 Website: www.walsall.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.

Geology 1:50,000 Maps Legends






Artificial Ground and Landslip








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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GLLDD	Glaciolacustrine Deposits, Devensian	Clay and Silt	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	TILMP	Till, Mid Pleistocene	Diamicton	Not Supplied - Cromerian
	GLLMP	Glaciolacustrine Deposits, Mid Pleistocene	Clay and Silt	Not Supplied - Cromerian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Not Supplied - Cromerian
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary
	PEAT	Peat	Peat	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALY	Alveley Member	Mudstone	Not Supplied - Westphalian
	ALY	Alveley Member	Sandstone	Not Supplied - Westphalian
	EN	Enville Member	Sandstone with Subordinate Conglomerate, Siltstone and Mudstone	Not Supplied - Westphalian
	EN	Enville Member	Sandstone	Not Supplied - Westphalian
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	THIC	Thick Coal (South Staffordshire)	Coal	Not Supplied - Westphalian
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Not Supplied - Westphalian
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	ETM	Etruria Formation	Mudstone, Sandstone and Conglomerate	Not Supplied - Westphalian
	CBRD	Coalbrookdale Formation	Mudstone	Not Supplied - Sheinwoodian
		Rock Segments		
		Faults		



Geology 1:50,000 Maps

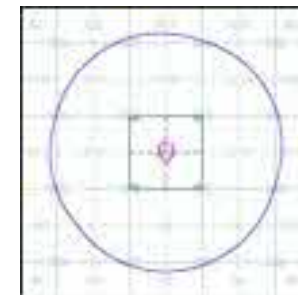
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	168
Map Name:	Birmingham
Map Date:	1996
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



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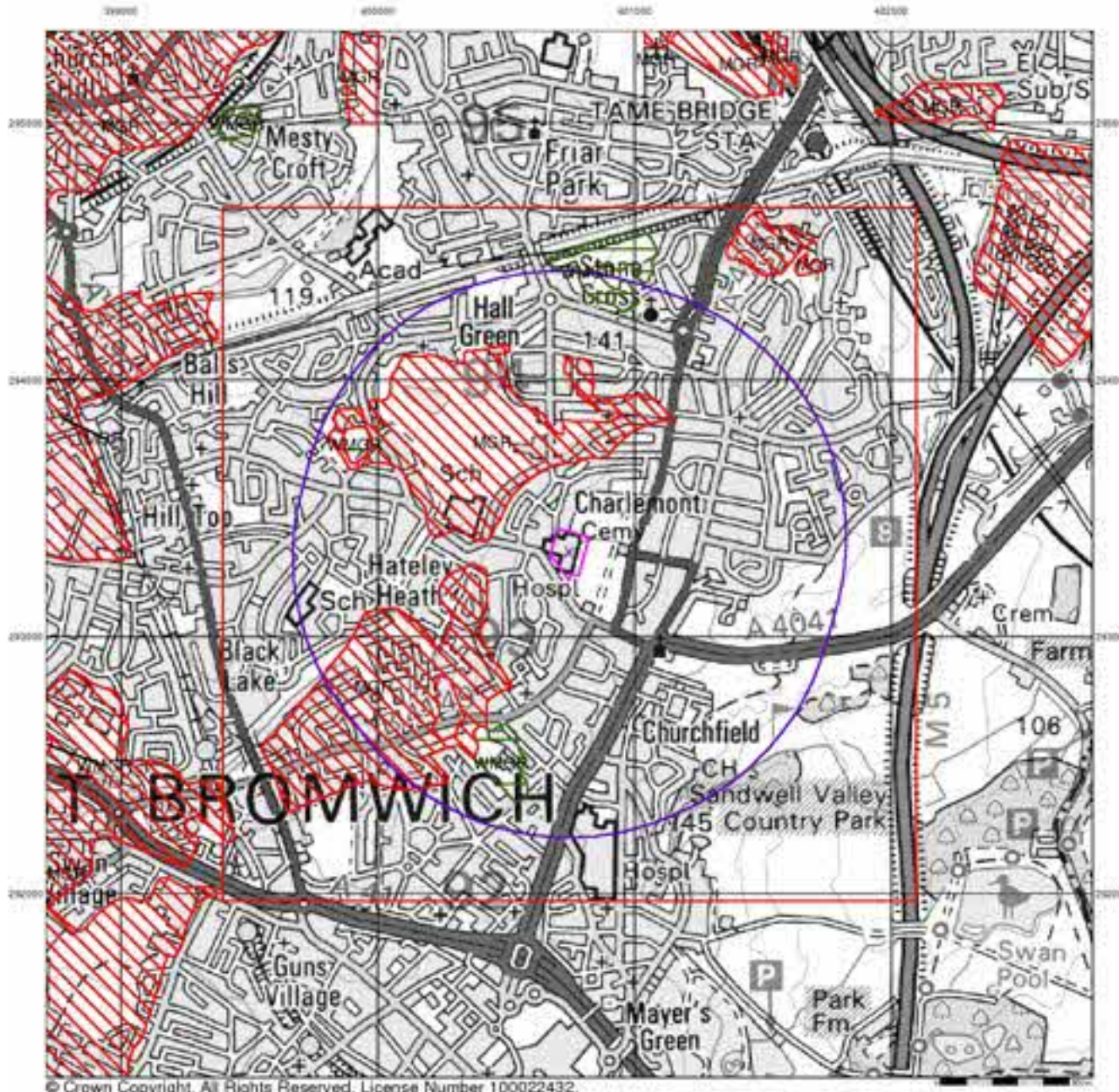
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Customer Reference:	B072904.001
National Grid Reference:	400750, 293330
Site:	A
Site Area (Ha):	1.88
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

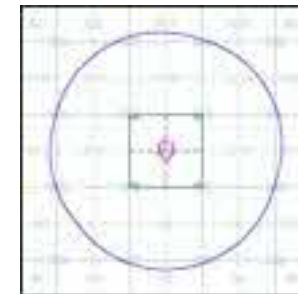
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



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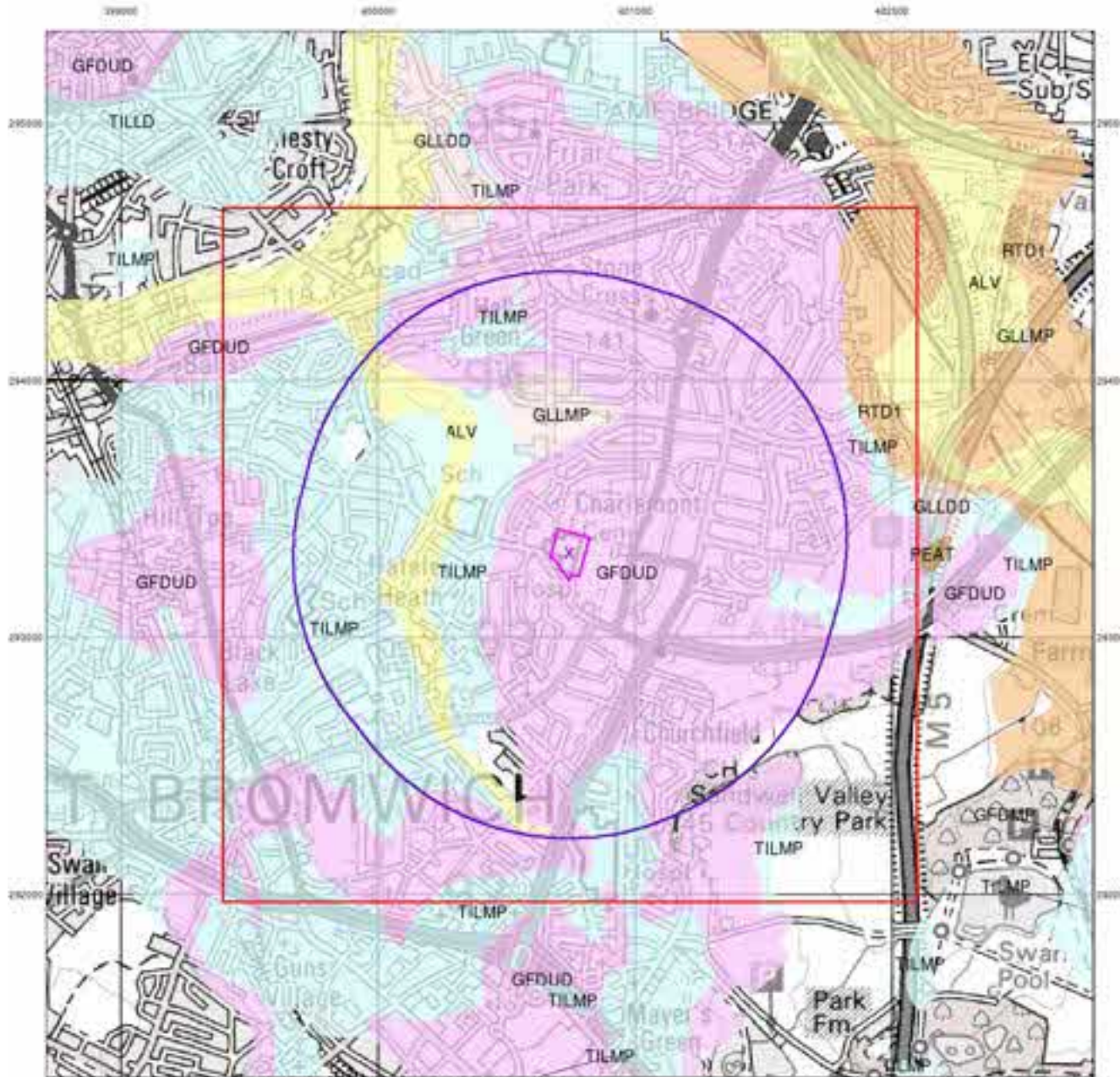
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 Customer Reference: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
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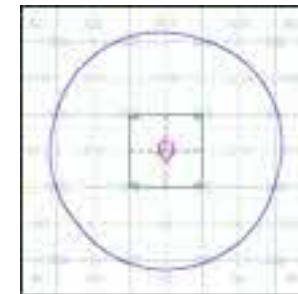
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



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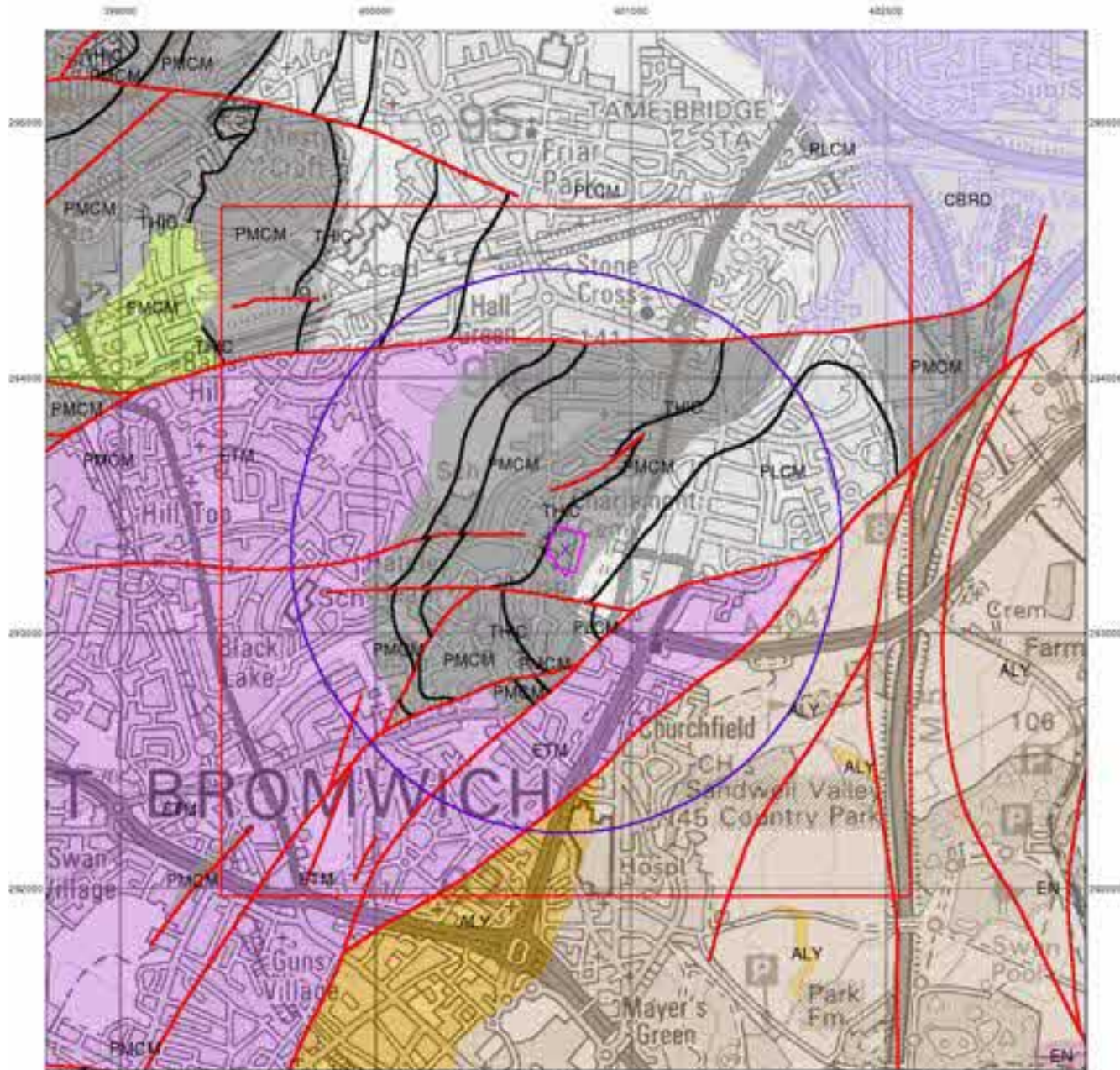
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 National Grid Reference: 400750, 293330
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 Site Area (Ha): 1.88
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Bedrock and Faults

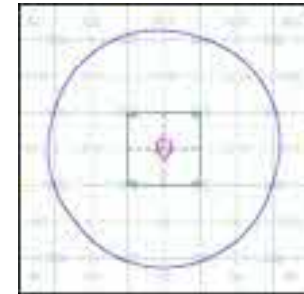
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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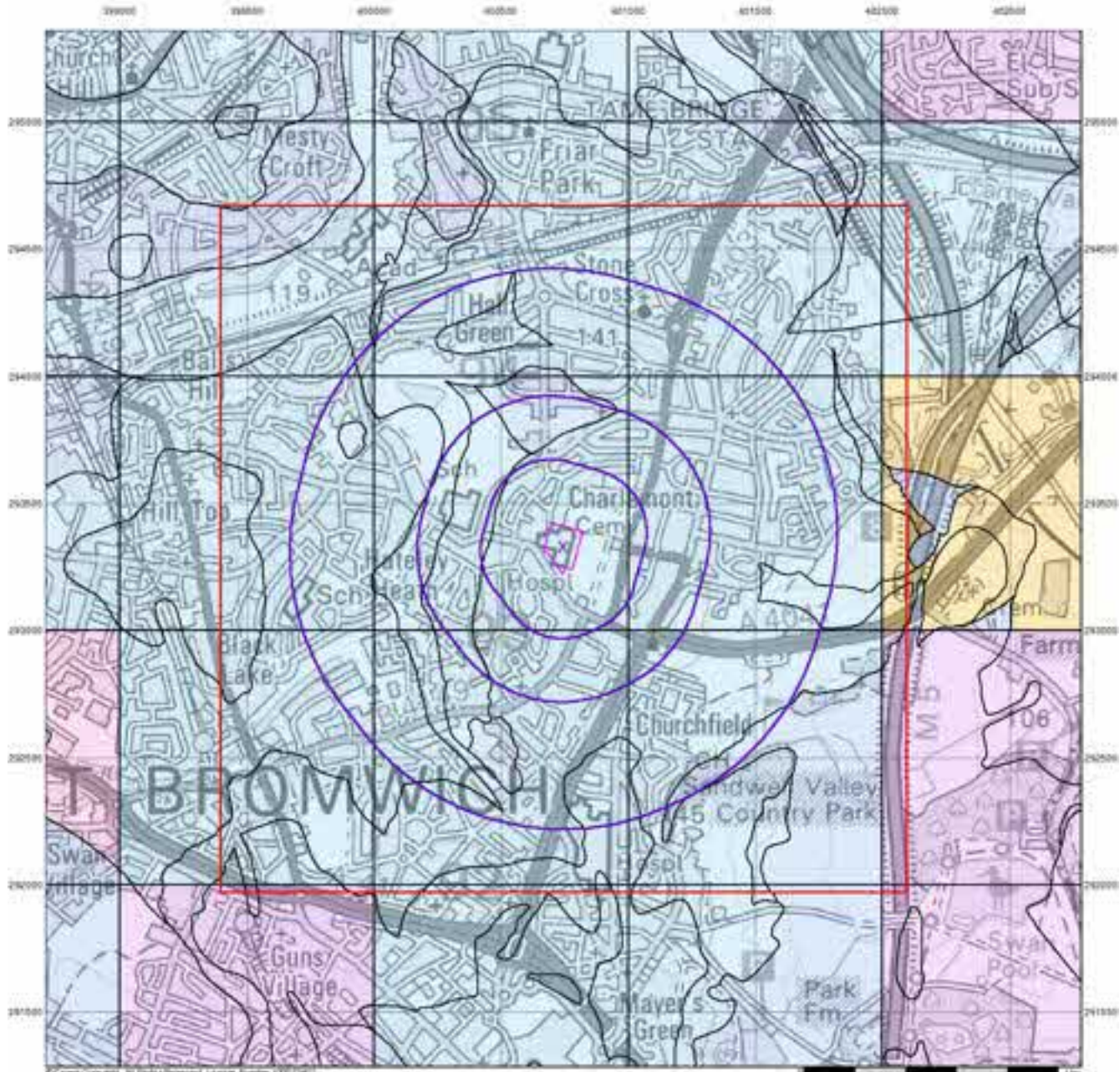
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 Site Area (Ha): 1.88
 Search Buffer (m): 1000

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Groundwater Vulnerability

General

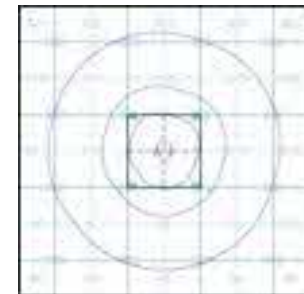
- Sensitive Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A

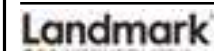


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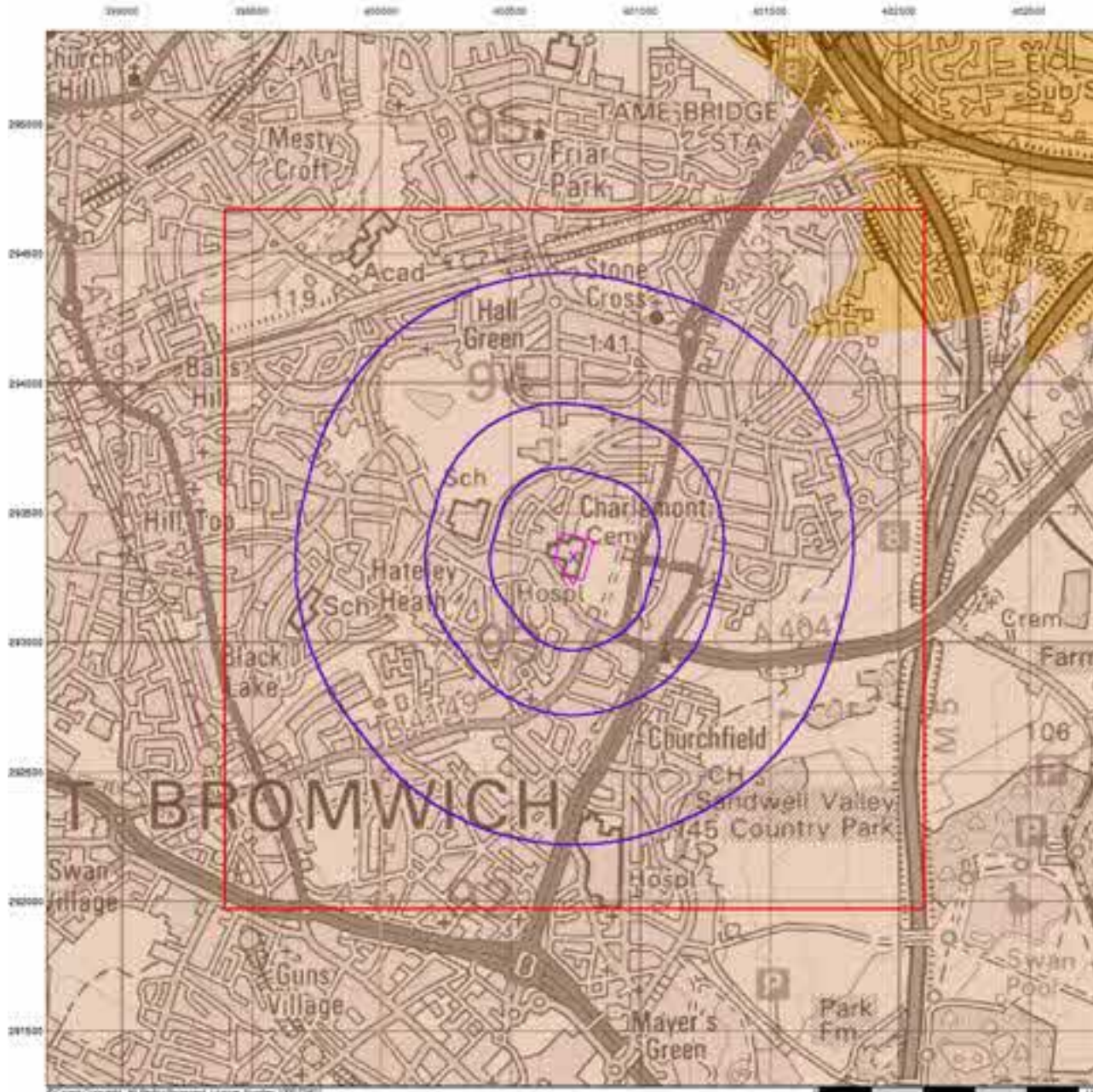
Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

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Bedrock Aquifer Designation

General

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

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

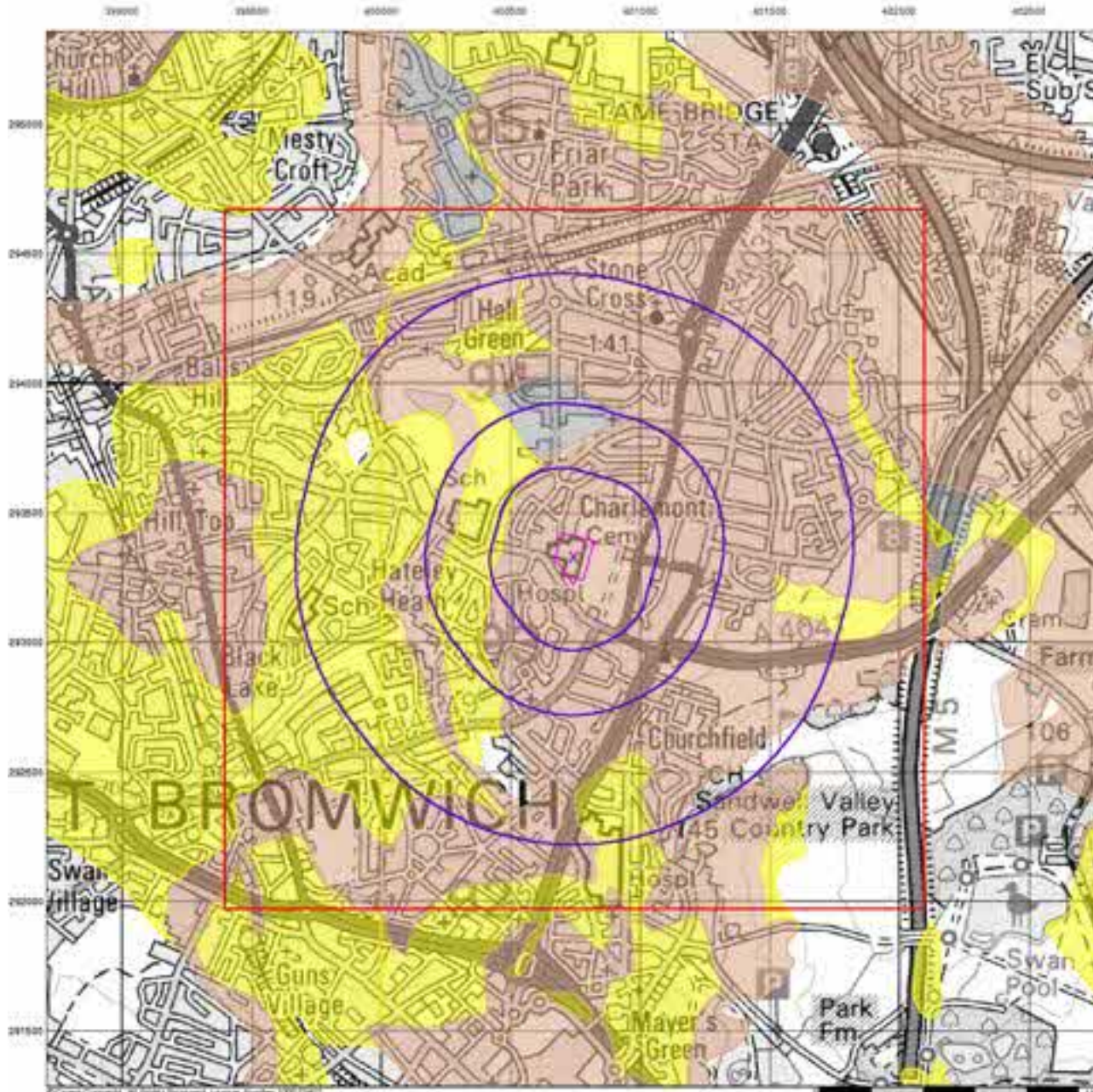
Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

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

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

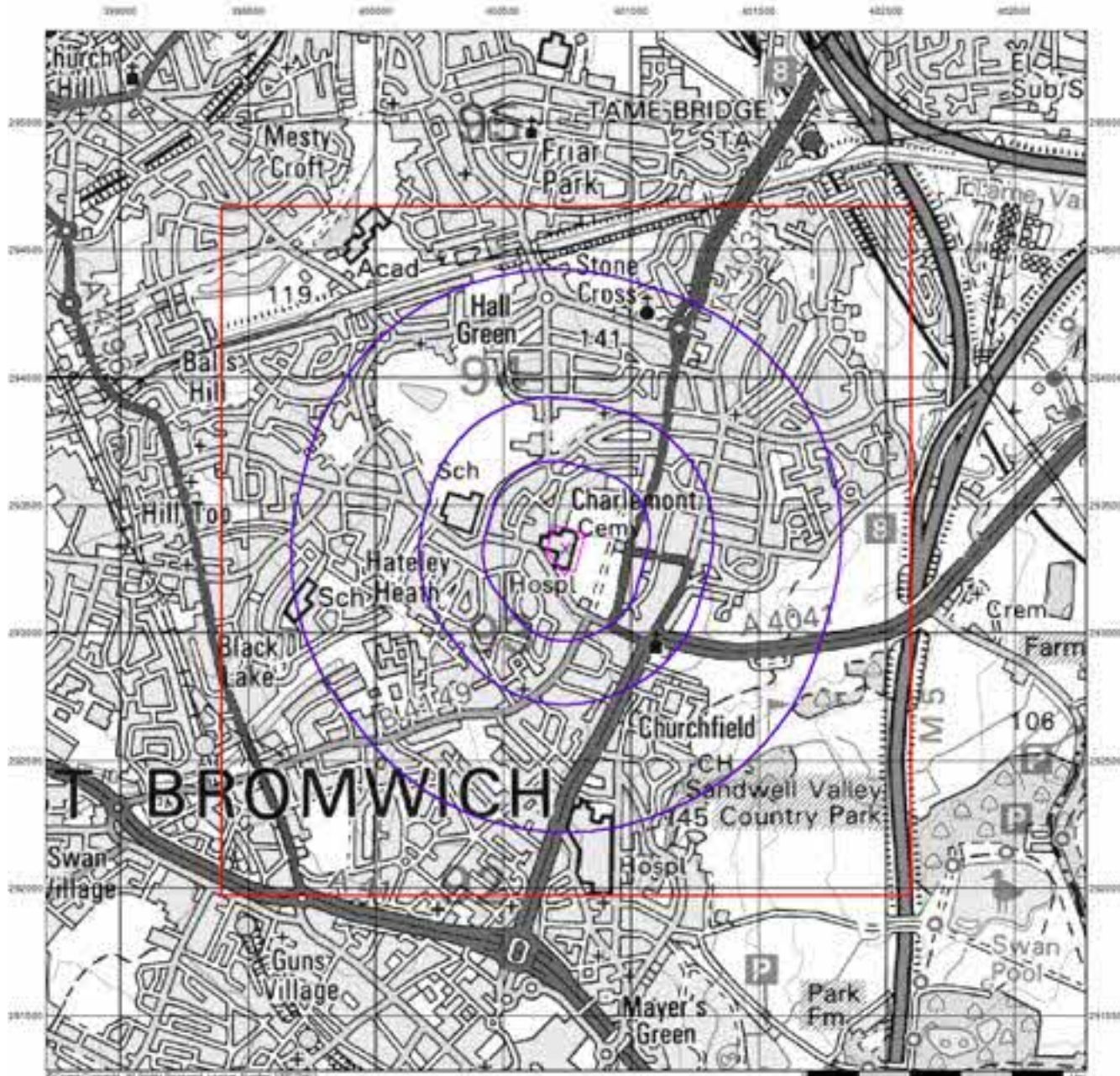
Order Number: 233977425_1_1
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 National Grid Reference: 400750, 293330
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 Site Area (Ha): 1.88
 Search Buffer (m): 1000

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Source Protection Zones

General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

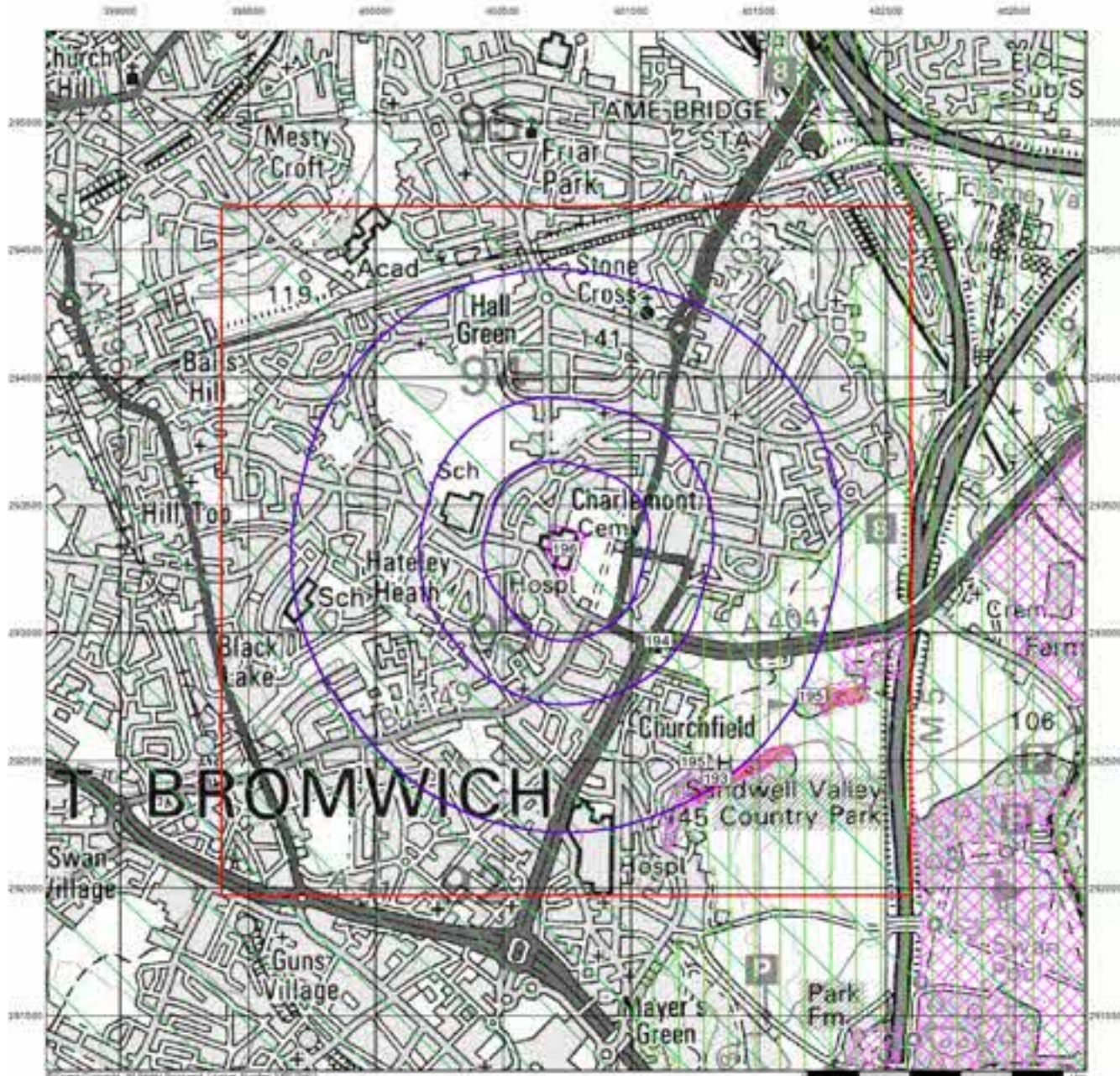
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 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

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Sensitive Land Uses

General

- Specified Site
- Specified Subject
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

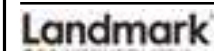


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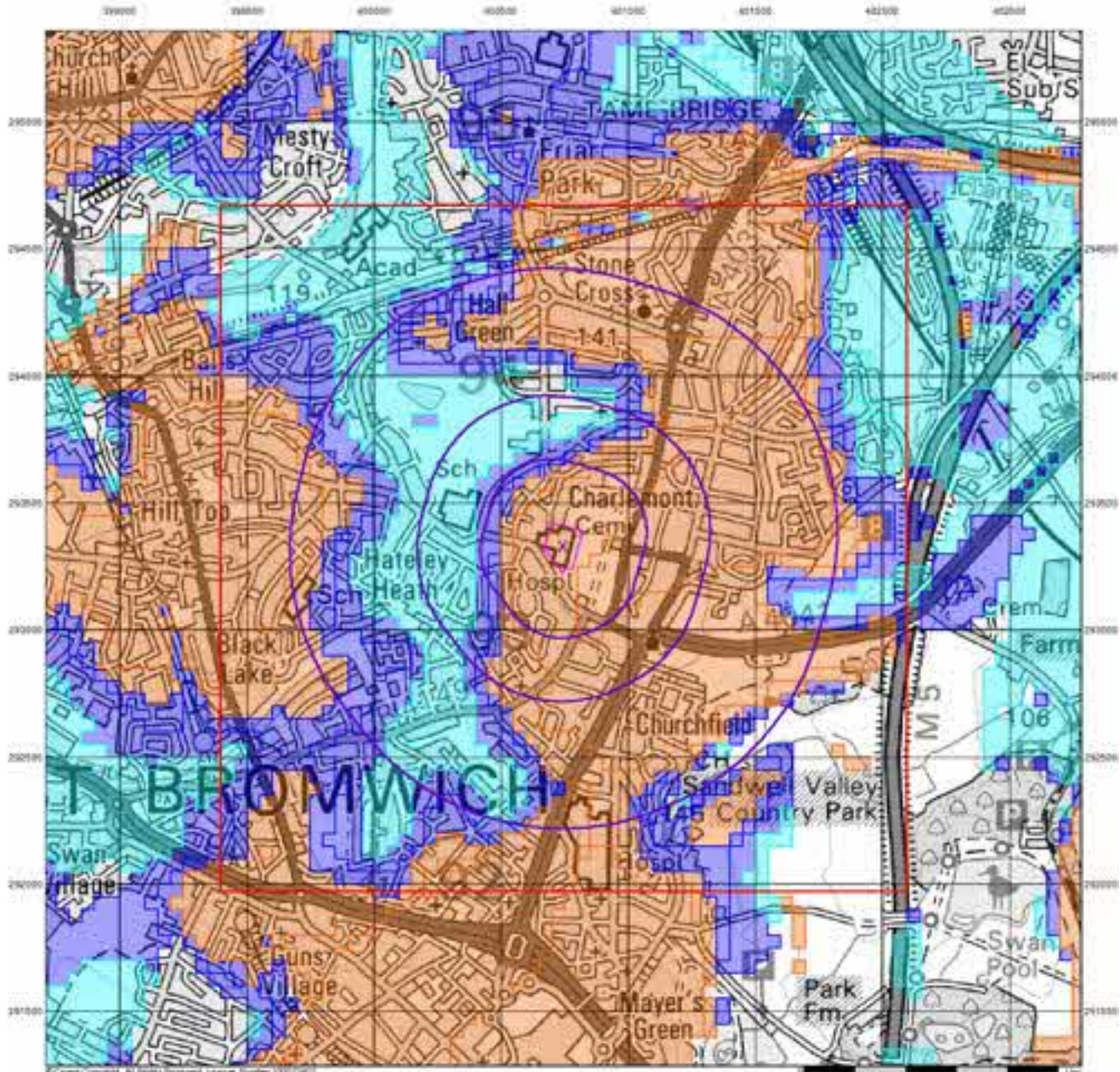
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 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

General

- Specified Site
- Specified Buffer(s)
- Existing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

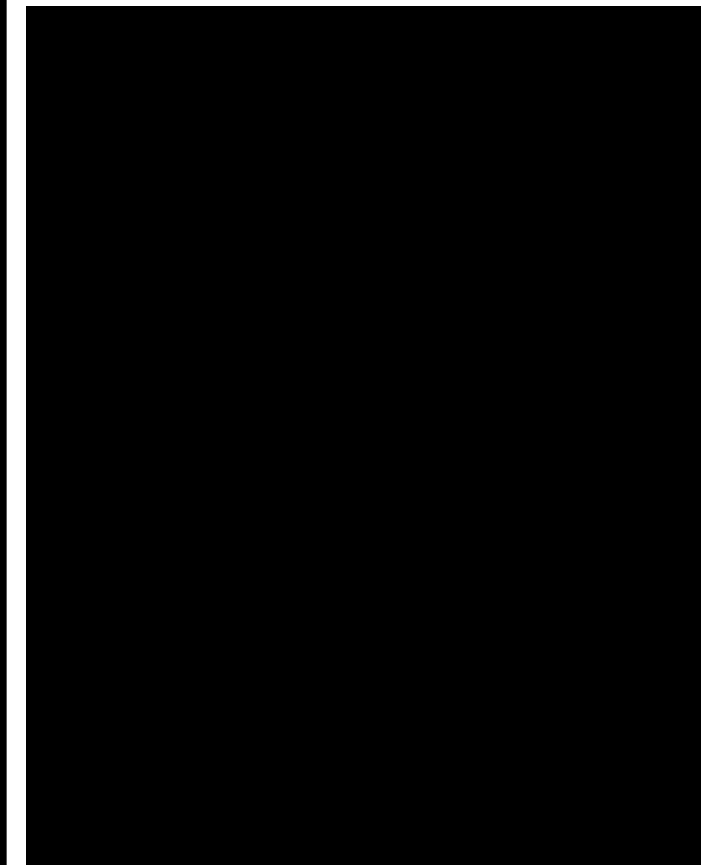
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Site Details

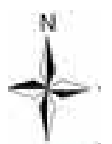
Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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Site Sensitivity Map - Segment A13

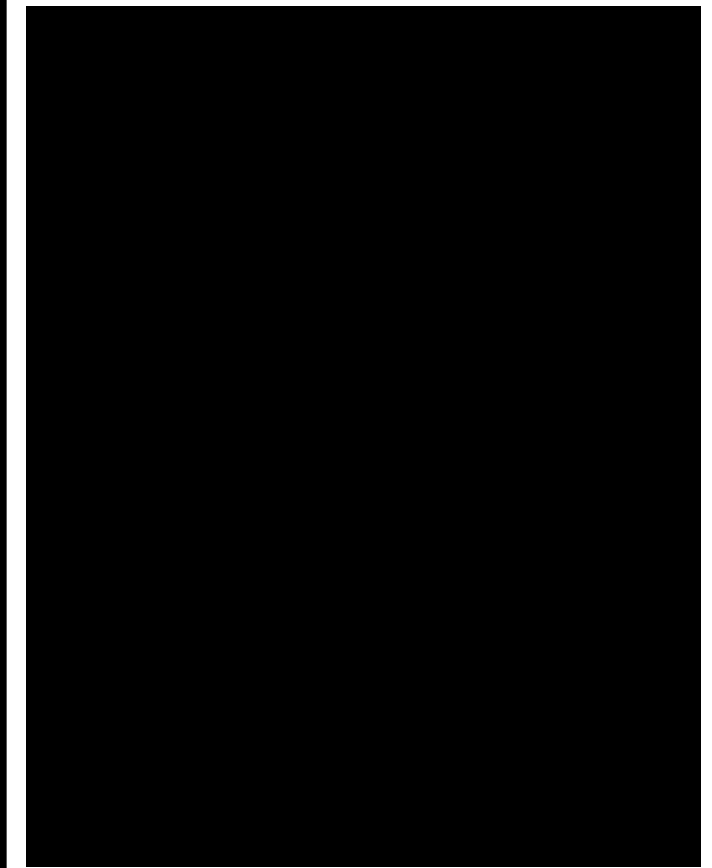


Order Details

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Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Plot Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Site Sensitivity Map - Slice A



Order Details

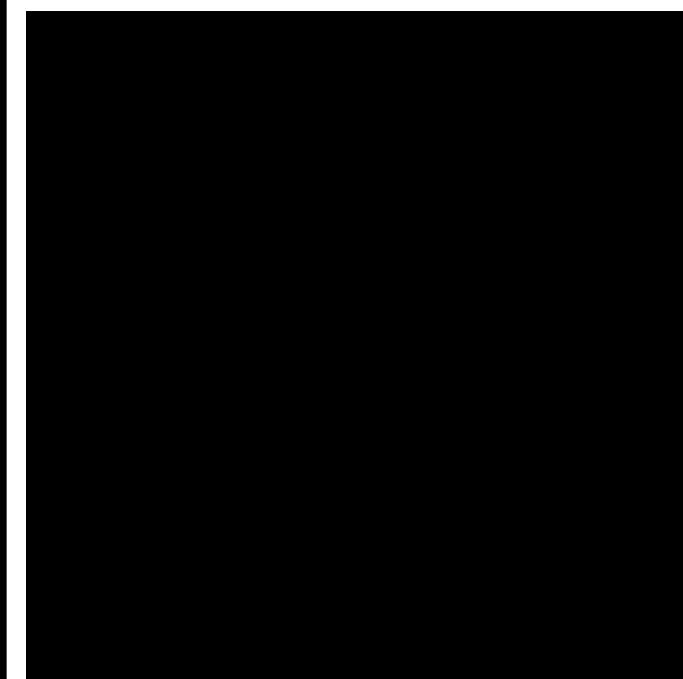
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National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Industrial Land Use Map



Industrial Land Use Map - Slice A



Order Details

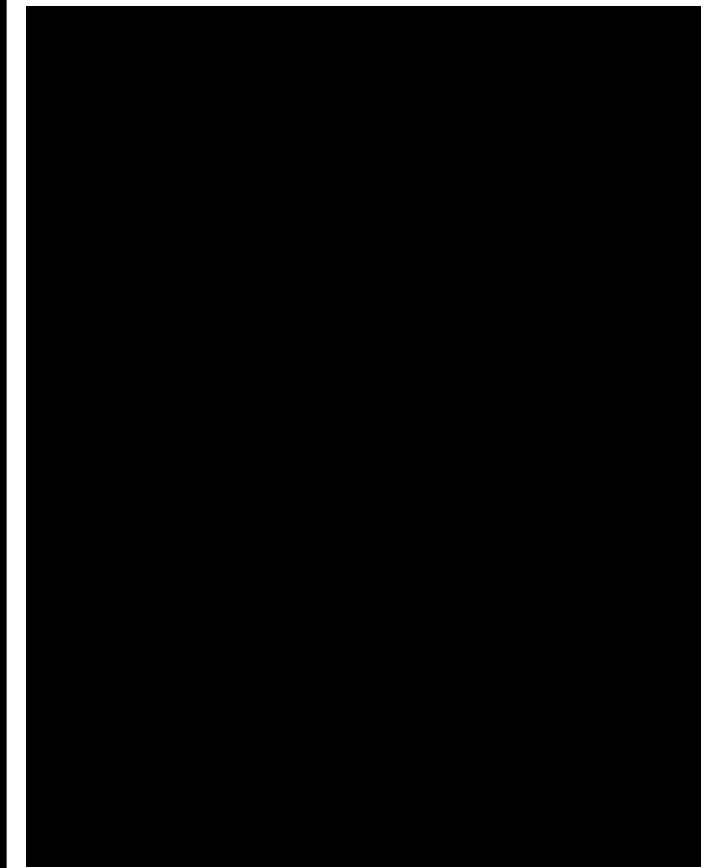
Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

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Flood Map - Slice A



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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

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

Borehole Map - Slice A

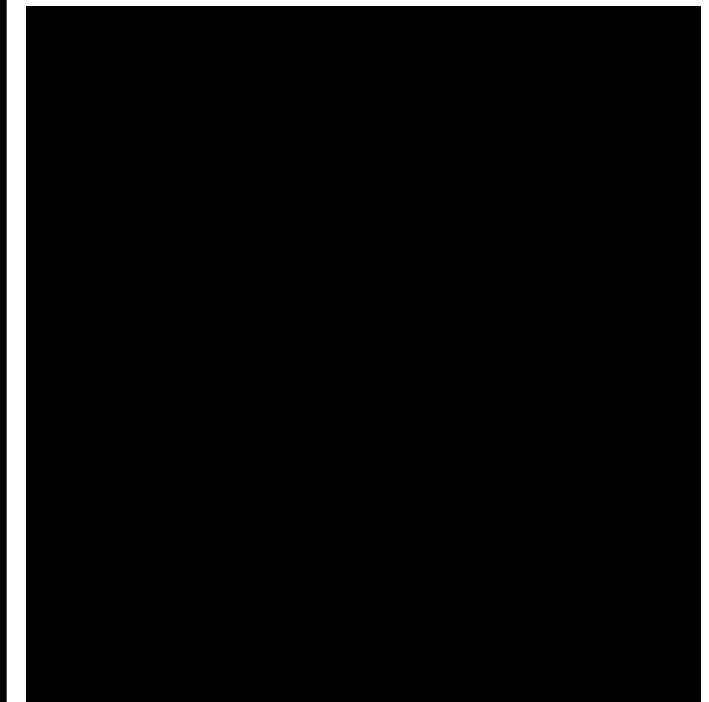


Order Details

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Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

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OS Water Network Map - Slice A

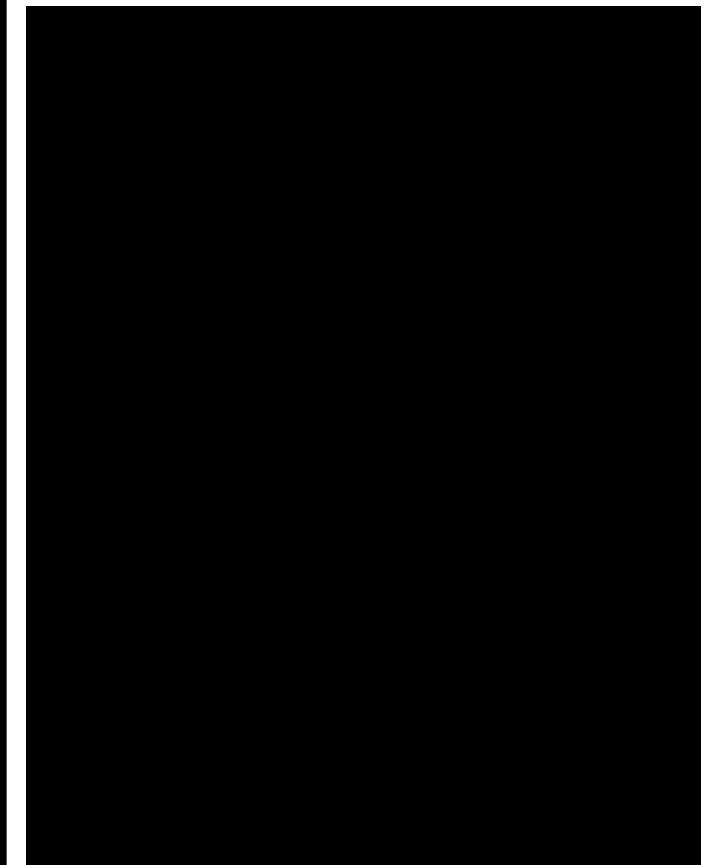


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Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

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EANRW Suitability Map - Slice A

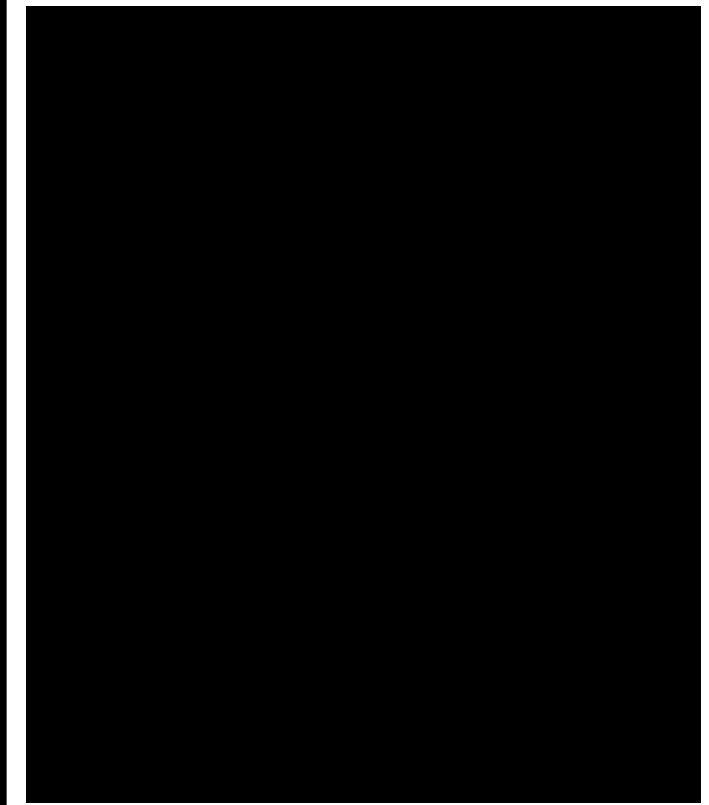


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Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

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Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

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Estimated Soil Chemistry Chromium - Slice A

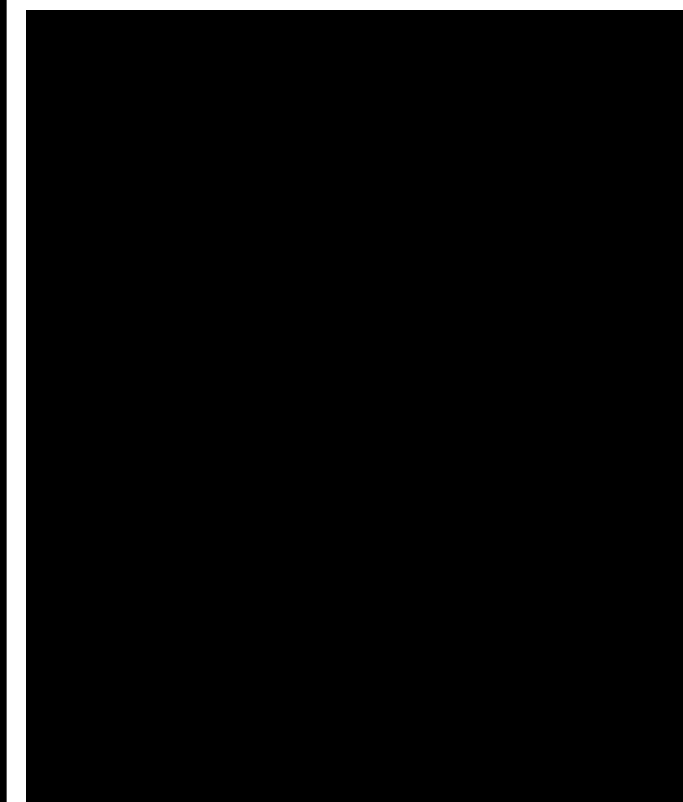


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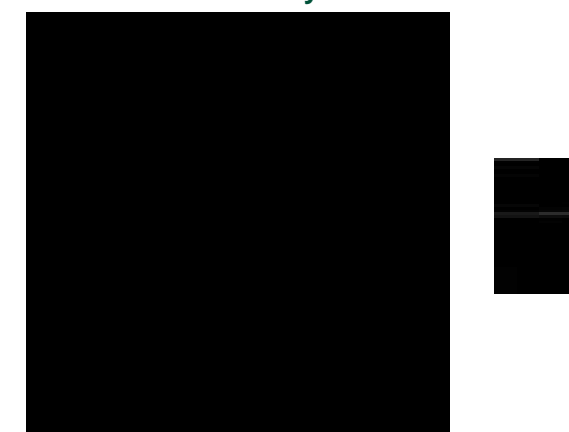
Order Details: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Estimated Soil Chemistry Lead - Slice A

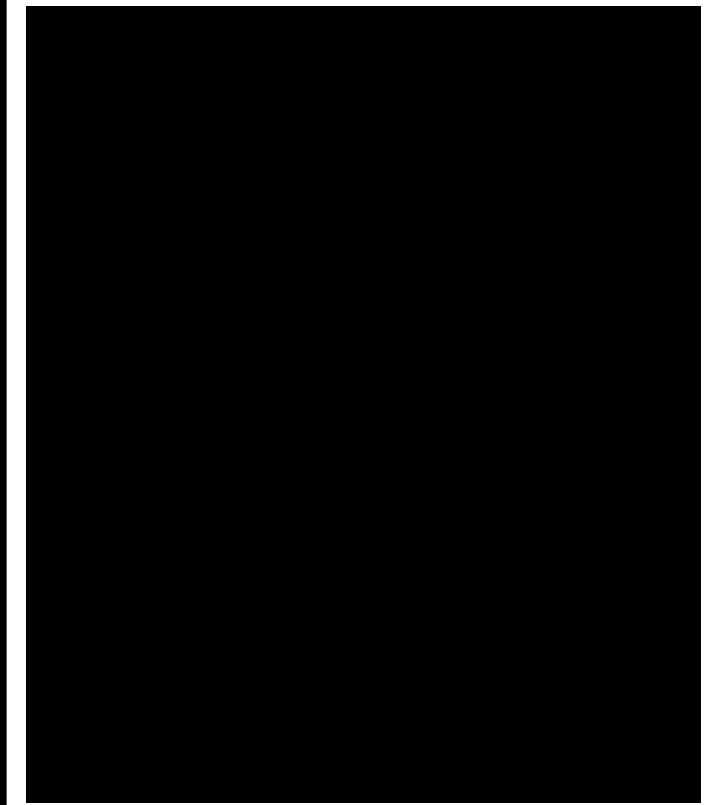


Order Details

Order Details: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

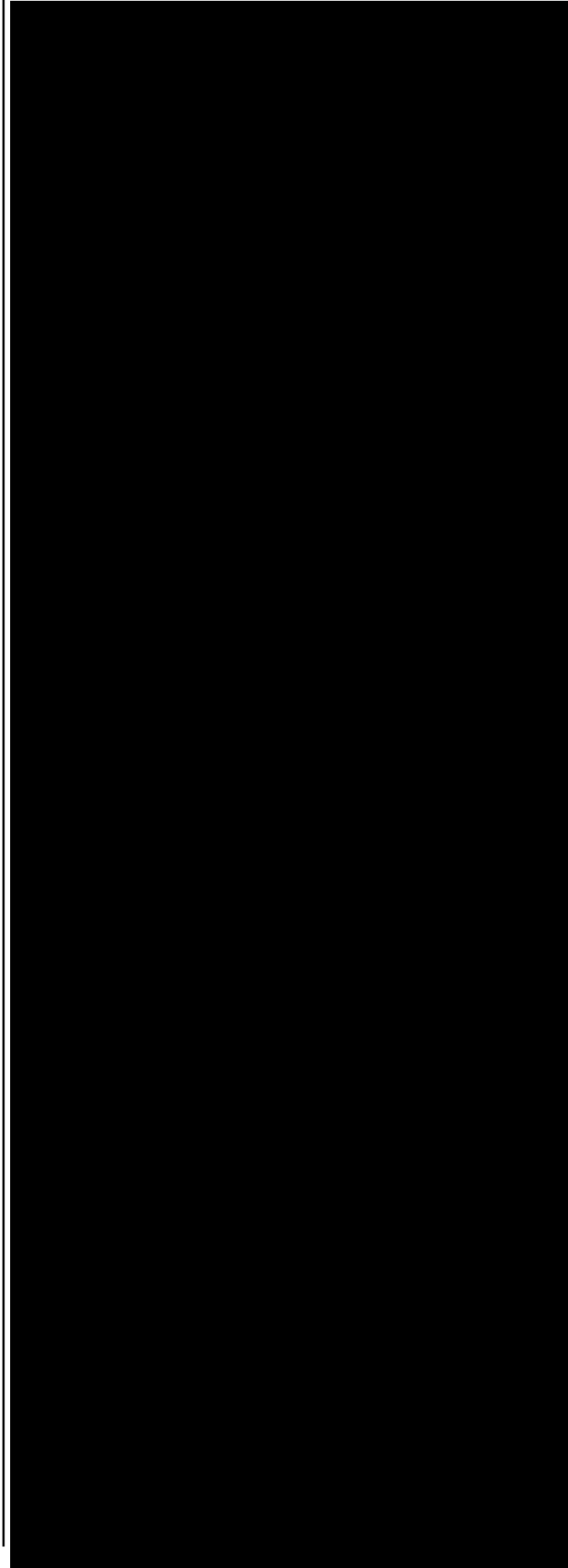
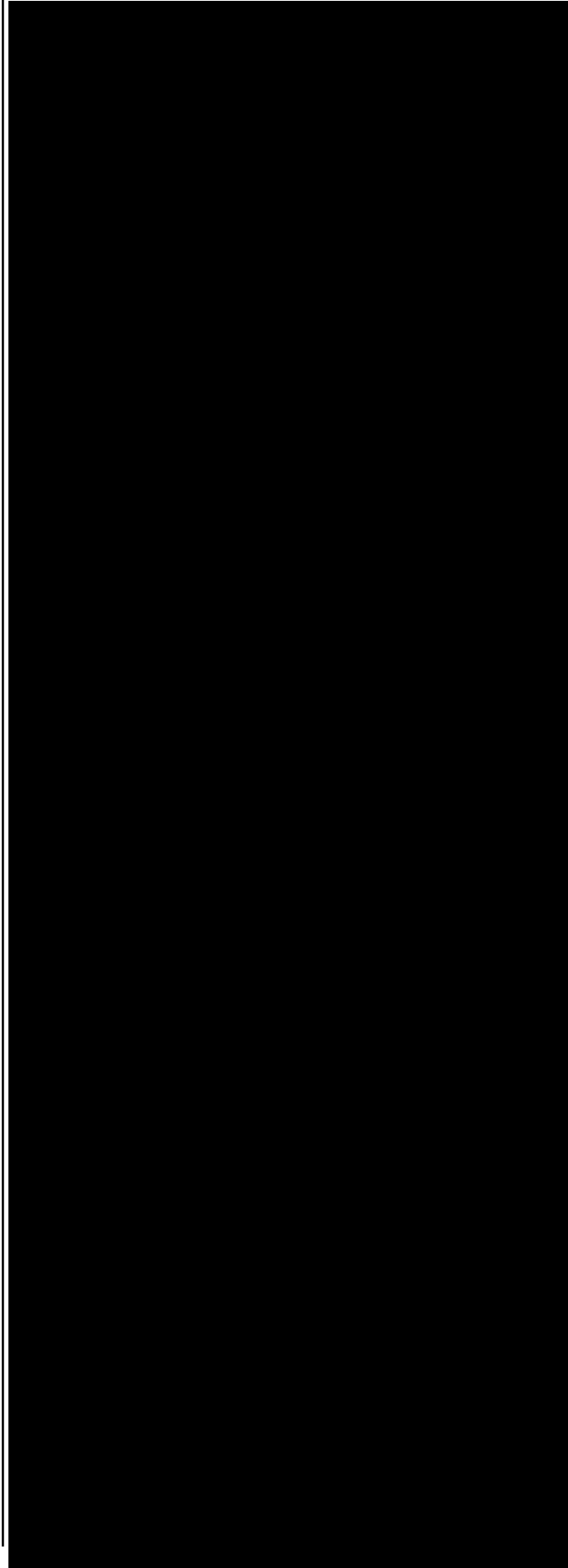
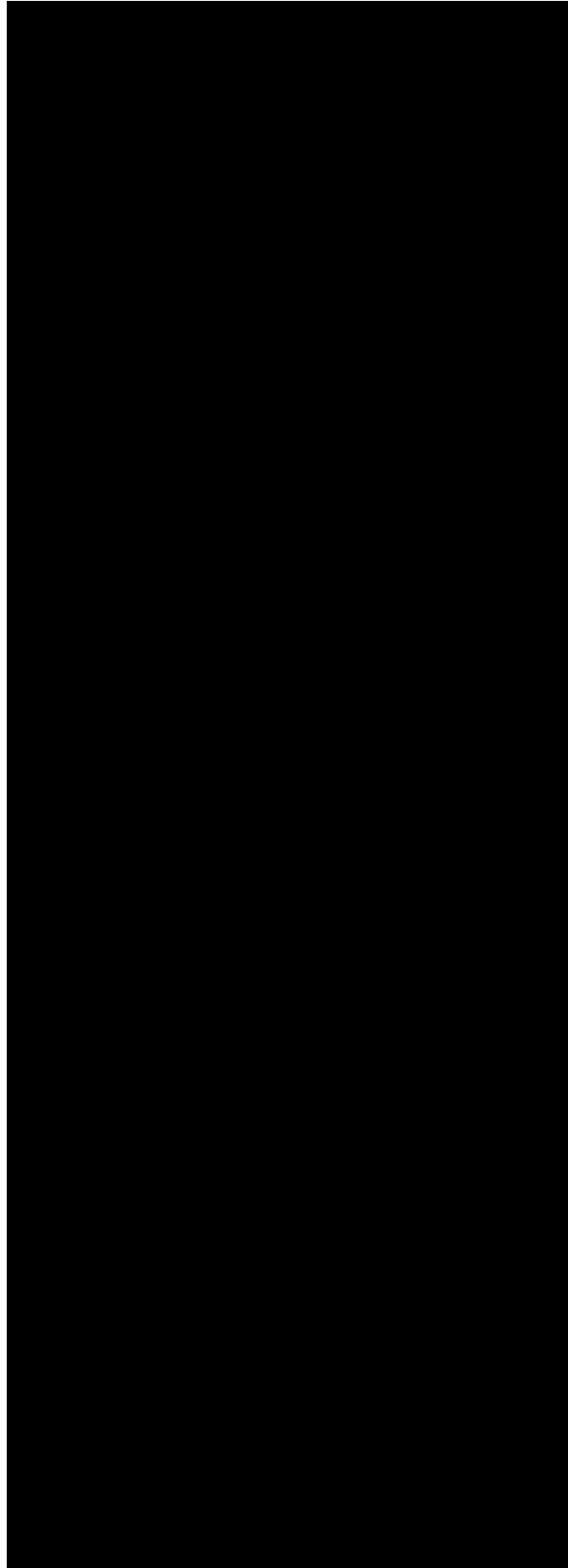
Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW

Historical Mapping Legends

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

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

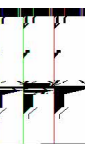
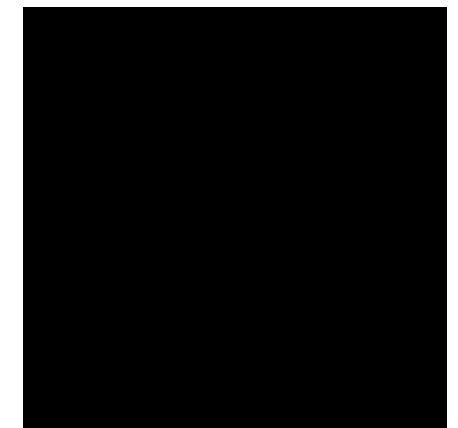
Large-Scale National Grid Data 1:2,500 and
1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Staffordshire	1:2,500	1890	2
Staffordshire	1:2,500	1904	3
Staffordshire	1:2,500	1920	4
Staffordshire	1:2,500	1938	5
Ordnance Survey Plan	1:1,250	1959 - 1960	6
Ordnance Survey Plan	1:2,500	1960	7
Ordnance Survey Plan	1:1,250	1968 - 1985	8
Additional SIMs	1:1,250	1977 - 1989	9
Additional SIMs	1:1,250	1987	10
Large-Scale National Grid Data	1:1,250	1992	11
Historical Aerial Photography	1:2,500	1999	12

Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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



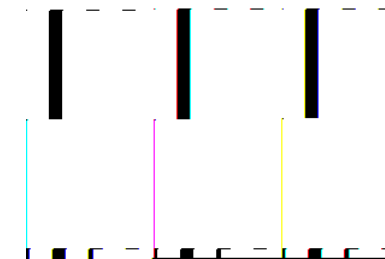
Staffordshire

Published 1890

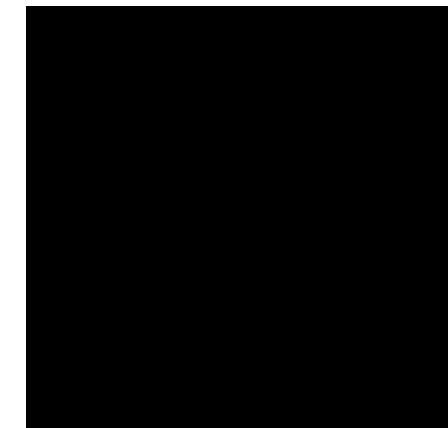
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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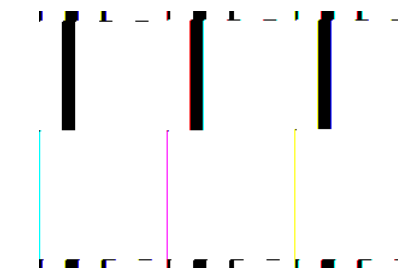
Staffordshire

Published 1904

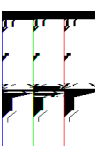
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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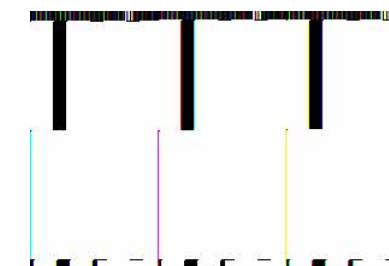
Staffordshire

Published 1920

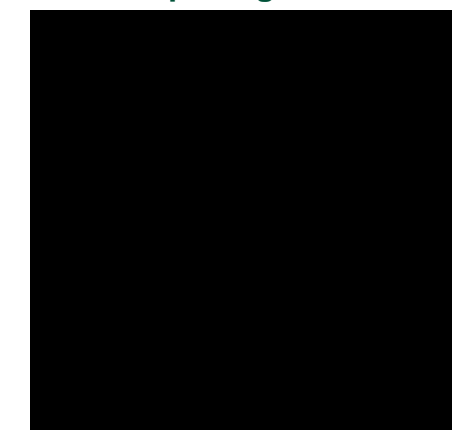
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Tel: 0844 844 9952
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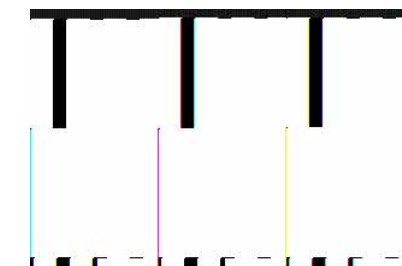
Staffordshire

Published 1938

Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

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



Ordnance Survey Plan

Published 1959 - 1960

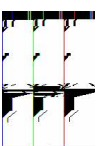
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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



Ordnance Survey Plan

Published 1960

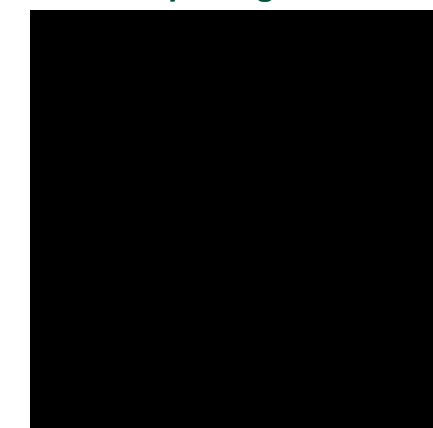
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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



Ordnance Survey Plan

Published 1968 - 1985

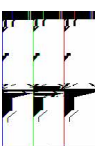
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

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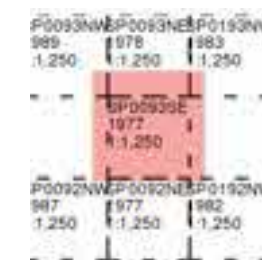
Additional SIMs

Published 1977 - 1989

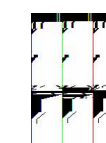
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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



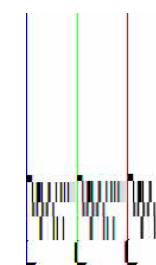
Additional SIMs

Published 1987

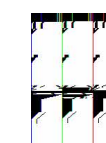
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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



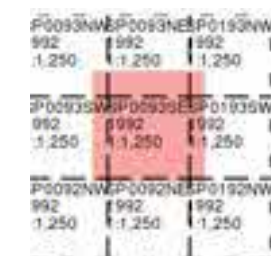
Large-Scale National Grid Data

Published 1992

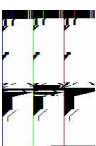
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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

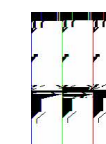


Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



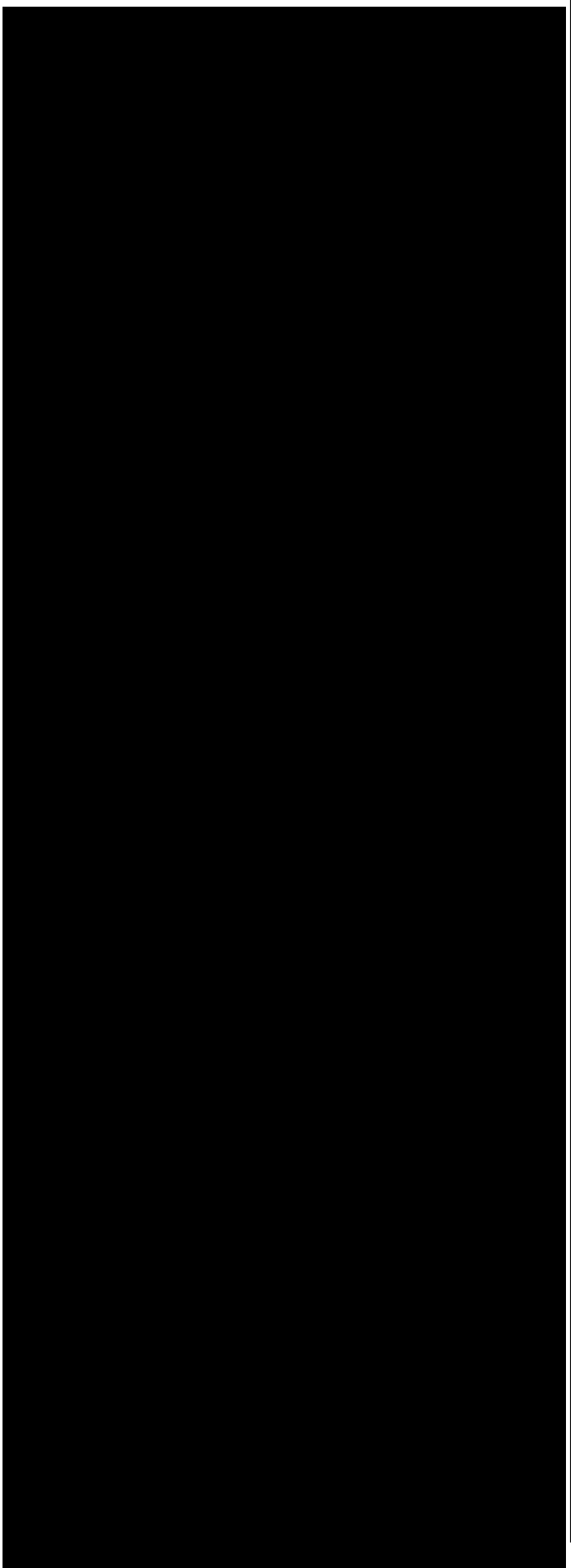
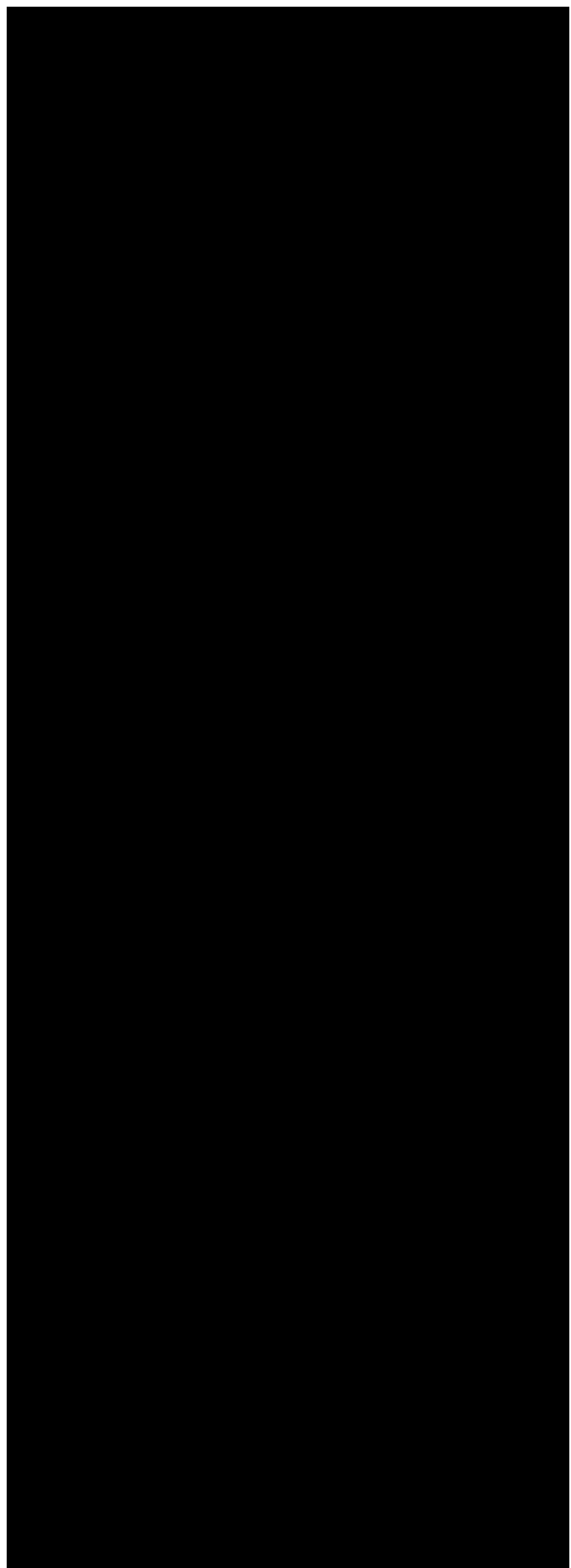
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Ordnance Survey Plan 1:10,000

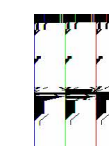
1:10,000 Raster Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Staffordshire	1:10,560	1886 - 1889	3
Worcestershire	1:10,560	1889	4
Staffordshire	1:10,560	1904	5
Staffordshire	1:10,560	1921	6
Staffordshire	1:10,560	1921	7
Staffordshire	1:10,560	1938	8
Staffordshire	1:10,560	1938	9
Historical Aerial Photography	1:10,560	1948	10
Ordnance Survey Plan	1:10,000	1955	11
Ordnance Survey Plan	1:10,000	1967	12
Ordnance Survey Plan	1:10,000	1970	13
Birmingham	1:25,000	1977	14
Ordnance Survey Plan	1:10,000	1980	15
Ordnance Survey Plan	1:10,000	1987	16
Ordnance Survey Plan	1:10,000	1990	17
Ordnance Survey Plan	1:10,000	1992	18
10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2020	21

Historical Map - Slice A



Order Details

Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



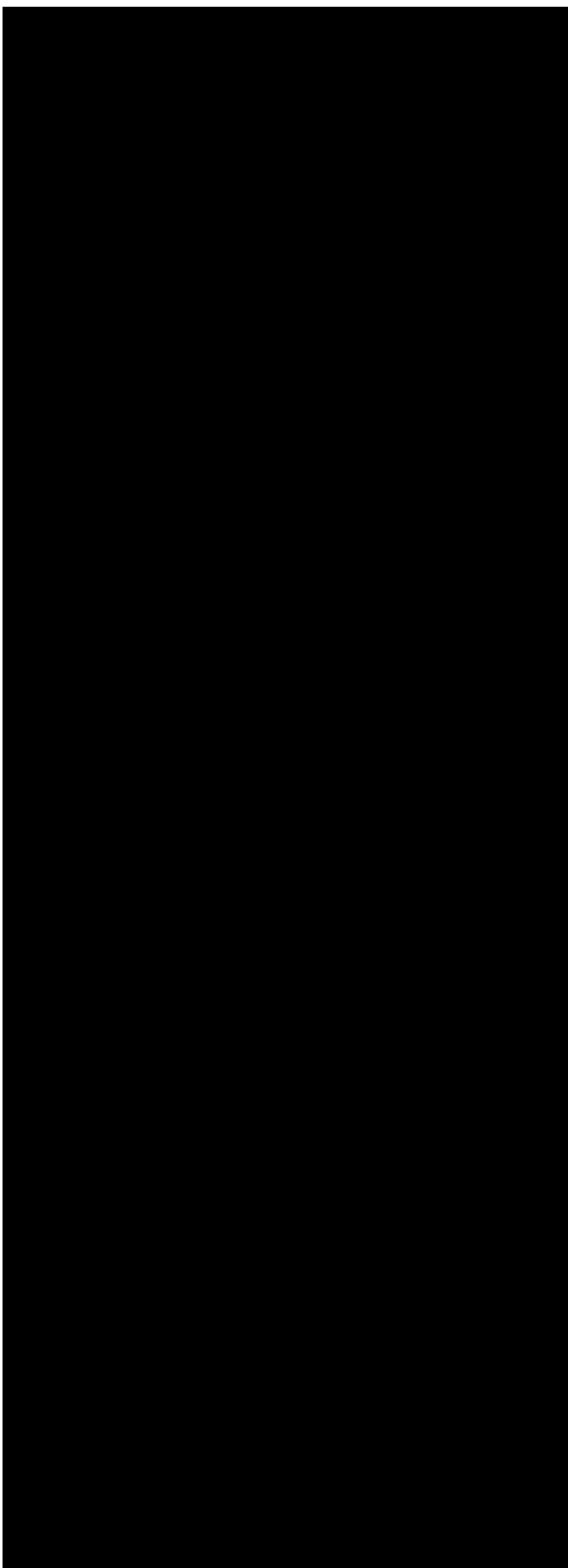
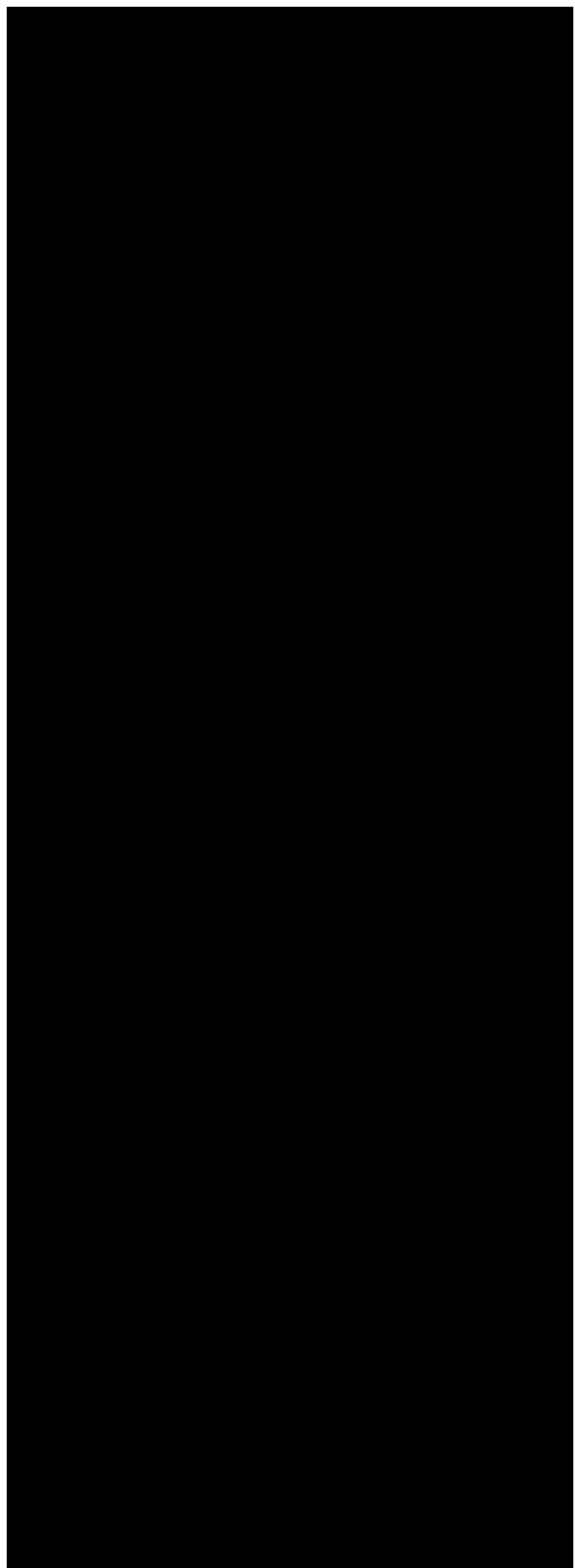
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

1:25,000 mapping

Key to Numbers on Mapping



SP09_Birmingham

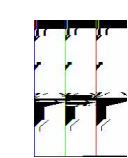
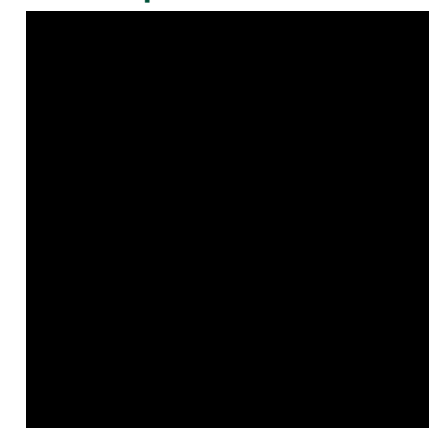
No.	Description
6	Factories (Chemicals And Steel Pipe)



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Staffordshire	1:10,560	1886 - 1889	3
Worcestershire	1:10,560	1889	4
Staffordshire	1:10,560	1904	5
Staffordshire	1:10,560	1921	6
Staffordshire	1:10,560	1921	7
Staffordshire	1:10,560	1938	8
Staffordshire	1:10,560	1938	9
Historical Aerial Photography	1:10,560	1948	10
Ordnance Survey Plan	1:10,000	1955	11
Ordnance Survey Plan	1:10,000	1967	12
Ordnance Survey Plan	1:10,000	1970	13
Birmingham	1:25,000	1977	14
Ordnance Survey Plan	1:10,000	1980	15
Ordnance Survey Plan	1:10,000	1987	16
Ordnance Survey Plan	1:10,000	1990	17
Ordnance Survey Plan	1:10,000	1992	18
10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2020	21

Russian Map - Slice A



Order Details

Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Tel: 0844 844 9952
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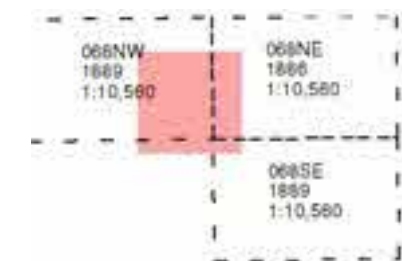
Staffordshire

Published 1886 - 1889

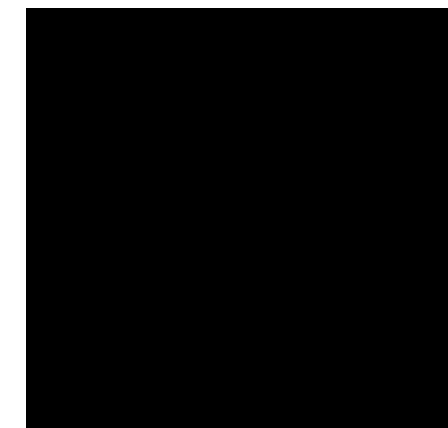
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



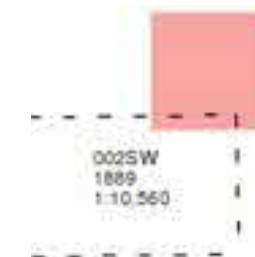
Worcestershire

Published 1889

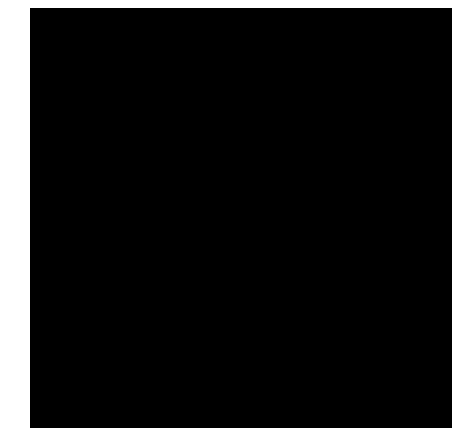
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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

Staffordshire

Published 1904

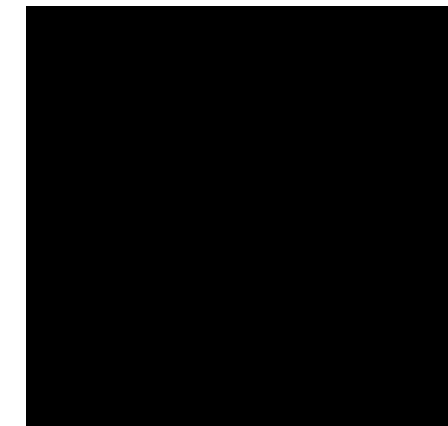
Source map scale - 1:10,560

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

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Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW

Staffordshire

Published 1921

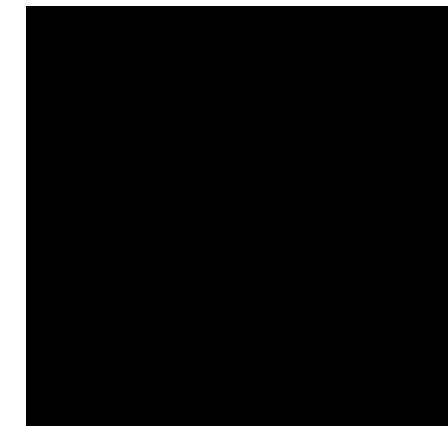
Source map scale - 1:10,560

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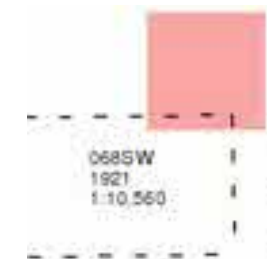
Staffordshire

Published 1921

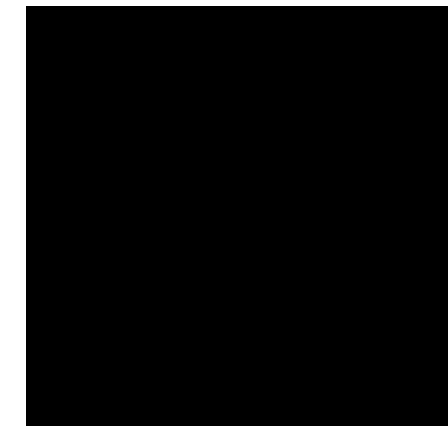
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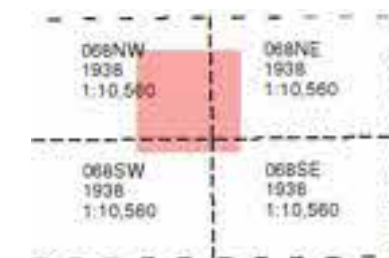
Staffordshire

Published 1938

Source map scale - 1:10,560

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

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Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW

Staffordshire

Published 1938

Source map scale - 1:10,560

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Site Area (Ha): 1.88
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Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Historical Aerial Photography

Published 1948

Source map scale - 1:10,560

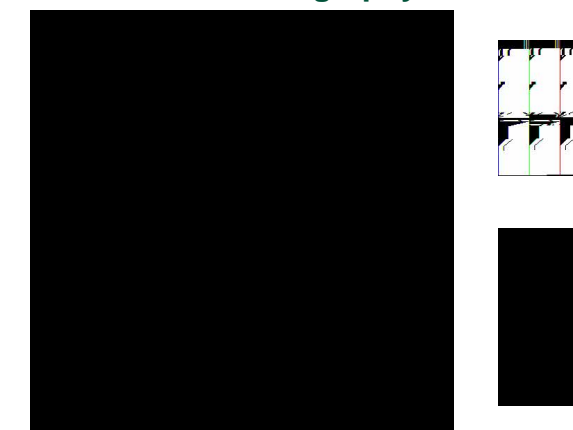
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
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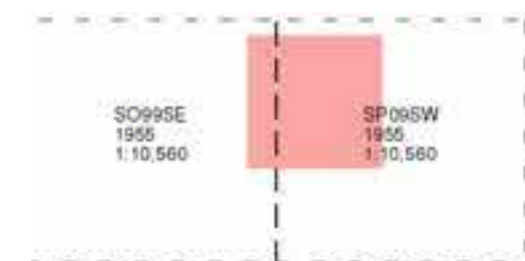
Ordnance Survey Plan

Published 1955

Source map scale - 1:10,000

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Historical Map - Slice A



Order Details

Order Number: 233977425_1_1
Customer Ref: B072904.001
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Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW

Ordnance Survey Plan

Published 1967

Source map scale - 1:10,000

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Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



Ordnance Survey Plan

Published 1970

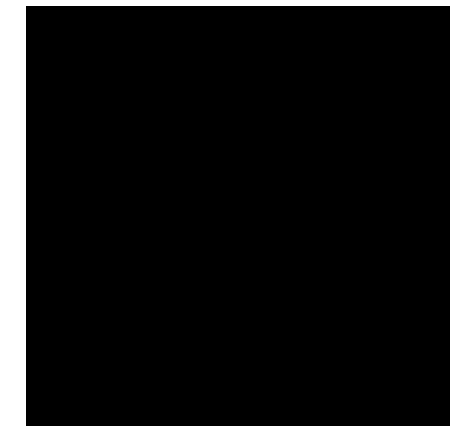
Source map scale - 1:10,000

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

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Birmingham

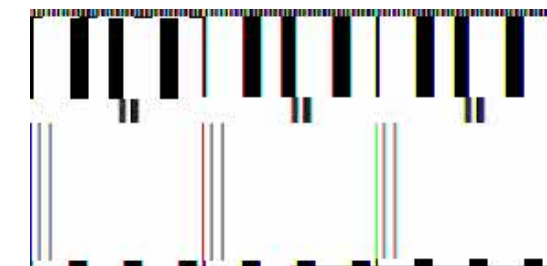
Published 1977

Source map scale - 1:25,000

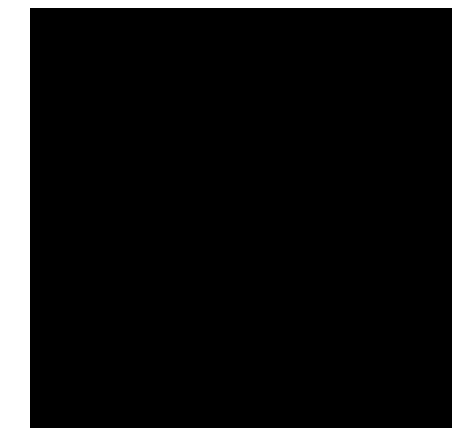
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

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Customer Ref: B072904.001
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Slice: A
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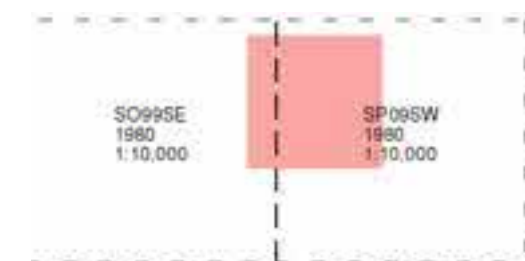
Ordnance Survey Plan

Published 1980

Source map scale - 1:10,000

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Historical Map - Slice A



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Order Number: 233977425_1_1
Customer Ref: B072904.001
National Grid Reference: 400750, 293330
Slice: A
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Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



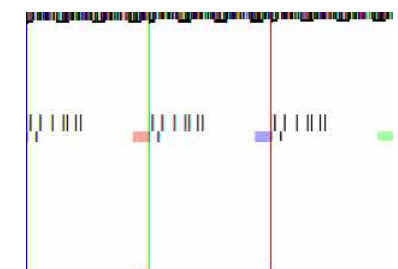
Ordnance Survey Plan

Published 1987

Source map scale - 1:10,000

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

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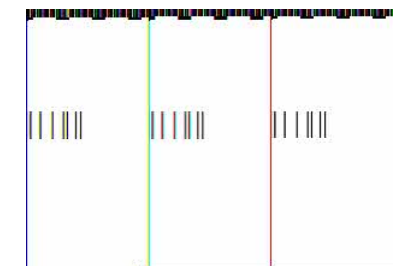
Ordnance Survey Plan

Published 1990

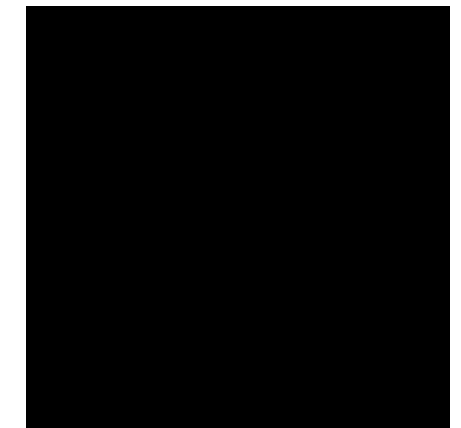
Source map scale - 1:10,000

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

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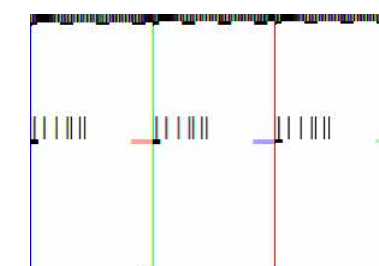
Ordnance Survey Plan

Published 1992

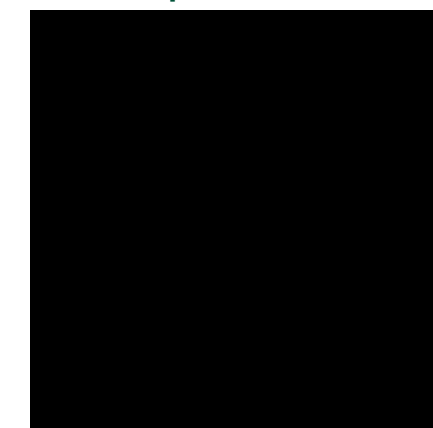
Source map scale - 1:10,000

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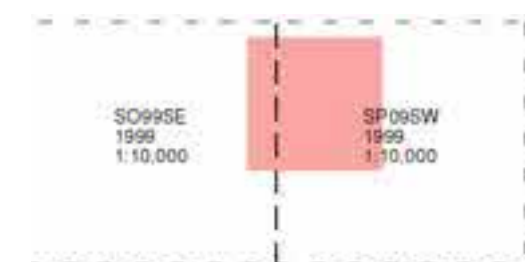
10k Raster Mapping

Published 1999

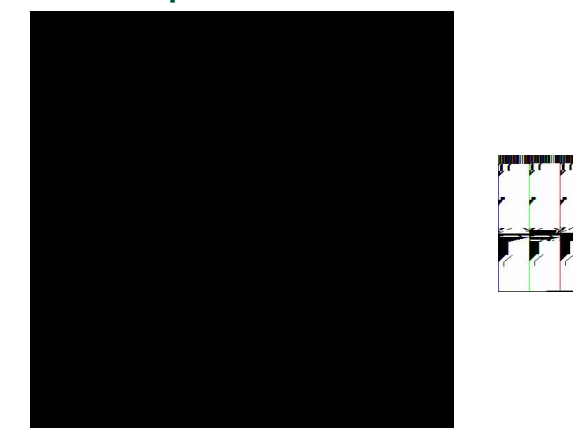
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 233977425_1_1
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Slice: A
Site Area (Ha): 1.88
Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW

10k Raster Mapping

Published 2006

Source map scale - 1:10,000

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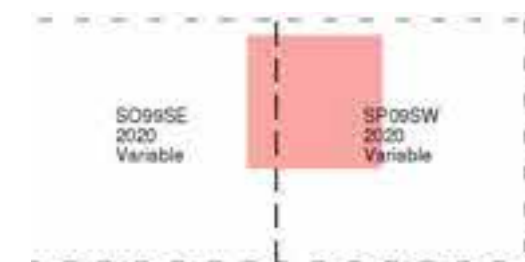
VectorMap Local

Published 2020

Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Web: www.envirocheck.co.uk



Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

233977425_1_1

Customer Reference:

B072904.001

National Grid Reference:

400750, 293330

Slice:

A

Site Area (Ha):

1.88

Search Buffer (m):

1000

Site Details:

Heath Lane Hospital

Heath Lane

West Bromwich

B71 2BW

Client Details:

Mr R Swinnerton

Curtins Consulting Ltd

2 The Wharf

Bridge Street

Birmingham

B1 2JS

Report Section and Details	Page Number
Summary	-
<p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>	
Mining and Natural Cavities Data	1
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.</p> <p>Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.</p>	
Historical Land Use Information (1:2,500)	15
<p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p>	
Historical Land Use Information (1:10,000)	17
<p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>	
Ground Stability Data (1:50,000)	20
<p>The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.</p>	
Historical Map List	21
<p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>	
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The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		2	3	13
Coal Mining Affected Areas	pg 4	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 4	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 4	Yes		n/a	n/a
Potential Mining Areas	pg 4	14	30	2	48
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 15		8	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 15	1	4	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 16	1	4	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)	pg 16	1		n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 16	1		n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts	pg 17				1
Disturbed Ground					
General Quarrying					
Heap, unknown constituents	pg 17			1	1
Mineral Railway	pg 17				3
Mining & quarrying general	pg 17				1
Mining of coal & lignite	pg 17		3	2	7
Quarrying of sand & clay, operation of sand & gravel pits	pg 17		2	2	1
Former Marshes	pg 18				1
Potentially Infilled Land (Non-Water)	pg 18		5	2	7
Potentially Infilled Land (Water)	pg 18			1	18
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Salt Mining Related Features					



Summary

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Marsh Lane Location: Hall Green, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66070 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	62	1	400656 293468
2	BGS Recorded Mineral Sites Site Name: Marsh Lane Location: Hall Green, West Bromwich, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 66009 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	245	1	400753 293662
3	BGS Recorded Mineral Sites Site Name: Hall End Gravel Pit Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25273 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	353	1	400460 293010
4	BGS Recorded Mineral Sites Site Name: Hall End Gravel Pits Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25272 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	419	1	400485 292890
5	BGS Recorded Mineral Sites Site Name: Hall End Colliery Location: Hall End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66065 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	433	1	400286 293115
6	BGS Recorded Mineral Sites Site Name: Millpool Colliery Location: Hatley Heath, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66066 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	510	1	400304 293745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	BGS Recorded Mineral Sites Site Name: Stone Cross Colliery Location: Hall Green, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66019 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	552	1	401071 293879
8	BGS Recorded Mineral Sites Site Name: Wisley Pit Location: Hall Green, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66069 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	589	1	400807 294002
9	BGS Recorded Mineral Sites Site Name: Hall End Clay Pit Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25271 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	646	1	400280 292770
10	BGS Recorded Mineral Sites Site Name: Shrubbery Brick Works Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25270 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SW (SW)	670	1	400435 292625
11	BGS Recorded Mineral Sites Site Name: Coppice Colliery Location: Hall End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66063 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	679	1	400050 293037
12	BGS Recorded Mineral Sites Site Name: Shrubbery Brick Works Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25269 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SW (S)	697	1	400505 292565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Moorlands Colliery No 3 Shaft Location: Hall Green, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66067 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	749	1	400355 294089
14	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Hall End Brick Works Location: Hall End, West Bromwich, West Midlands Source: British Geological Survey, National Geoscience Information Service Reference: 25268 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Etruria Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	799	1	400455 292475
15	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Shrubbery Colliery Location: Hall End, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66068 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	808	1	400563 292433
16	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Crookhay Colliery Location: Hatley Heath, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66062 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	826	1	399924 293709
17	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Millfield Colliery Location: Hatley Heath, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66064 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A17NW (NW)	890	1	400055 294037
18	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Coles Farm Collieries Location: Hill Top, West Bromwich, West Bromwich, Staffordshire Source: British Geological Survey, National Geoscience Information Service Reference: 66060 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A11SE (W)	981	1	399690 293274

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (N)	0	2	400745 293329
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (N)	0	3	400745 293329
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
19	Potential Mining Areas Name: Jervoise Ceased Operation: 1870 Commodity: Coal; Heathen; New Mine; Thick; New Mine Bottom; Ironstone; White; Blue Flats Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Hy. Johnson, Son and Bloomer, Priory Street, Dudley.	A13NW (N)	0	4	400745 293329
20	Potential Mining Areas Name: Jervoise Ceased Operation: 1858 Commodity: Coal; Heathen; New Mine; Thick Reference: Not Supplied Alternate: Queen Name/Mine: Custodian: C.A. Clarke, Tipton.	A13NW (N)	0	4	400745 293329
21	Potential Mining Areas Name: Churchfield Ceased Operation: Not Supplied Commodity: Coal; Thick; Heathen; Seam unnamed; Ironstone; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Hy. Johnson, Son and Bloomer, Priory Street, Dudley.	A13NW (N)	0	4	400745 293329
22	Potential Mining Areas Name: Rock Farm Ceased Operation: 1898 Commodity: Coal; Thick Reference: 3762 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	0	4	400745 293329
23	Potential Mining Areas Name: Wednesbury New Ceased Operation: 1855 Commodity: Coal; Thick; Heathen; New Mine Reference: Not Supplied Alternate: Queen Name/Mine: Custodian: C.A. Clarke, Tipton.	A13NW (N)	0	4	400745 293329
24	Potential Mining Areas Name: Wednesbury New Mine Ceased Operation: 1881 Commodity: Coal; Thick; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A13NW (N)	0	4	400745 293329
25	Potential Mining Areas Name: Jervoise Ceased Operation: 1876 Commodity: Coal; New Mine; Bottom; Ironstone Reference: 558 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	0	4	400745 293329

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Potential Mining Areas Name: Jervoise Ceased Operation: 1902 Commodity: Coal; Thick Reference: 4371 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	0	4	400745 293329
27	Potential Mining Areas Name: Jervoise Ceased Operation: 1857 Commodity: Seam unnamed Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A13NW (N)	0	4	400745 293329
28	Potential Mining Areas Name: Hall End Ceased Operation: 1891 Commodity: Coal; Thick; New Mine; Heathen Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A13NW (N)	0	4	400745 293329
29	Potential Mining Areas Name: Churchfield and Hateley Heath Ceased Operation: 1856 Commodity: Coal; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Hy. Johnson, Son and Bloomer, Priory Street, Dudley.	A13NW (N)	0	4	400745 293329
30	Potential Mining Areas Name: Malfield; Millpool; Moorlands; Crookhay and Hateley Heath Ceased Operation: 1915 Commodity: Coal; Brooch; Heathen; New Mine; Thick; Mealey Grey Reference: 6420 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	0	4	400745 293329
31	Potential Mining Areas Name: Hateley Heath Ceased Operation: 1862 Commodity: Coal; New Mine; Heathen; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A13NW (N)	0	4	400745 293329
32	Potential Mining Areas Name: Hateley Heath Ceased Operation: 1860 Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Patent Shaft and Axletree Co. Ltd., Wednesbury.	A13NW (N)	0	4	400745 293329
33	Potential Mining Areas Name: Stone Cross and Moorlands Ceased Operation: 1903 Commodity: Coal; Heathen; Thick; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.W.F. Clark and Son, Aldridge, Walsall.	A13NW (N)	94	4	400743 293517

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Potential Mining Areas Name: Spon Lane Ceased Operation: 1928 Commodity: Coal; Thick; Heathen Reference: 9756 Alternate: Bromford Name/Mine: Alternate: Lyttleton Name/Mine: Alternate: Victoria Name/Mine: Custodian: Not Supplied	A13NW (N)	94	4	400743 293517
35	Potential Mining Areas Name: Jervoise Ceased Operation: 1874 Commodity: Ironstone; White Reference: 331 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	94	4	400743 293517
36	Potential Mining Areas Name: Moorlands Ceased Operation: 1885 Commodity: Coal; Thick; Heathen; New Mine Reference: 1728 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	94	4	400743 293517
37	Potential Mining Areas Name: Moorlands Ceased Operation: 1904 Commodity: Coal; Thick (Pickings) Reference: 4629 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	94	4	400743 293517
38	Potential Mining Areas Name: Marsh Lane Ceased Operation: 1875 Commodity: Coal; Thick Reference: 377 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	94	4	400743 293517
39	Potential Mining Areas Name: Staffordshire; South Ceased Operation: 1880 Commodity: Coal; Thick Reference: Not Supplied Alternate: Bayonet Name/Mine: Alternate: Lyndon Name/Mine: Custodian: C. Davies, 220 Stafford Road, Cannock.	A13SE (S)	105	4	400748 293115
40	Potential Mining Areas Name: Whites Farm Ceased Operation: 1845 Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A13NW (W)	121	4	400549 293327
41	Potential Mining Areas Name: Hall End Ceased Operation: 1928 Commodity: Coal; Thick (Pickings) Reference: 9509 Alternate: Nos. 8, 9 Name/Mine: Custodian: Not Supplied	A13NW (W)	121	4	400549 293327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Potential Mining Areas Name: Hateley Heath Ceased Operation: Not Supplied Commodity: Coal; New Mine; Heathen Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A13NW (W)	121	4	400549 293327
43	Potential Mining Areas Name: Hall End Ceased Operation: 1884 Commodity: Coal; Thick; Heathen Reference: 1611 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (W)	121	4	400549 293327
44	Potential Mining Areas Name: Hall End Ceased Operation: 1885 Commodity: Coal; New Mine Reference: 1774 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (W)	121	4	400549 293327
45	Potential Mining Areas Name: Hall End Ceased Operation: 1887 Commodity: Coal; Thick Reference: 1993 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (W)	121	4	400549 293327
46	Potential Mining Areas Name: Hall End Ceased Operation: 1902 Commodity: Coal; Thick Reference: 4403 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (W)	121	4	400549 293327
47	Potential Mining Areas Name: Coles Farm Ceased Operation: 1889-1893 Commodity: Coal; Thick; Heathen; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A13NW (W)	121	4	400549 293327
48	Potential Mining Areas Name: Crookhay Ceased Operation: 1875 Commodity: Coal; Thick Reference: 258 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (NW)	178	4	400546 293515
49	Potential Mining Areas Name: Crookhay and Witton Lane Ceased Operation: 1870 Commodity: Coal; Brooch; New Mine; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Patent Shaft and Axletree Co. Ltd., Wednesbury.	A13NW (NW)	178	4	400546 293515
50	Potential Mining Areas Name: Charlemont Ceased Operation: 1920 Commodity: Coal; Thick Reference: 7281 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NE (NE)	184	4	400949 293520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Potential Mining Areas Name: Charlemont Ceased Operation: 1920 Commodity: Coal; Thick; Heathen; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A13NE (NE)	184	4	400949 293520
52	Potential Mining Areas Name: Stone Cross Ceased Operation: 1904 Commodity: Coal; Thick (Pickings) Reference: 4843 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NE (NE)	184	4	400949 293520
53	Potential Mining Areas Name: Ridgacre Ceased Operation: 1877 Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A13SW (SW)	220	4	400551 293113
54	Potential Mining Areas Name: Hall End Ceased Operation: 1881 Commodity: Coal; Heathen; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C. Davies, 220 Stafford Road, Cannock.	A13SW (SW)	220	4	400551 293113
55	Potential Mining Areas Name: Hall End or Hall Green Ceased Operation: 1871 Commodity: Coal; Thick; New Mine; Heathen Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A13SW (SW)	220	4	400551 293113
56	Potential Mining Areas Name: Church Lane Ceased Operation: 1895 Commodity: Coal; Thick Reference: 3277 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13SW (SW)	220	4	400551 293113
57	Potential Mining Areas Name: Staffordshire; South Ceased Operation: 1884 Commodity: Coal; New Mine; Thick (Pickings) Reference: 1638 Alternate: Hall End Name/Mine: Alternate: No. 2 Name/Mine: Custodian: Not Supplied	A13SW (SW)	220	4	400551 293113
58	Potential Mining Areas Name: Hall End New Ceased Operation: 1897 Commodity: Coal; Thick Reference: 3666 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13SW (SW)	220	4	400551 293113
59	Potential Mining Areas Name: Hall End Ceased Operation: 1914 Commodity: Coal; Thick (Pickings) Reference: 6247 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13SW (SW)	220	4	400551 293113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Potential Mining Areas Name: Hall End Ceased Operation: 1914 Commodity: Coal; Thick (Pickings) Reference: 6560 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13SW (SW)	220	4	400551 293113
61	Potential Mining Areas Name: Coles Farm Ceased Operation: 1898 Commodity: Coal; Thick; Brooch; Heathen Reference: 4014 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13SW (SW)	220	4	400551 293113
62	Potential Mining Areas Name: Hall End Ceased Operation: 1930 Commodity: Coal; Thick (Pickings) Reference: 10256 Alternate: Nos. 5, 6, 7, 17, 19, 22, 23 Name/Mine: Custodian: Not Supplied	A13SW (SW)	220	4	400551 293113
63	Potential Mining Areas Name: Bromwich Hall Ceased Operation: 1874 Commodity: Coal; Ironstone; Blue Flats; Balls Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: T.T. Fisher and Nightingale, 145 Lichfield Street, Walsall.	A18SW (N)	496	4	400739 293919
64	Potential Mining Areas Name: Wistay Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18SW (N)	496	4	400739 293919
65	Potential Mining Areas Name: Bayonet Ceased Operation: 1890 Commodity: Coal; Thick; New Mine Reference: 2523 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8NE (S)	508	4	400752 292713
66	Potential Mining Areas Name: Staffordshire; South Ceased Operation: 1880 Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: (i) Shrubbery Colliery Co. Ltd., Hall End, West Bromwich. (ii) F.D. Peacock, 4 Wolverhampton Road, Cannock.	A8NE (S)	508	4	400752 292713
67	Potential Mining Areas Name: Staffordshire; South Ceased Operation: Not Supplied Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: F.D. Peacock, 4 Wolverhampton Road, Cannock.	A8NE (S)	508	4	400752 292713
68	Potential Mining Areas Name: Shrubbery Ceased Operation: 1928 Commodity: Coal; Thick; Heathen Reference: 9851 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8NE (S)	508	4	400752 292713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	Potential Mining Areas Name: Bromwich Hall Ceased Operation: 1875 Commodity: Ironstone; Blue Flats Reference: 275 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18SW (N)	518	4	400542 293917
70	Potential Mining Areas Name: Crookhay Ceased Operation: 1875 Commodity: Coal; Thick; Heathen Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A12NE (W)	523	4	400146 293323
71	Potential Mining Areas Name: Crookhay and Wallface Ceased Operation: 1884 Commodity: Coal; Brooch; Thick; Heathen Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A12NE (W)	523	4	400146 293323
72	Potential Mining Areas Name: Tantany Ceased Operation: 1862 Commodity: Coal; Thick; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A8NW (S)	543	4	400555 292711
73	Potential Mining Areas Name: Tantany Lower Ceased Operation: 1896 Commodity: Coal; Thick; Heathen Reference: 3602 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8NW (S)	543	4	400555 292711
74	Potential Mining Areas Name: Tantany Upper Ceased Operation: Not Supplied Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Hy. Johnson, Son and Bloomer, Priory Street, Dudley.	A8NW (S)	543	4	400555 292711
75	Potential Mining Areas Name: Church Lane Ceased Operation: 1891 Commodity: Coal; Thick Reference: 2621 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8NW (S)	543	4	400555 292711
76	Potential Mining Areas Name: Marsh's Crookhay Ceased Operation: 1908 Commodity: Coal; Thick; Brooch Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Patent Shaft and Axletree Co. Ltd., Wednesbury.	A12NE (W)	558	4	400144 293511
77	Potential Mining Areas Name: Crookhay Ceased Operation: 1901 Commodity: Coal; Thick; Chance Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Geo. W. Waring, 44 Wellington Road, Dudley.	A12NE (W)	558	4	400144 293511

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Potential Mining Areas Name: Crookhay Ceased Operation: 1898 Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A12NE (W)	558	4	400144 293511
79	Potential Mining Areas Name: Whites Farm Ceased Operation: 1883 Commodity: Coal; Thick; Heathen Reference: 1488 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12SE (W)	560	4	400149 293109
80	Potential Mining Areas Name: Whites Farm Ceased Operation: 1911 Commodity: Coal; Brooch Reference: 6028 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12SE (W)	560	4	400149 293109
81	Potential Mining Areas Name: Whites Farm Ceased Operation: 1894 Commodity: Coal; New Mine; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A12SE (W)	560	4	400149 293109
82	Potential Mining Areas Name: Ridgacre Ceased Operation: 1884 Commodity: Coal; Thick Reference: 1594 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12SE (W)	560	4	400149 293109
83	Potential Mining Areas Name: Burrs and Balls Hill Ceased Operation: 1877 Commodity: Coal; New Mine Reference: 813 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A17SE (NW)	743	4	400140 293913
84	Potential Mining Areas Name: Balls Hill Ceased Operation: 1906 Commodity: Coal; New Mine Reference: 5045 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A17SE (NW)	743	4	400140 293913
85	Potential Mining Areas Name: Balls Hill Ceased Operation: 1902 Commodity: Coal; Heathen; Fireclay; Brooch; Thick; New Mine; Ironstone; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Patent Shaft and Axletree Co. Ltd., Wednesbury.	A17SE (NW)	743	4	400140 293913
86	Potential Mining Areas Name: Mestycroft and Hady Moors Ceased Operation: 1880 Commodity: Coal; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Patent Shaft and Axletree Co. Ltd., Wednesbury.	A17SE (NW)	743	4	400140 293913

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	Potential Mining Areas Name: Crookhay Ceased Operation: 1909 Commodity: Coal; Brooch Reference: 5381 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A17SE (NW)	743	4	400140 293913
88	Potential Mining Areas Name: Church Lane Ceased Operation: 1859-1861 Commodity: Coal; New Mine; Thick; Heathen; Bottom; Ironstone; White Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A7NE (SW)	782	4	400153 292706
89	Potential Mining Areas Name: Whites Farm Ceased Operation: 1886 Commodity: Coal; Thick; Heathen Reference: 1980 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A7NE (SW)	782	4	400153 292706
90	Potential Mining Areas Name: Whites Farm Ceased Operation: 1866 Commodity: Coal; Thick; New Mine Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Hy. Johnson, Son and Bloomer, Priory Street, Dudley.	A7NE (SW)	782	4	400153 292706
91	Potential Mining Areas Name: Oak Tree Ceased Operation: 1861 Commodity: Coal; Thick; Ironstone; White Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A7NE (SW)	782	4	400153 292706
92	Potential Mining Areas Name: Oak Tree Ceased Operation: 1858 Commodity: Coal; New Mine; Thick; Ironstone; White Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Hy. Johnson, Son and Bloomer, Priory Street, Dudley.	A7NE (SW)	782	4	400153 292706
93	Potential Mining Areas Name: Church Lane Ceased Operation: 1889 Commodity: Coal; Thick Reference: 2303 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A7NE (SW)	782	4	400153 292706
94	Potential Mining Areas Name: Church Lane or Oakwood Ceased Operation: 1911 Commodity: Coal; Thick (Pickings) Reference: 6055 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A7NE (SW)	782	4	400153 292706
95	Potential Mining Areas Name: Black Lake Ceased Operation: 1874 Commodity: Coal; Thick Reference: 78 Alternate: Crookhay Name/Mine: Alternate: No. 3 Name/Mine: Custodian: Not Supplied	A12SW (W)	925	4	399744 293318

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Potential Mining Areas Name: Wallface Ceased Operation: 1875 Commodity: Coal; Brooch Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C.A. Clarke, Tipton.	A12SW (W)	925	4	399744 293318
97	Potential Mining Areas Name: Wallface Ceased Operation: 1895 Commodity: Coal; Brooch; Thick; Heathen Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: C. Davies, 220 Stafford Road, Cannock.	A12SW (W)	925	4	399744 293318
98	Potential Mining Areas Name: Hill Top Ceased Operation: 1852 Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: T.T. Fisher and Nightingale, 145 Lichfield Street, Walsall.	A12SW (W)	925	4	399744 293318
99	Potential Mining Areas Name: West Bromwich Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A14NE (E)	942	4	401753 293529
100	Potential Mining Areas Name: Black Lake Ceased Operation: 1894 Commodity: Coal; New Mine Reference: 3233 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12SW (W)	947	4	399747 293104
101	Potential Mining Areas Name: Blake Lake Ceased Operation: 1898 Commodity: Coal; Two Feet; Brooch; Thick; Heathen; New Mine Reference: 3873 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12SW (W)	947	4	399747 293104
102	Potential Mining Areas Name: Balls Hill Ceased Operation: 1875 Commodity: Coal; Heathen Reference: 279 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	947	4	399742 293506
103	Potential Mining Areas Name: Balls Hill Ceased Operation: 1885 Commodity: Coal; Thick Reference: 1722 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	947	4	399742 293506
104	Potential Mining Areas Name: Balls Hill Ceased Operation: 1900 Commodity: Coal; Brooch Reference: 1722A Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	947	4	399742 293506

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	Potential Mining Areas Name: Balls Hill Ceased Operation: 1902 Commodity: Coal; Thick Reference: 4434 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	947	4	399742 293506
106	Potential Mining Areas Name: Whites Farm Ceased Operation: Not Supplied Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A12SW (W)	947	4	399747 293104
107	Potential Mining Areas Name: Witton Lane Ceased Operation: 1903 Commodity: Coal; Brooch Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Geo. W. Waring, 44 Wellington Road, Dudley.	A12NW (W)	947	4	399742 293506
108	Potential Mining Areas Name: Witton Lane Ceased Operation: 1875 Commodity: Coal; Brooch Reference: 370 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12NW (W)	947	4	399742 293506
109	Potential Mining Areas Name: Witton Lane Ceased Operation: 1880 Commodity: Coal; Thick Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: (i) Patent Shaft and Axletree Co. Ltd., Wednesbury. (ii) C.A. Clarke, Tipton.	A12NW (W)	947	4	399742 293506
110	Potential Mining Areas Name: Witton Lane Ceased Operation: 1880 Commodity: Coal; Chance Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: S. and J. Bailey, Princes Chambers, Corporation Street, Birmingham.	A12NW (W)	947	4	399742 293506
111	Potential Mining Areas Name: Talbot Ceased Operation: 1876 Commodity: Coal; Brooch Reference: 555 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12SW (W)	947	4	399747 293104
112	Potential Mining Areas Name: Talbot Ceased Operation: 1877 Commodity: Coal; Thick; Heathen Reference: 853 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A12SW (W)	947	4	399747 293104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	Extractive Industries or Potential Excavations from 1855-1909 Use: West Bromwich Cemetery First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13SE (S)	3	-	400763 293240
114	Extractive Industries or Potential Excavations from 1855-1909 Use: Gravel Pits First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13NW (NW)	26	-	400674 293431
115	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13NW (NW)	35	-	400655 293392
116	Extractive Industries or Potential Excavations from 1855-1909 Use: Gravel Pits First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13NW (NW)	43	-	400667 293452
117	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13NW (NW)	59	-	400652 293458
118	Extractive Industries or Potential Excavations from 1855-1909 Use: Hall End Colliery First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13SW (W)	61	-	400609 293321
119	Extractive Industries or Potential Excavations from 1855-1909 Use: Shaft First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13NW (NW)	96	-	400644 293502
120	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Deposited Material First Map Published 1890 Date: Last Map Published Not Applicable Date:	A13NW (W)	99	-	400581 293368
121	Extractive Industries or Potential Excavations from 1893-1915 Use: West Bromwich Cemetery First Map Published 1904 Date: Last Map Published Not Applicable Date:	A13SE (E)	0	-	400802 293314
122	Extractive Industries or Potential Excavations from 1893-1915 Use: Sand Pits First Map Published 1904 Date: Last Map Published Not Applicable Date:	A13NW (NW)	25	-	400673 293431
123	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Disturbed Land First Map Published 1903 Date: Last Map Published 1904 Date:	A13NW (W)	25	-	400657 293365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1904 Date: Last Map Published Not Applicable Date:	A13NW (NW)	75	-	400641 293471
125	Extractive Industries or Potential Excavations from 1893-1915 Use: Hall End Colliery First Map Published 1904 Date: Last Map Published Not Applicable Date:	A13NW (W)	92	-	400579 293330
126	Extractive Industries or Potential Excavations from 1893-1915 Use: Old Coal Shaft First Map Published 1904 Date: Last Map Published Not Applicable Date:	A13NW (NW)	96	-	400644 293502
127	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Pit First Map Published 1920 Date: Last Map Published Not Applicable Date:	A13NW (NW)	0	-	400689 293363
128	Extractive Industries or Potential Excavations from 1906-1937 Use: West Bromwich Cemetery First Map Published 1920 Date: Last Map Published Not Applicable Date:	A13SE (E)	2	-	400805 293313
129	Extractive Industries or Potential Excavations from 1906-1937 Use: Sand Pit First Map Published 1920 Date: Last Map Published Not Applicable Date:	A13NW (NW)	19	-	400680 293431
130	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Pit First Map Published 1920 Date: Last Map Published Not Applicable Date:	A13NW (NW)	47	-	400641 293394
131	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1920 Date: Last Map Published Not Applicable Date:	A13NW (NW)	77	-	400640 293472
132	Extractive Industries or Potential Excavations from 1924-1949 Use: West Bromwich Cemetery First Map Published 1938 Date: Last Map Published Not Applicable Date:	A13SE (E)	0	-	400805 293313
133	Extractive Industries or Potential Excavations from 1950-1980 Use: West Bromwich Cemetery First Map Published 1959 Date: Last Map Published 1959 Date:	A13SE (E)	0	-	400802 293314

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	Air Shafts Use: Not Supplied Date of Mapping: 1921 - 1947	A17SW (NW)	814	-	399931 293690
135	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1980	A18SW (N)	493	-	400517 293882
136	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1980	A18NE (N)	863	-	400948 294250
137	Mineral Railway Use: Not Supplied Date of Mapping: 1891	A18NW (N)	716	-	400730 294138
138	Mineral Railway Use: Not Supplied Date of Mapping: 1891	A17NE (NW)	812	-	400368 294165
139	Mineral Railway Use: Not Supplied Date of Mapping: 1891 - 1947	A17NW (NW)	935	-	400010 294055
140	Mining & quarrying general Use: Not Supplied Date of Mapping: 1921 - 1955	A7NE (SW)	535	-	400318 292896
141	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891 - 1904	A13NW (W)	53	-	400617 293322
142	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891 - 1947	A13NW (NW)	211	-	400510 293517
143	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1904	A13NE (N)	222	-	400786 293629
144	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A18SW (N)	348	-	400609 293760
145	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891 - 1904	A18SE (NE)	486	-	400998 293839
146	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A18SE (N)	504	-	400794 293918
147	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A12SE (SW)	557	-	400177 293055
148	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1921	A7NE (SW)	609	-	400256 292842
149	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891 - 1947	A12NW (W)	669	-	400011 293431
150	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A8SW (S)	692	-	400562 292553
151	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1891	A17SW (NW)	773	-	400017 293787
152	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1904	A17SW (NW)	774	-	400013 293782
153	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1891 - 1947	A13NW (W)	13	-	400668 293360
154	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1921	A13NE (N)	241	-	400752 293658

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1904	A12SE (W)	284	-	400407 293207
156	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1904 - 1947	A8NW (SW)	372	-	400501 292937
157	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1891 - 1955	A18NE (N)	876	-	400941 294266
158	Former Marshes Use: Former Marsh Date of Mapping: 1955	A12SW (W)	648	-	400029 293218
159	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NW (W)	26	-	400647 293369
160	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NW (W)	53	-	400617 293322
161	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NW (NW)	221	-	400502 293522
162	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NE (N)	222	-	400786 293629
163	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A13NE (N)	241	-	400752 293658
164	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18SW (N)	348	-	400609 293760
165	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18SE (NE)	486	-	400998 293839
166	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18SE (N)	504	-	400794 293918
167	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A12SE (SW)	557	-	400177 293055
168	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8NW (S)	606	-	400506 292662
169	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A12NW (W)	669	-	400011 293431
170	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8SW (S)	692	-	400562 292553
171	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A17SW (NW)	774	-	400013 293782
172	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A18NE (N)	876	-	400941 294266
173	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (W)	433	-	400253 293429
174	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12SE (W)	537	-	400144 293206
175	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	567	-	400223 292964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	639	-	400219 292855
177	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	662	-	400377 292668
178	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A12SW (W)	715	-	399954 293307
179	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	780	-	400127 292741
180	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	796	-	400045 292823
181	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	802	-	399994 292882
182	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NW (SW)	819	-	400015 292824
183	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1947	A8SW (S)	912	-	400628 292316
184	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A8SW (S)	916	-	400614 292313
185	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7SE (SW)	920	-	400096 292566
186	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A17NE (N)	922	-	400373 294286
187	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A7NW (SW)	934	-	399949 292722
188	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1946	A11SE (W)	938	-	399732 293301
189	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1921	A3NW (S)	952	-	400694 292270
190	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A11NE (W)	958	-	399718 293422
191	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1891	A11NE (W)	994	-	399691 293492

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
192	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
193	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	215	1	400477 293461
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
194	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
195	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329
196	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	214	1	400468 293393
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	400745 293329

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


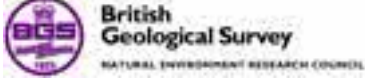





1:2,500	Mapsheets	Published Date
Staffordshire	068_06	1890
Staffordshire	068_06	1904
Staffordshire	068_06	1920
Staffordshire	068_06	1938
Ordnance Survey Plan	SP0092	1960

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

1:10,560	Mapsheets	Published Date
Worcestershire	002_SW	1890
Staffordshire	068_NE	1890
Staffordshire	068_SE	1890
Staffordshire	068_NW	1891
Worcestershire	002_SW	1904
Warwickshire	007_SE	1904
Staffordshire	068_NE	1904
Staffordshire	068_NW	1904
Staffordshire	068_SE	1904
Staffordshire	068_SW	1904
Warwickshire	007_NE	1921
Warwickshire	007_SE	1921
Staffordshire	068_NE	1921
Staffordshire	068_NW	1921
Staffordshire	068_SE	1921
Staffordshire	068_SW	1921
Worcestershire	002_SW	1938
Warwickshire	007_NE	1938
Warwickshire	007_SE	1938
Staffordshire	068_SE	1945
Staffordshire	068_NE	1946
Staffordshire	068_NW	1946
Staffordshire	068_SW	1947
Ordnance Survey Plan	SO99SE	1955
Ordnance Survey Plan	SP09SW	1955
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	SP09SW	1980
Ordnance Survey Plan	SO99SE	1992

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Peter Brett Associates	December 2019	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Peter Brett Associates	December 2019	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	March 2019	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area Johnson Poole & Bloomer	January 2015	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
3	Ove Arup & Partners Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1 3PL	Telephone: 0191 261 6080 Fax: 0191 261 7879
4	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9960 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmarkinfo.co.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

General

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

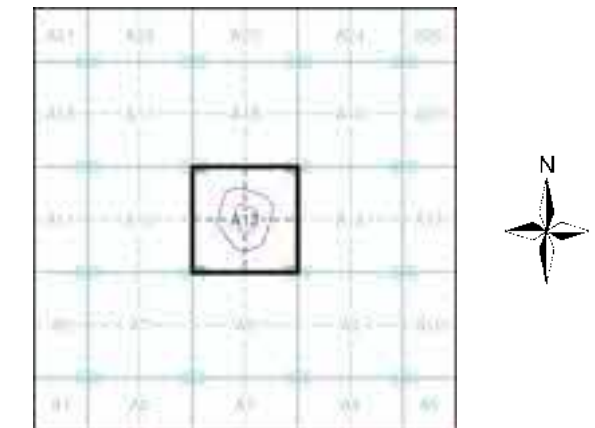
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909			
Extractive Industries Activity from 1893 - 1915			
Extractive Industries Activity from 1906 - 1937			
Extractive Industries Activity from 1924 - 1949			
Extractive Industries Activity from 1950 - 1980			

Subterranean Features

	Point	Line	Polygon
Subterranean Features			

Mining and Ground Stability - Segment A13

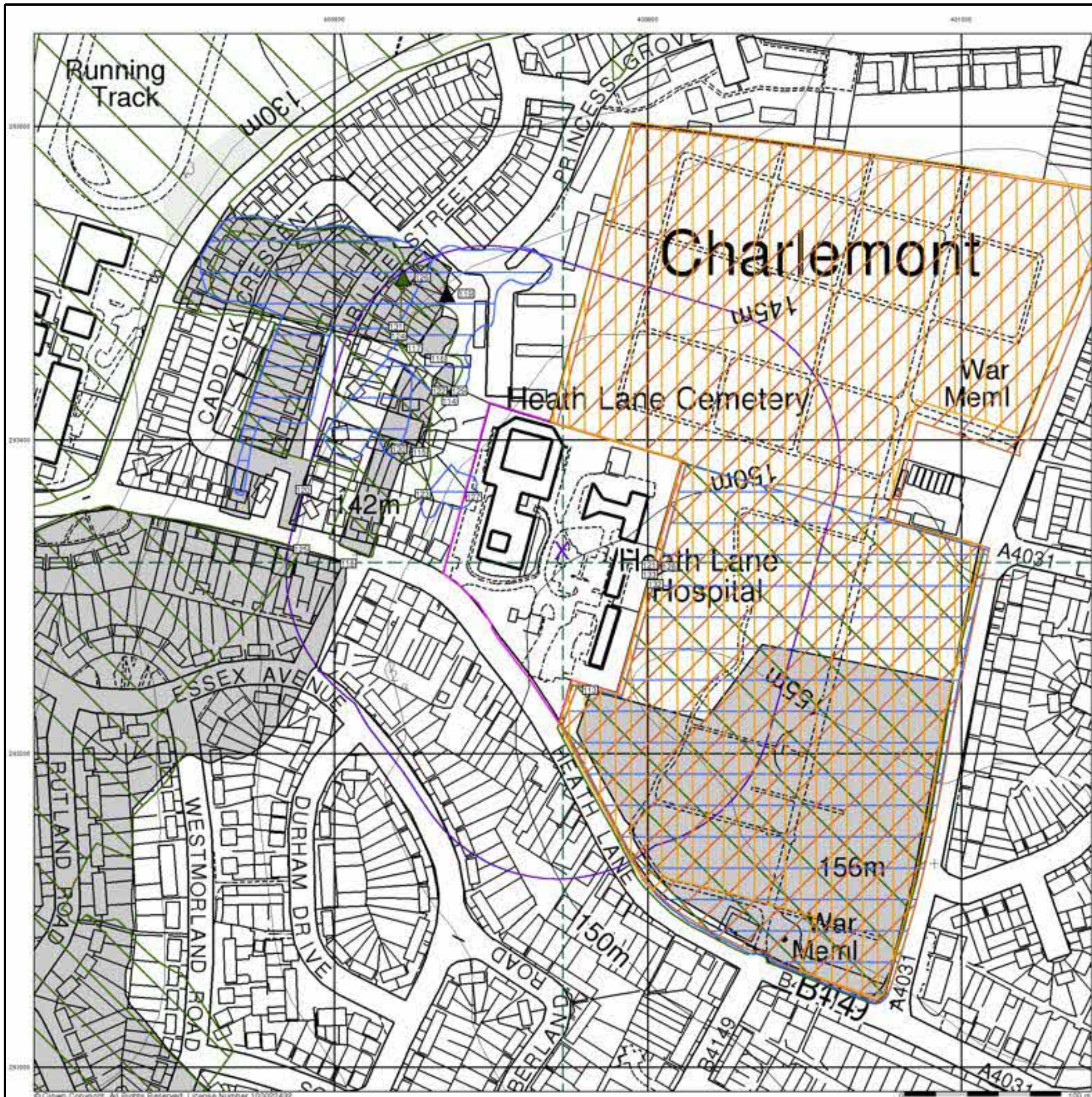


Order Details

Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Plot Buffer (m): 100

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

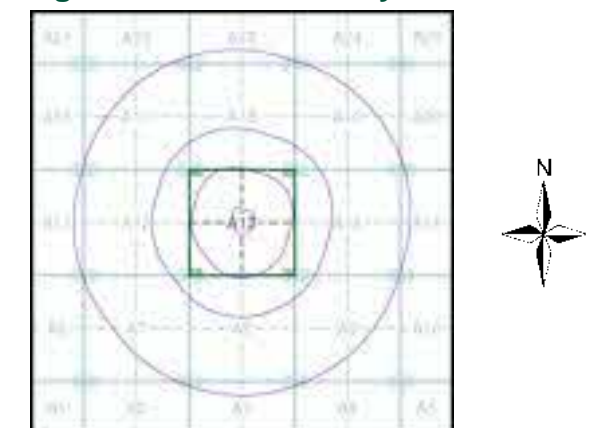
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

- Potential Mining Area
- BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

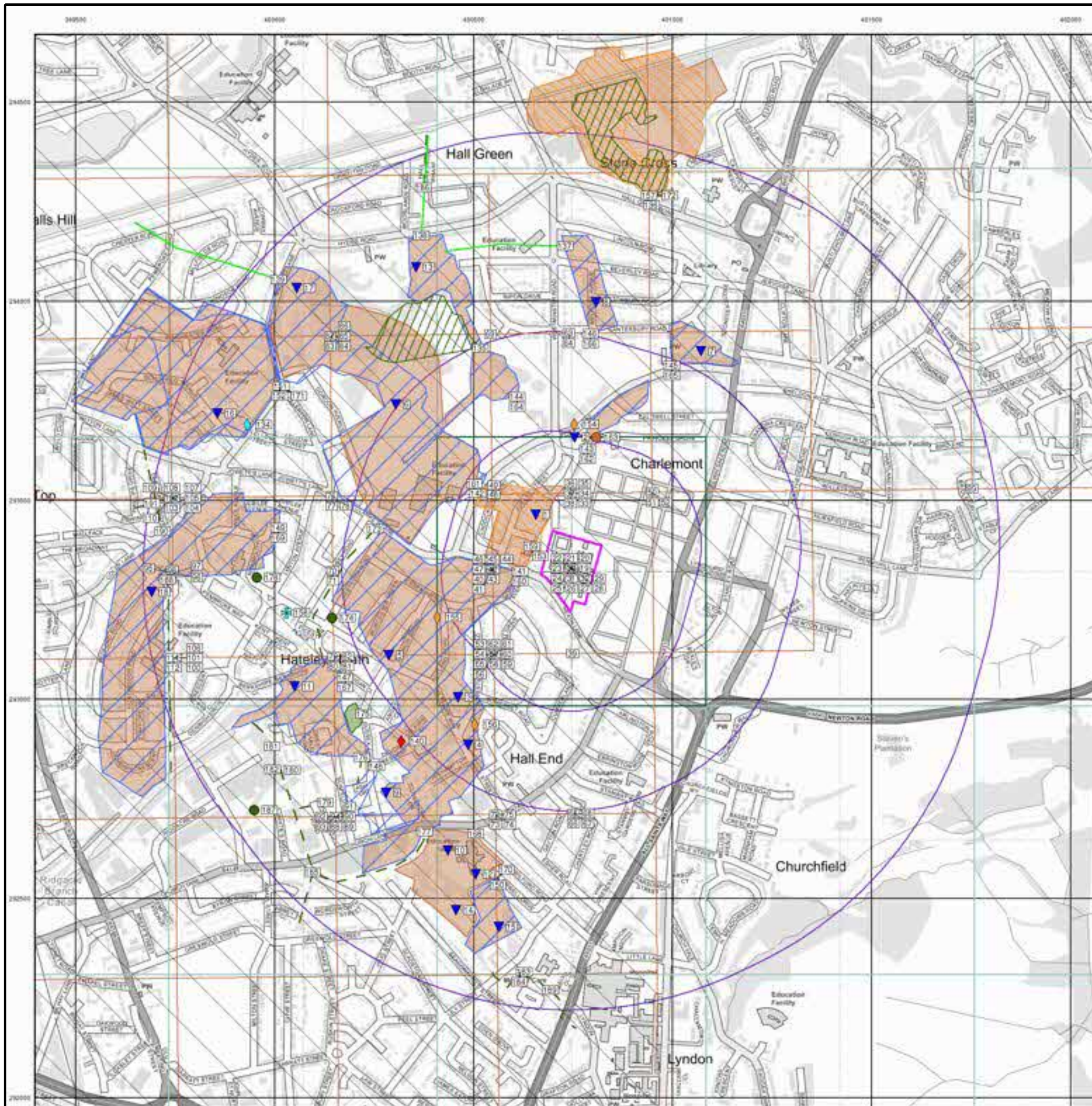
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 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

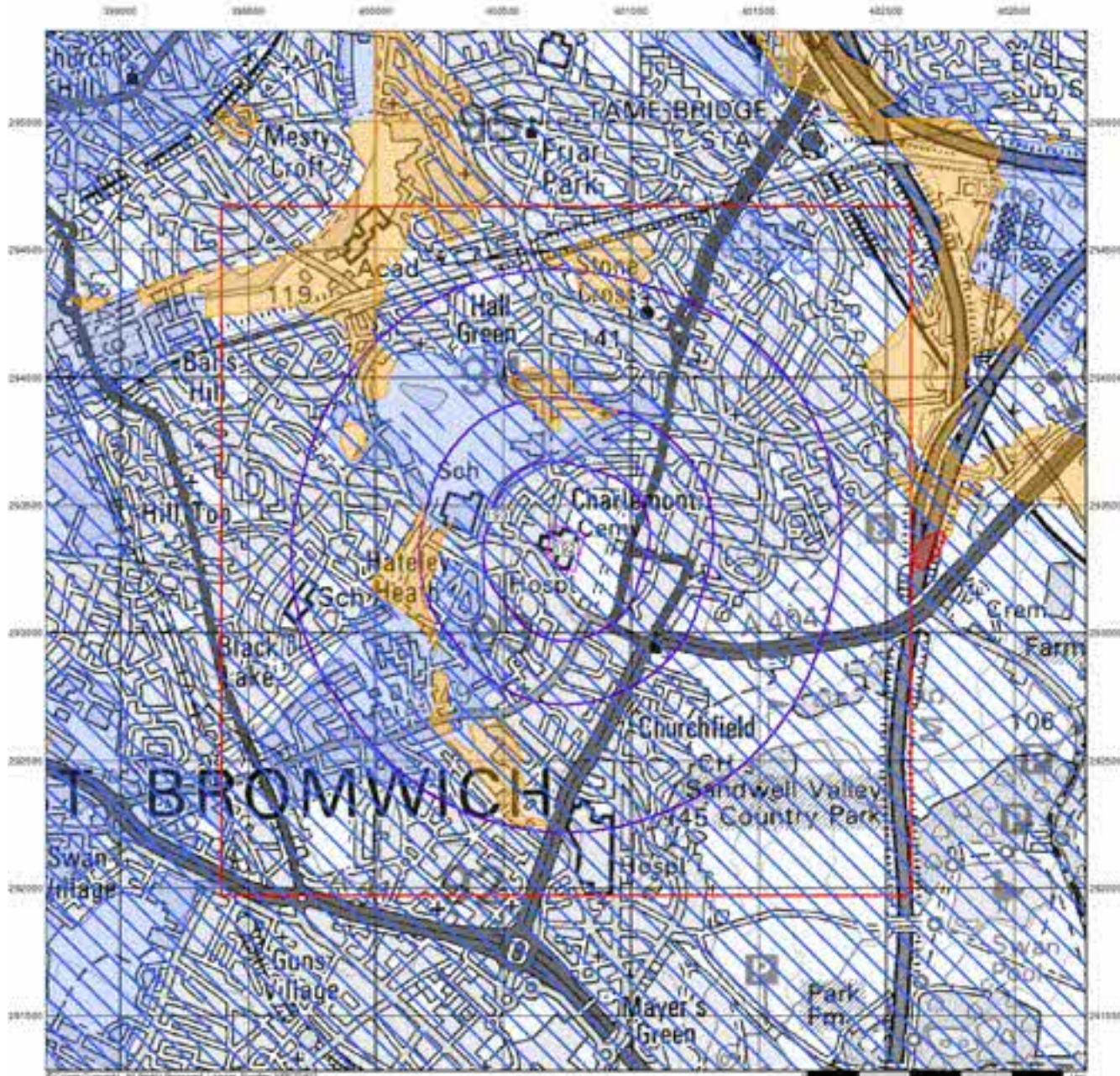
Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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





Ground Stability Data (1:50,000)

General

- Specified Date
- Specified Buffer/D
- Fixing Reference Point
- Site
- Map ID

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

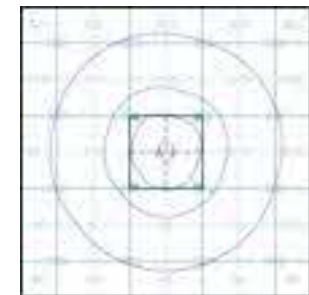
- High
- Moderate
- Low
- Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Feature
- Salt Mining Related Feature

- | Point | Polygon |
|-------|---------|
| | |
| | |

Mining and Ground Stability - Slice A

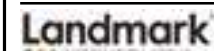


Order Details

Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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



Ground Stability Data (1:50,000)

General

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

Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice A

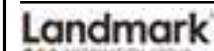


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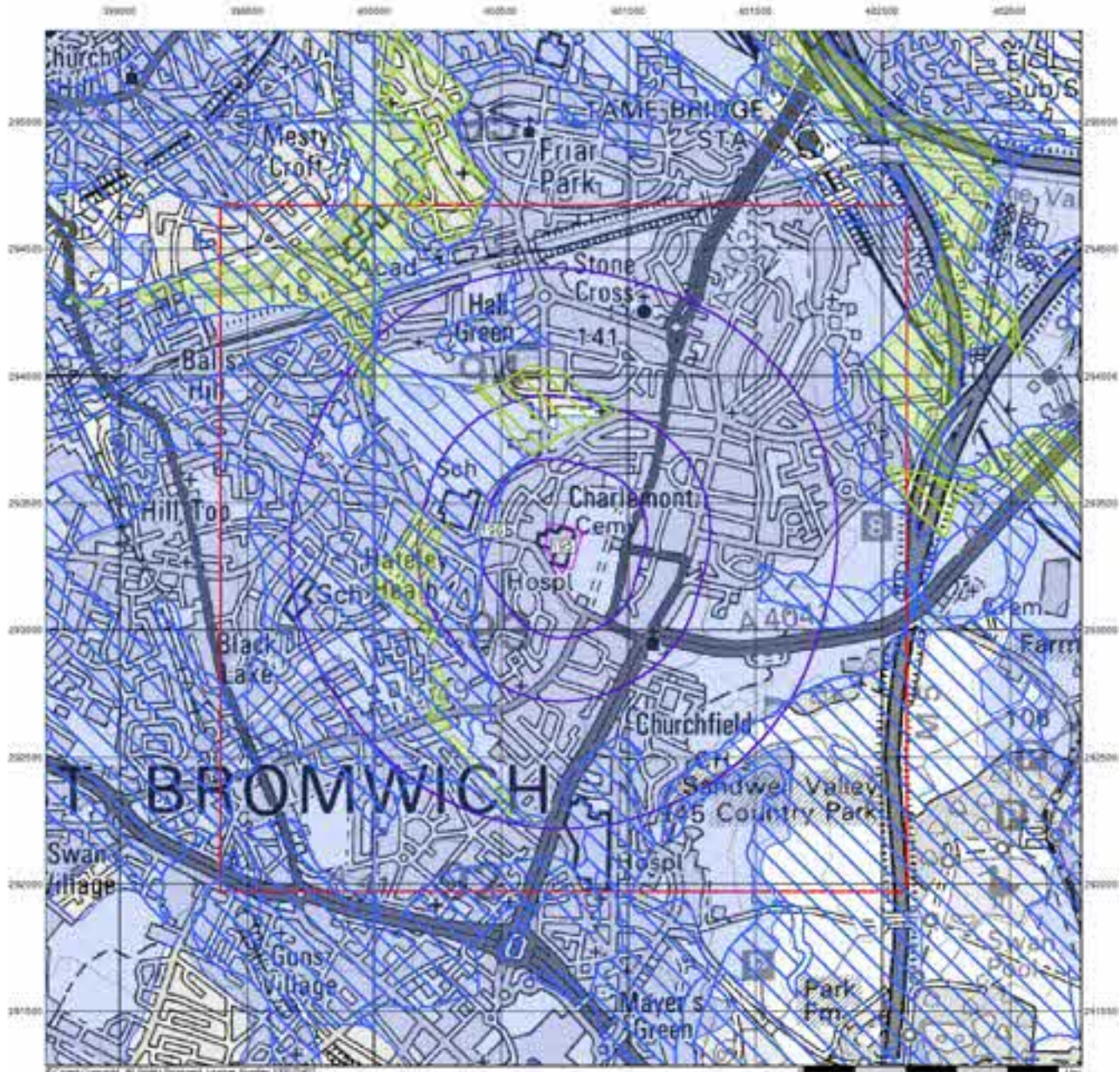
Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW




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Ground Stability Data (1:50,000)

General

-  Specified Site
-  Slice
-  Specified Buffer
-  Map ID
-  Bearing Reference Point

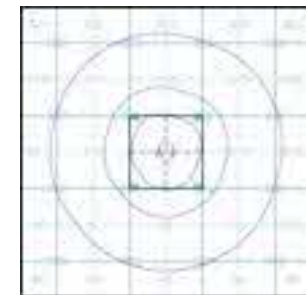
Potential for Running Sand Ground Stability Hazards

-  High
-  Moderate
-  Low
-  Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

-  High
-  Moderate
-  Low
-  Very Low

Mining and Ground Stability - Slice A

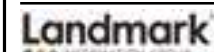


Order Details

Order Number: 233977425_1_1
 Customer Ref: B072904.001
 National Grid Reference: 400750, 293330
 Slice: A
 Site Area (Ha): 1.88
 Search Buffer (m): 1000

Site Details

Heath Lane Hospital, Heath Lane, West Bromwich, B71 2BW



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The Coal
Authority

Consultants

Coal Mining Report

Heath Lane Hospital
Heath Lane
West Bromwich
Sandwell
B71 2BW

Date of enquiry: 11 February 2020
Date enquiry received: 11 February 2020
Issue date: 11 February 2020

Our reference: 51002254105001
Your reference: B072904.001

Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

Curtins

Enquiry address

Heath Lane Hospital
Heath Lane
West Bromwich
Sandwell
B71 2BW

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NG18 4RG

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 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 –Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	THICK	Coal	23C6	47	West	4.5	North-West	640	1899
unnamed	HEATHEN	Coal	23B0	67	Beneath Property	3.3	North-West	100	1867
unnamed	NEW MINE COAL	Coal	23BA	73	Beneath Property	5.2	North-West	228	1866
unnamed	MEALY GREY	Coal	23CO	134	North	4.0	North-West	135	1912
unnamed	BLUE FLATS IRONSTONE	Ironstone	23BK	142	North	4.4	North-West	180	1876

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	400293-049	400635 293489		Coal	
Shaft	400293-054	400587 293372		Coal	
Shaft	400293-055	400639 293398		Coal	
Shaft	400293-056	400647 293382		Coal	
Shaft	400293-059	400587 293272		Coal	
Shaft	400293-060	400739 293283		Coal	
Shaft	400293-061	400758 293303		Coal	
Shaft	400293-062	400783 293280		Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

WM698	WM646	6420
17319	307	558
4371	3762	4680

Our records show we have more plans than those shown above which could affect the enquiry boundary.

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
NEW MINE COAL	Coal	Yes	Within	N/A	32
STAFFORDSHIRE THICK	Coal	Yes	Within	N/A	22

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 –Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 –Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 –Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 –Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial –mitigating the impact of existing pollution or Preventative –preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices




Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

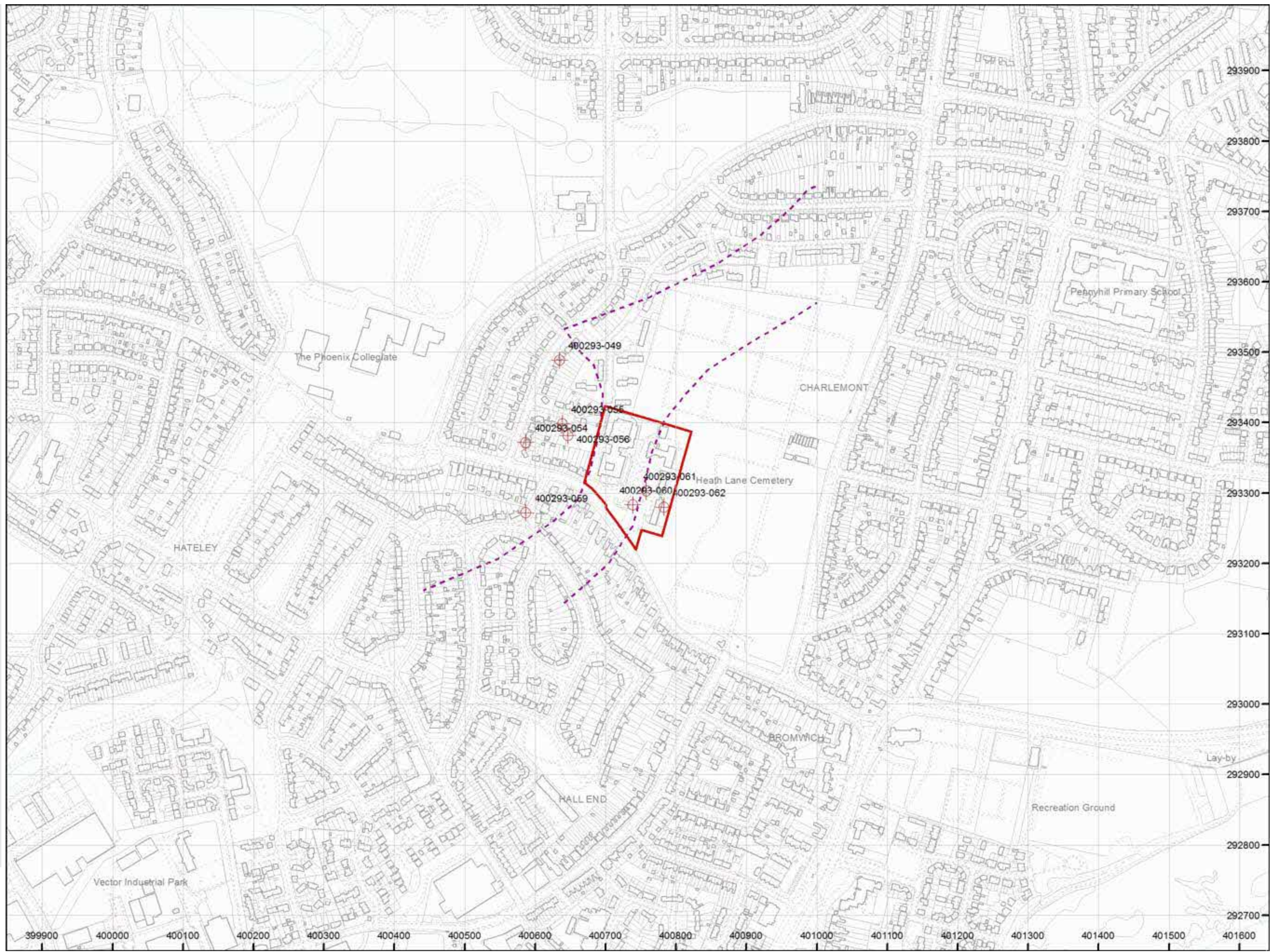
Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Outcrop (Conjectured) 



How to contact us
 0345 762 6848 (UK)
 +44 (0)1623 637 000 (International)
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Appendix C – Qualitative Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards in order to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are generally managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of a particular event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment the consequence of the hazard has been classified as severe or medium or mild or minor and the probability (likelihood) of the circumstances actually occurring classified as high likelihood or likely or low likelihood or unlikely.

The consequences and probabilities are subsequently cross-correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

		Consequence			
		Severe	Medium	Mild	Minor
Probability (Likelihood)	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate/Low Risk
	Likely	High Risk	Moderate Risk	Moderate/Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

Classification	Definition	Examples
Severe	Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to a particular ecosystem or organisation forming part of such ecosystem.	<p>High concentrations of cyanide on the surface of an informal recreation area.</p> <p>Major spillage of contaminants from site into controlled water.</p> <p>Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).</p>
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in a particular ecosystem or organism forming part of such ecosystem.	<p>Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria.</p> <p>Leaching of contaminants from a site to a Principal or Secondary A aquifer.</p> <p>Death of a species within a designated nature reserve.</p> <p>Lesser toxic and asphyxiate effects</p>
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment.	<p>Pollution of non-classified groundwater (inc. Secondary B aquifers).</p> <p>Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).</p>
Minor	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc). Easily repairable effects of damage to buildings, structures and services.	<p>The presence of contaminants at such concentrations that protective equipment is required during site works.</p> <p>The loss of plants in a landscaping scheme.</p> <p>Discoloration of concrete.</p>

In accordance with DoE guidance, the following categorisation of **probability** has been developed.

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

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

Classification	Definition
Very High Risk	There is a <i>high probability</i> that <i>severe harm</i> could arise to a designated receptor from an identified hazard at the site without appropriate further action.
High Risk	<i>Harm is likely to arise</i> to a designated receptor from an identified hazard at the site without appropriate further action.
Moderate Risk	<i>It is possible</i> that without appropriate further action <i>harm could arise</i> to a designated receptor. It is relatively <i>unlikely</i> that any such harm would be <i>severe</i> , and if any harm were to occur it is <i>more likely</i> that such harm would be <i>relatively mild</i> .
Low Risk	<i>It is possible</i> that <i>harm could arise</i> to a designated receptor from an identified hazard. It is <i>likely</i> that, at worst, if any harm was realised any effects would be <i>mild</i> .
Negligible Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to 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.

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