Environmental
Geotechnical
Specialists

PHASE 1 ENVIRONMENTAL
DESK STUDY
REPORT

job number	C5856/26/E/9093
date	18.03.2026
site address	23 Queens Road, Barnsley, South Yorkshire, S71 1AN
written by	S. Hale
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Report on a Phase One Desk Study

Location:	23 Queens Road Barnsley, South Yorkshire, S71 1AN
For:	Whitshaw Builders Ltd
Report No.	C5856/26/E/9093 Report date: March 2026

For and on behalf of **Rogers Geotechnical Services Ltd**

[redacted]	[redacted]
Steven Hale BSc FGS Geo-environmental Engineer	**Rob Palmer** MSc FGS ACIEH Engineering Director

1. Introduction

The site comprises an existing commercial building and associated car parking. The site is approximately 0.13 hectares in size and its National Grid reference is centred around 434946 406404.

It is understood that the development proposals currently comprise the change in use of the existing building to a number of residential flats with part of the car park being converted to soft landscaping. In order to assist with this decision-making process, and any planning and construction aspects of the development, a phase one environmental desk study has been commissioned and is the subject of this report.

This report may be regarded as a Preliminary Risk Assessment in accordance with the Environment Agency's guidance document Model Procedures for the Management of Land Contamination (CLR 11, 2004). This Phase 1 Desk Study has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175:2011+A2:2017, "Investigation of Potentially Contaminated Land - Code of Practice" and relevant sections of BS 5930: 2015:+A1:2020, "Code of Practice for Ground Investigations".

As a part of this desk study the following data has been considered.

- Site Plan - Appendix 1
- Historical maps - Appendix 2
- Groundsure Reports - Appendix 3
- Photographs - Appendix 4
- Consultants Coal Mining Report - Appendix 5

The data obtained from the above-mentioned sources has been summarised below[1] in the following sections.

[1] This report is a summary only and reference must be made in full to the information provided in the Groundsure Report.

1.1 Site Walkover and Description

In accordance with issued guidance, a site walkover was conducted on the 5th March 2026 and the following observations were made:

General site description/current site use
The site is currently comprised of an existing commercial building with associated car parking.

Site boundaries/access
The development area is unsecured and accessed off Queens Road.

Topography
The site lies relatively flat, however, the surrounding area in general slopes downwards towards the west.

Surface cover of site
Hardstanding black top and concrete covers the entire surface of the site.

Visible evidence of contamination/ contaminative sources
At the time of the walkover no obvious sources of contamination were observed.

Presence of vegetation and wildlife
A shrub is present along the northern boundary with Queens Road which appears to be healthy. No obvious signs of fauna were observed.

Services
The status of underground services is unknown. No overhead cables present to the site. Some manhole covers were observed across the site and are assumed to still be live.

Site neighbours
The site is located within a residential area and surrounded on all sides by houses.

In order to ensure that the site is fully characterised and to comply with the Environment Act 1995[2], a Phase One Desk Study has been commissioned by Whitshaw Builders Ltd. The desk study is intended to assess the environmental impact of historical, current and future factors on the development. This report will present the data obtained and provide a conceptual ground model and preliminary risk assessment as well as discussing the scope of any intrusive investigation that may be required. This report does not consider ecological impacts (e.g. bats) or botanical risks (e.g. Japanese Knotweed).

[2]S57 of the Environment Act 1995 inserted the contaminated land regime into the Environmental Protection Act 1990 (Part 2A). The regime **'provides a risk-based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health or the environment'** See http://www.environment-agency.gov.uk/research/planning/40405.aspx. This places a duty on local authorities to inspect their areas for contaminated land and require its remediation using the 'suitable for use' approach. Much of this duty is discharged via the planning regime under the Town and Country Planning Act 1990 as historical land contamination is a 'material planning consideration.' The local authorities are required to secure the removal of unacceptable risks via remediation of the land, to therefore ensure the site is suitable for its new use. This is fulfilled via completion of a Phase One Environmental Desk Study, Phase Two Intrusive Investigation, Phase Three Remediation Strategy and Phase Four Validation Report. Therefore, as a minimum, once a site has been developed it should not be capable of being designated as 'contaminated land' under Part 2A of the Environmental Protection Act 1990, as inserted by the Environment Act 1995 (see also PPS 23 Planning and Pollution Control Section 8)

2. Site History

2.1 Historical Land Use

In order to determine the history of the site, previous editions of Historical Maps and Ordnance Survey Plans were inspected. The Historical Maps are presented in Appendix 2. Excerpts of overhead imagery are presented in the Groundsure Report in Appendix 3.

Table 1 below presents a summary of the history of the site and the immediate surrounding area.

Table 1: Historical Land Use[3]

HISTORICAL MAPPING SUMMARY		
Map Dates	**On site**	**Within 250m**
1855	The site is currently undeveloped and appears to consist of a field or presumed agricultural use.	Railway Station – 210m NW
1890 – 1893	A structure has been built on site which appears to represent the existing building present during the walkover.	Malthouse – 140m SW Mount Osborne Colliery (Disused) – 150m S Timber Yard – 200m W Foundry – 200m W Gas Works – 200m SW Borough Foundry – 200m SW Union Foundry – 250m W
1904 – 1906	The site remains unchanged.	The Yorkshire Metal Works have now been constructed over the 'Mount Osborne Collier' located 150m S. Electricity Works – 220m SW
1929 – 1956	The site remains unchanged.	The surrounding land use remains largely unchanged.
1961 – 1966	The site is now labelled as the 'Queen's Road Clinic'.	The Gas Works located 200m SW has been demolished. The Yorkshire Metal Works also appear to have been demolished. Construction Yard – 80m SW Works – 90m E Factory – 90m NE
1972 – 1977	The site remains unchanged.	The surrounding land use remains largely unchanged.
1982 – 2025	The site remains unchanged.	The surrounding land use remains largely unchanged.

NB. All distances given are approximate only from closest boundary.

[3] See Appendix 2

3. Review and Summary of Published Data

The following summarises the published data obtained for the site.

3.1 Published Geology and Geological Hazards

The appropriate map sheets, the geology viewer and the Groundsure Report have been examined the table below outlines the following geological data is present for the site:

Table 2: Summary of Geological Data for the Site

BGS MAPPING DATA			
Strata Type	**Strata Name**[4]	**Parent Name**	**Description**[5]
Artificial Geology	Made Ground	N/A	Not indicated on site although previous construction may have resulted in the presence of made ground.
Superficial Geology	N/A	N/A	None recorded beneath the site.
Solid Geology	Woolley Edge Rock	Pennine Middle Coal Measures Formation	Sandstone, coarse-grained in the north, becoming finer southwards.

MADE GROUND & INFILLED GROUNDWORKINGS		
Description	**Location**	**Comments**
Records of Artificial Deposits, Groundworkings and infilled features	59m E	Unspecified Quarry (1890)
	89m SW, 134m SW, 135m NE & 160m S	Unspecified Ground Workings (1904 – 1973)
	90m SW, 123m NE, 124m N & 126m NE	Refuse Heaps (1890 – 1955)
	101m W, 120m NE-126m NE & 135m NE	Unspecified Heaps (1904 – 1992)
	136m S	Unspecified Pit (1890)
	150m S	Mount Osborne Collier (1890 – 1893)

GEOLOGICAL FEATURES			
Type	**Location**	**Features**	**Comments**
Mining Activity	On site	Coal mining	The study site is located within the specified search distance of an identified mining site and the site is present on a development high risk area. A consultant's report has been acquired as part of this desk study.
		Non-coal Mining	Underground mining for iron ore may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered.
Linear Features	Within 250m	Faults	None present within 250m of the site.

[4] Sources: British Geological Survey (NERC) Map Sheets 87; Barnsley; Solid and Drift Edition, and GeoIndex Onshore Viewer [*online resource from www.bgs.ac.uk*]
[5] Sources: British Geological Survey (NERC) Lexicon of Named Rock Units [*online resource from www.bgs.ac.uk*]

Landslip Deposits	No data	No data	No data.
MINERAL FEATURES			
Seam Name	**Seam Thickness**	**Outcrop Distance**	**Anticipated Depth below Site**
Meltonfield Coal (MD)	0.69m to 0.89m	On site	At or near to the surface.
Maltby (Two-Foot) Marine Band (TFMB)	N/A	89m W	~13m
Two-Foot Coal (TF)	0.56m to 0.63m	96m W	~13m
Abdy or Winter Coal (A)	1.22m to 1.42m	215m W	~46m
BGS BOREHOLE DATA			
Reference[6]	**Location**	**Strata Description**	**Depth**
SE30NE255	120m NE	Weathered SANDSTONE Grey MUDSTONE SILTSTONE COAL FIRECLAY	5.50m 9.00m 18.20m 19.00m 20.00m
SE30NE252	200m NE	Weathered SANDSTONE SANDSTONE Weathered MUDSTONE Grey MUDSTONE Black SHALE MUDSTONE COLLAPSED WORKING SOLID GROUND	0.60m 4.10m 5.00m 15.90m 16.10m 16.50m 17.90m 19.00m

NATURAL GROUND SUBSIDENCE & HAZARDS[7]	
Type	**Risk Rating**
Potential for shrinking or swelling clay ground stability	Negligible.
Potential for running sand ground stability	Negligible.
Potential for compressible ground stability	Negligible.
Potential for collapsible ground stability hazards	Very low.
Potential for landslide ground stability	Very low.
Potential for ground dissolution stability	Negligible.

[6] https://mapapps2.bgs.ac.uk/geoindex/home.html
[7] See Groundsure report

3.2 Mining, Quarrying and Natural Cavities

3.2.1 Coal Mining

The Groundsure Report states that the site is within an area that may be affected by coal mining, the report is presented as Appendix 5 and has been summarised below:

Table 3: Summary of the Consultant's Coal Mining Report

Has the report highlighted evidence or potential of:		
Mining Feature	**Yes/No**	**Comments**
Underground Coal Mining	Yes	Four coal seams are reported to have been worked beneath the site at depths of between 157m and 416m between the years 1856 and 1945.
Probable Unrecorded Shallow Workings	Yes	Workings suggested to be present.
Spine Roadways at Shallow Depth	No	No spine roadway recorded at shallow depth.
Mine Entries	Yes	Three mine entries located within 100m of the site. Mine shaft reference number 435406-023 is recorded to have been located approximately 85m NE. The adits are recorded to be located approximately 85m NE and 100m N with the reference numbers 435406-024 and 434406-013 respectively. No treatment information is provided.
Abandoned mine plans	Yes	Plans of abandoned mine workings below the site are suggested to be available by the Coal Authority.
Outcrops	Yes	The Meltonfield Coal is recorded to be present on site.
Geological Faults	No	No faults, fissures or breaklines recorded.
Opencast Mines	Yes	Multiple opencast mines are recorded to have been present approximately 470m NE of the site.
Coal Authority Managed Tips	No	None recorded within 500 metres of the enquiry boundary.
Site Investigations	Yes	One past site investigation is recorded 42m northwest of the site.
Remediated Sites	No	None recorded within 50 metres of the enquiry boundary.
Coal Mining Subsidence	No	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 31st 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	No	None recorded within 500 metres of the enquiry boundary.
Mine Water Treatment Schemes	No	None recorded within 500 metres of the enquiry boundary.
Future underground mining	No	For further information please see section 3 of the Consultant's Coal Mining Report.
Coal mining licensing	No	
Court orders	No	
Section 46 notices	Yes	
Withdrawal of support notices	No	
Payments to owners of former copyhold land	No	

3.2.2 Non-Coal Mining

Underground mining of iron-ore may have occurred in the past or may be currently worked at significant depth. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered.

3.3 Radon Risk

The Groundsure Report highlights that at the purchase of the data set the risk from Radon Gas is outlined as the table below based on information from UK Health Security Agency (UKHSA) UK Radon.

Table 4: Summary of Geological Data for the Site

RADON RISK[8]	
Radon Risk:	The property is in a Radon Affected Area where between 1% and 3% of properties are at or above the action level. No radon[9] protective measures are necessary for the proposed development.

3.4 Hydrogeology

Table 5: Summary of Hydrogeological Data

ENVIRONMENT AGENCY AQUIFER DESIGNATION[10]		
Strata	**Designation**	**Description**
Superficial Geology On Site	N/A	None recorded.
Solid Geology On Site	Secondary A	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.
GROUNDWATER SENSITIVITY AND VULNERABILITY[11]		
Description	**Location**	**Details**
Groundwater Vulnerability	On Site	Bedrock aquifer is recorded as having a 'medium' groundwater vulnerability.
Source Protection Zone	Within 250m	None recorded within 250m.
Abstraction Licences	Within 250m	None recorded within 250m.
Soil Leaching Potential	On Site	Leaching class: Low.

[8] See Groundsure Report. Radon data is subject to periodic review and is only applicable from date of purchase of data. Further information regarding radon risk is present in the online Radon interactive map [*online resource https://www.ukradon.org/radonmaps/*]
[9] In outline, 'basic' radon protective measures involve the fitting of a gas tight ground barrier to protect against radon ingress. This should cover the whole building foot print and be lapped to the damp proof course in the walls and sealed around service penetrations. In addition, the membrane should also act as a damp-proof barrier. 'Full' radon protective measures requires the radon-proof ground barrier, together with a sump in the foundation, ready to take a fan if high levels of radon are detected after occupancy.
[10] See Groundsure report
[11] See Groundsure report

3.5 Hydrology

Table 6: Summary of Hydrological Data		
CONTROLLED WATERS[12]		
Description	**Location**	**Details**
Surface Water Features	170m SW	Sough Dike.
Records of Licensed Discharge Consents	215m W – 221m W & 243m S	Effluent Type: Sewage discharges.
ENVIRONMENT AGENCY FLOOD RISK[13]		
Description	**Location**	**Details**
Zone 2	Within 250m	The site is not situated within a Zone 2 flood plain.
Zone 3	Within 250m	The site is not situated within a Zone 3 flood plain.
Flood Defences	Within 250m	None recorded within 250m.
Groundwater Flooding Area	Within 250m	Negligible potential for groundwater flooding to occur.

3.6 Waste Management

Table 7: Summary of Published Regulated Waste Management Facilities		
ENVIRONMENT AGENCY, LOCAL AUTHORITY, BGS & HISTORIC LANDFILLS		
Waste Type	**Location**	**Comments**
Active Landfill	Within 250m	None recorded within 250m
Historic Landfill	Within 250m	None recorded within 250m
Historic waste sites	120m N	Scrap Yard (21983 – 1990)
Licenced waste sites	Within 250m	None recorded within 250m
Waste Exemptions	17m E	Using waste exemption.

3.7 Regulated Industries and Industrial Land Uses

Table 8: Summary of Industrial Land Uses and Contaminative Sources		
HISTORICAL		
Land Use	**Location**	**Classification**
Historical Construction	On Site	Historical Construction
Construction Yard Works	80m SW 90m NE	Industrial and consumer products

[12] See Groundsure report
[13] See Groundsure report

Factory Malthouse Timber Yard Foundry Gas Works Borough Foundry Electricity Works Union Foundry	90m NE 140m SW 200m W 200m W 200m SW 200m SW 220m SW 250m W	
Railway Station	210m NW	Railway, transport and haulage
Mount Osborne Colliery	150m S	Mining and Quarrying (underground workings)

CURRENT

Land Use	Location	Classification
Queens Road MOT Centre A & P MOT Centre Cars2 Service Centre Dl Bodyshop G-tech MOT and service centre	17m E 17m E 114m S 144m S 185m S	Vehicle repair, testing and servicing
Electricity sub station Gas governor station	48m W, 120m W, 159m NW & 247m N 222m SW	Infrastructure

TANKS (Buried and Above Ground)

Land Use	Location	Classification
Underground Storage Tanks	Within 250m	None recorded
Overground Storage Tanks	180m N	Roofed Storage Tank

POLLUTION INCIDENTS[14]

Description	Receptor	Location	Date
-	-	None recorded within 250m	-

REGULATED INDUSTRIES

Description	Location	Details
Records of Part A(2) and Part B Activities and Enforcements	Within 250m	None recorded within 250m.

HAZARDOUS OR CONTROLLED SUBSTANCES

Description	Location	Details
Control of Major Accident Hazard (COMAH) Sites	Within 250m	None recorded within 250m.
Regulated Explosive Sites	Within 250m	None recorded within 250m.

[14] See Groundsure report

Hazardous Substance Storage/Usage	Within 250m	None recorded within 250m.

3.8 Unexploded Ordnance Risk

Table 9: Unexploded Ordnance Risk

Location	Risk Rating
On Site	the Zetica[15] online maps indicate that the site is at low risk from UXO.

3.9 Sensitive Land Use

Table 10: Summary of Sensitive Land Uses

REGISTERED SENSITIVE LAND USES [16]		
Description	**Location**	**Details**
Designated Ancient Woodland	Within 250m	None recorded within 250m.
Green Belt	Within 250m	None recorded within 250m.
Nitrate Vulnerable Zones	On site	River Dearne NVZ – Surface water.
World Heritage Site	Within 250m	None recorded within 250m.

[15] Pre-desk study assessment [*online resource from www.zeticauxo.com*].
[16] See Groundsure Report

4. Preliminary Conceptual Site Model and Risk Assessment

4.1 Anticipated Ground Conditions

As the site has been developed, it is anticipated that made ground will have been brought onto the site. Superficial deposits are not expected to be present. Bedrock is likely to be shallow and be comprised of sandstone representing the Woolley Edge Rock, a named sandstone member of the Pennine Middle Coal Measures Formation.

4.2 Mining Assessment

The site is located in a recorded coal mining affected area as defined by the Coal Authority. Additionally, the site is also present within a development high risk zone. It should be appreciated, however, that there are currently no structural changes being implemented on site as the development plans only include the change in use of the existing building along with the creation of some soft landscaped areas. Moreover, no mine entries are recorded to be present within 50m of the site boundary. As such, it is not considered that a full Coal Mining Risk Assessment is required at this stage. If any structural modifications are to be included within any future development, then it is recommended that a full CMRA be produced. It is not considered that any existing workings will have any affect on the existing building at this stage.

4.3 Contamination Assessment

In order for a conceptual site model and preliminary risk assessment to be completed the historical maps and Groundsure data requires analysis to identify any past or present activities on the site and in the area that may have the potential to cause contamination on the site. Guidance has been issued by the Environment Agency, NHBC and Chartered Institute of Environmental Health. [17][18] Within this document, annex 3 provides examples of important contaminants that are associated with individual uses of land. This data assists in the formulation of any chemical testing regime.

The table below combines all identified potential current and historical aspects of the site and lists those that we consider potentially contaminative according to the guidance are given below:

Table 12: Potentially Contaminative Sources

Land Use	Location	Contamination Risk and Profile	Monitoring Profile
Historical construction	Whole site	Made ground from construction of existing structures immediately around the site over the documented history. This may include brick, concrete, timber, asbestos and metals. Historically road construction used ash as a sub-base material.	
Made/Infilled Ground	Whole Site	Materials used to infill depressions and form a level area for access or building. This may include brick, concrete, timber, ash, slag, coal and metals	Volatile Organic Compounds may be produced from hydrocarbons which may be present in soils on the site.

[17] Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D Publication 66: 2008 Volume 1 and 2.

4.4 Preliminary Qualitative Risk Assessment

The potential of contamination hazards on the land has been identified and the risks associated with them are assessed in the following preliminary risk assessment in accordance with industry practice and the 'suitable for use' approach. This has been conducted using the source-pathway-receptor approach. This method dictates that there must be a risk contaminant produced at a 'source' in sufficient concentration to cause harm and there must be a 'pathway' for the contaminant to reach an identifiable 'receptor' for the linkage to be proved and a contamination hazard to be considered present. Not all substances are contaminants and not all contaminants are considered to be a risk. Indeed, DEFRA and The Environment Agency state that **'a contaminant is a substance which has the potential to cause harm, while a risk itself is considered to exist if such a substance is present in sufficient concentration to cause harm and a pathway exists for a receptor to be exposed to the substance.**'

R&D Publication 66: 2008 states that the groups at risk of harm (receptors) can be identified by the following categorisation:

1. Humans: site personnel, end users, visitors and adjacent land users.
2. The water environment – receptors: groundwater, surface water, coastal waters and artificial drainage.
3. Ecosystems: plants and animals.
4. Construction/building materials/services

In order to complete a conceptual site model and therefore a preliminary risk assessment, an appraisal of the sources of contamination, potential and actual, on and in the area of the site has therefore been completed with reference to this pollution linkage.[19]

4.4.1 Conceptual Ground Model & Preliminary Qualitative Risk Assessment

It is understood that the development proposals currently comprise the change in use of the existing building to a number of residential flats with part of the car park being converted to soft landscaping. In view of the sensitivity of the end users it is considered that the soil screening values (SSVs) for a residential with plant uptake end use should be employed.

The preliminary risk assessment has been evaluated with reference to the following ratings and definitions:

N/A - A source-pathway-receptor linkage is not considered to exist and therefore a risk assessment is not required.

Low - A pollution linkage is unlikely and/or the likelihood of harm occurring is low and of minor consequence.

Moderate - The linkage exists but further data is required to confirm that the contaminant has reached the receptor and the levels of contaminant are harmful.

High - The linkage exists and the available data indicates that significant harm may be caused and remedial action could be necessary.

[19] This assessment has been based on the information as to the proposed development that has been provided by the client. If the plans should change, the assessment should be re-evaluated.

Table 13: Conceptual Site Model and Preliminary Qualitative Risk Assessment				
CONCEPTUAL SITE MODEL			**PRELIMINARY RISK ASSESSMENT**	
Pathways	**Receptor**	**Linkage**	**Risk Rating**	**Action Required**
Direct contact/dermal absorption/soil ingestion	Operative	Yes – Made ground likely to be present on site. Operatives are likely to come in contact with the soil.	Moderate	Further testing required to reach a firm conclusion.
	End User	Yes – Made ground likely to be present on site. End users are unlikely to come in contact with the made ground due to permanent structure, hardstanding and clean soft landscaped areas present across the site.	Low	
	Neighbours	Yes – Made ground likely to be present on site. Residential houses present directly adjacent to the site.	Moderate	
Inhalation of Dust/Vapours	Operative	Yes – Made ground likely to be present on site. Dust may be generated during site activity.	Moderate	Further testing required to reach a firm conclusion.
	End User	Yes – Made ground likely to be present on site. End users are unlikely to produce dust within the made ground due to permanent structure, hardstanding and clean soft landscaped areas present across the site.	Low	
	Neighbours	Yes – Made ground likely to be present on site. Residential properties present directly adjacent to the site. Dust may be generated during site activity which may migrate offsite to offsite receptors.	Moderate	
Ingestion of fruit/vegetables and/or waters	Operative	No – no edible plants or contained water sources in the area of the proposed new works.	N/A	Further testing required to reach a firm conclusion.
	End User	Yes – Made ground likely to be present on site. Soft landscaping proposed as part of the new development.	Moderate	
	Neighbours	Yes – Made ground likely to be present on site. Residential dwellings present within directly adjacent to the site.	Moderate	
Migration of hazardous gases via permeable strata	Operative	Yes – Made ground likely to be present on site, however, it is not expected to be a source of ground gas.	Low	It is unlikely that a significant thickness of made ground or organic soils capable of producing bulk ground gases will be present beneath the site. Should this be the case then a programme of monitoring is recommended to be undertaken with an initial six visits over a period of two months. At this point the results should be reviewed and whether monitoring can be curtailed or should continue to fully quantify the risks.
	End User		Low	
	Neighbours		Low	

Migration of mine gas via permeable strata	Operative	Yes – while the site may be present in a coal mining affected area, it is not considered likely that any permeable strata will be present beneath the site.	Low	
	End User			
Spillage/loss/run off direct to receiving water	Water Environment	Yes – Nearest surface water feature 170m southwest of site. Direct run off unlikely to receiving water.	Low	Further testing required to reach a firm conclusion.
Migration via permeable unsaturated strata	Water Environment	Yes – Made ground likely on site. Secondary aquifer located beneath the site. Made ground may be granular and promote infiltration.	Moderate	
Run off via drainage/sewers etc	Water Environment	Yes – Existing services and drainage may be present on site.	Low	
Direct contact with contaminated soils	Plants	Yes – Made ground likely on site. Soft landscaping areas may be present as part of the proposed development.	Moderate	Presence of suitable growing medium will need to be assessed. Further testing required to reach a firm conclusion.
Uptake via root system			Moderate	
Direct contact with contaminated soils/	Building Materials	Yes – Made ground likely to be present on site which may contain aggressive ground conditions. Service installation materials may be affected by the site soil.	Moderate	Further testing required to reach a firm conclusion.
Direct contact with contaminated groundwater				
Exposure to Radon	Operative	Yes – site currently indicated to be present in a radon affected area[20].	Low	Between 1% and 3% of properties are affected. The publication BR211 states that no protection measures are necessary. It is recommended that a site-specific radon report is purchased for the site to fully determine the risks.
	End User			

[20] Radon interactive map [*online resource https://www.ukradon.org/radonmaps/*] It should be appreciated that radon maps are subject to change and are updated regularly.

Notes:

1. The above data and table is a qualitative assessment of the probable risks identified at this site, based on the information made available to us from the client, third party professional data and walkover survey.

2. Should any additional or new data come to light, the risk assessment should be revisited and any necessary changes made to any recommendations resulting from this study.

3. Where further testing is recommended as part of the risk assessment, this is in order to provide a quantitative assessment of any contamination issues. It should at all times be considered that uncertainties may remain, and therefore any testing regime and ground investigation philosophy should be ready to accommodate any necessary alterations should any data come to light or it become evident that it has not been previously considered.

5. Intrusive Investigation

5.1 Site Investigation Philosophy

The information from the Phase 1 Desk Study shows there are potential sources of contamination on the site and in the surrounding area. In view of the above, any intrusive investigation should be undertaken in accordance with the sampling strategies given in BS10175: 2011 +A2:2017 and CLR4:1994. These two sampling strategies may be classified as:

- Non-Targeted – using a defined sampling pattern (BS10175)
- Targeted – based on prior knowledge and professional judgement (CLR4)

These sampling strategies are considered in more detail below. However, it is emphasised that they can be used individually or in combination depending on the depth of site knowledge.

Non-Targeted Sampling

If no obvious 'hot spots' of contamination have been identified on a site, it would be recommended that a stratified random pattern of sampling points be considered. This work should be undertaken with reference to BS10175: 2011 +A2: 2017 *Investigation of potentially contaminated sites – Code of practice*: 7.6, and BS5930 2015 + A1:2020, *Code of practice for ground investigations.*

Targeted Sampling

If a possible 'hot spot' of contamination has been identified on a site, it is recommended that a herringbone pattern of sampling points be considered in the immediate vicinity. If strong evidence of contamination has then been identified, it is recommended that sampling be highly focused to reflect that evidence and the investigator's experience. This work should be undertaken with reference to CLR4, *Sampling Strategies for Contaminated Land, 1994*.

The density of sampling required is defined in BS10175: 2011: +A2: 2017: 7.7.2.2.3, which indicates that an *exploratory* investigation usually requires a lower density sample spacing than does a *main* investigation. The BS goes on to state that *the actual density should depend upon the confidence and robustness required of decisions that will be based on the information obtained. Thus, the area and depth of interest will be related to the contaminants present, the pathways and the receptors. Typical densities of sampling grids can vary from 25m to 50m centres for exploratory investigations, and 10m to 25m centres for main investigations.*

5.2 Site Specific Investigation and Testing Rationale

In view of the information provided above it is considered that an investigation of the site should include the following main elements.

5.2.1 Geotechncial Assessment

An assessment of the geological strata and geotechnical parameter should be undertaken for the site this should include in-situ testing and collecting samples for subsequent laboratory testing.

5.2.2 Contamination Assessment

It may be appreciated that BS 10175 clause 7.7.2.2.3 suggests that the number of sampling points at the site should be based on a minimum of three testing locations or the size of the site with respect to the appropriate grid spacing, whichever the greater. On the basis of the site area being 0.13ha, the number of sampling points at the site should be considered with respect to the table below.

Table 14: Summary of Sampling Strategy

NUMBER OF SAMPLING POINTS				
	Soil	**Water**	**Standpipes**	**Standpipe Readings**
Exploratory Investigation 50m x 50m grid	3	-	3*	A minimum of six visits over two months should be undertaken in the first case. The monitoring results should be reviewed following the initial phase and depending on the results, further visits may be required.
Target Areas	Target areas where soft landscaped areas are to be located.			

*Should only be undertaken if a significant thickness of made ground or organic soils are encountered.

Chemical testing should be undertaken on the above grid spacing and the following testing regime should be undertaken based on the contamination source identified:

- **Metals** – Cd, Cr, Cu, Hg, Ni, Pb, Zn, V.
- **Semi Metals and Non-Metals** – As, Se, Free Cyanide and Phenols.
- **Hydrocarbons –** Polycyclic aromatic hydrocarbons (PAH EPA16), Total petroleum hydrocarbons (TPH CWG).
- **Others** – pH, Organic Content, soluble sulphates.
- **Asbestos**

5.2.3 Gas Monitoring

If required then any gas monitoring regime should be undertaken in accordance with Table 4.2 of CIRIA C665: 2007: *Assessing risks posed by hazardous ground gasses to buildings.* In that document guidance for the frequency of monitoring is provided on tables 5.5a and 5.5b *Typical/idealised frequency and period of monitoring* on page 60. For convenience, these tables have been combined and reproduced below.

Table 15: Typical/idealised Frequency and Period of Monitoring

Sensitivity of development	**Generation potential of source**				
	Very low	**Low**	**Moderate**	**High**	**Very High**
Low (commercial)	4/1	6/2	6/3	12/6	12/12
Moderate (flats)	6/2	6/3	9/6	12/12	24/24
High (residential + gardens)	**6/3**	**9/6**	**12/6**	**24/12**	**24/24**

Notes:

a) The first number is the minimum number of readings and the second number is the minimum period in months, for example 4/1 – four sets of readings over 1 month.

b) At least two sets of readings must be at low and falling atmospheric pressure (but not restricted to periods below 1000mb) known as worst case conditions.

c) The frequency and period stated are considered to represent typical minimum requirements. Depending on specific circumstances fewer or additional readings may be required (e.g. any such variation subject to site specific justification). The NHBC guidance is also recommending these periods/frequencies of monitoring.

d) Historical data can be used as part of the data set.

e) Not all sites will require gas monitoring. However, this would need to be confirmed with demonstrable evidence.

f) Placing high sensitivity end use on a high hazard site is not normally acceptable unless the source is removed or treated to reduce its gassing potential. Under such circumstances long-term monitoring may not be appropriate or required.

g) This guidance should be read in conjunction with BS 8576:2013 figure 6 which may justify fewer readings in the first instance, where the generation potential is considered to be very low to low. However, this should be undertaken pragmatically, and further readings obtained according to the above table, where a potentially significant source is identified and initial readings suggest that remedial measures are not necessary.

5.2.4 Sustainable Drainage

Should sustainable Drainage Systems (SuDS) be required for the site, an investigation into the efficacy of such drainage systems should be undertaken. In the first stage this would be through identification of potentially permeable stratum and then investigation of the suitability of such deposits by soakaway tests in line with the guidance in BRE Digest 365.

5.3 Proposed Methods of Investigation

The table below outlines the methods of investigation which are considered necessary to identify and investigate the risks outlined in the conceptual model. The location of these investigation locations will be completed in line with the guidance outlined in the sampling methodology.

Table 16: Proposed Methods of Investigation

Method of Investigation	Purpose/Target	Notes
Hand dug trial pits	Hand dug trial pits excavated to 1.20m to ensure positions are clear of underground services.	To be undertaken prior to drilling of all boreholes. To be undertaken alongside CAT scan and inspection of service plans.

Windowless sample boreholes drilled to 4.00m depth	To prove strength and composition of near surface deposits. To collect samples for geotechnical and chemical testing.	To be undertaken at target locations in the first instance, then on random stratified sampling pattern across the remainder of the site. Insitu Standard Penetration tests (SPT) to be undertaken at regular intervals.
Dynamic Probes	To prove the strength and competency of near surface soils to significant depth. To attempt to prove depth to bedrock which may extend beneath termination depth of windowless sample boreholes	To be undertaken at target locations in the first instance, then on random stratified sampling pattern across the remainder of the site.
Chemical Testing	To identify presence of contamination arising from potential sources identified in CSM.	Samples collected should cover contaminants highlighted in Section 5.2.1. Samples to be collected in appropriate plastic tubs and glass jars.
Geotechnical Testing	To confirm the properties and geotechnical parameter of the soils. To aid in construction and development of foundations for new structures. To confirm concrete classification.	Typical tests may include water content, Atterberg tests, particle size distribution, sedimentation, triaxial testing and oedometer testing.

5.4 Reporting

The above data will need to be formulated into a formal assessment that should include the following:

- Geotechnical recommendations.
- Contamination assessment.
- Contamination remediation strategy.
- Any recommendations for further work, if required and including remediation where required and validation of completion of remedial measures reports.

As soon is as practicable, and prior to the above, this Phase 1 report should be forwarded to the relevant authorities, in order to ensure they have sufficient time to review and discuss any issues.

6. References

- British Standards Institution (2015), BS5930 2015 + A1:2020: *Code of practice for site investigations*, B.S.I., London.
- British Standards Institution (2007), Amendment No 1 to BS5930: *Code of practice for ground investigations*, B.S.I., London.
- British Standards Institution (2011) +A2:2017, BS 10175: *Investigation of potentially contaminated sites – Code of Practice,* British Standards Institute.
- British Standards Institution (2013), BS 8576 Guidance on Investigations for Ground Gas – Permanent Gases and Volatile Organic Compounds.
- Department for Environment, Food and Rural Affairs and the Environment Agency, DEFRA R&D Publications, Environment Agency, Bristol.
- CLR 2, 1994, *Guidance on preliminary site inspection of contaminated land*, Volume 1.
- CLR 4, 1994, *Sampling Strategies for contaminated land*.
- R&D Publication 66: 2008 Guidance for the Safe Development of Housing on Land Affected by Contamination.
- CIRIA Report C665 (2007), Assessing risks posed by ground gasses in buildings.
- The Environment Agency: Groundwater source protection.

Appendix 1

Site Plans


Queens Rd
Queens Rd
Queens Rd
Queens Ground
CVS Trading
Queens Road
Martin F
Barnsley CVS
Kixx Barnsley
- Metrodome Football...
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Appendix 2

Historical Maps

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

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Printed at:	1:2,500

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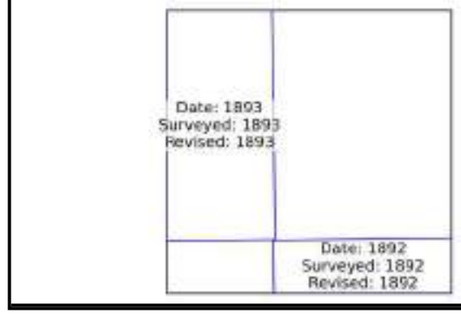

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Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
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Production date:	13 March 2026

Map name:	County Series
Map date:	1892-1893
Scale:	1:2,500
Printed at:	1:2,500

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406700 406600 406500 406400 406300 406200 406100

Harborough Hill
Harborough Hill Cottage
Piper's Cottage
Stone
Swinhill House
Swinhill Cottage
Holgate House
Conservative Club
Bleak House
Queens Gr
Post
Plantation
EAST
WESLEY STREET
BECK RD
COURT NO. 4
C.P. Ward By
GREENWOOD

250m
100m
100m
250m

372 5·491
387 ·712
388 2·413
386 20·278
390 ·506
391 ·354
391 ·157
392 2·220
393 2·290
394 1·597
403 1·766
395 ·057
402 12·158
196 ·268
197 ·331
196 ·290

0m 100m

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Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
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Report ref:	GS-KLS-ISW-HPL-FIQ
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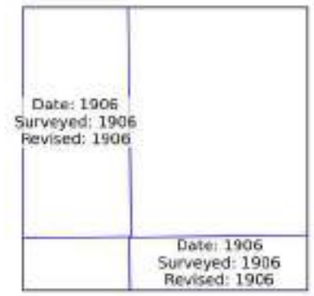

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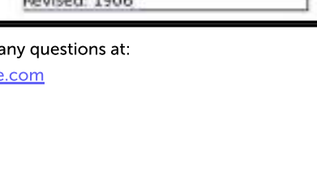

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Date: 1961 Surveyed: 1960 Revised: 1960 Copyright: 1961 Levelled: 1930	Date: 1961 Surveyed: 1960 Revised: 1960 Copyright: 1961 Levelled: 1930

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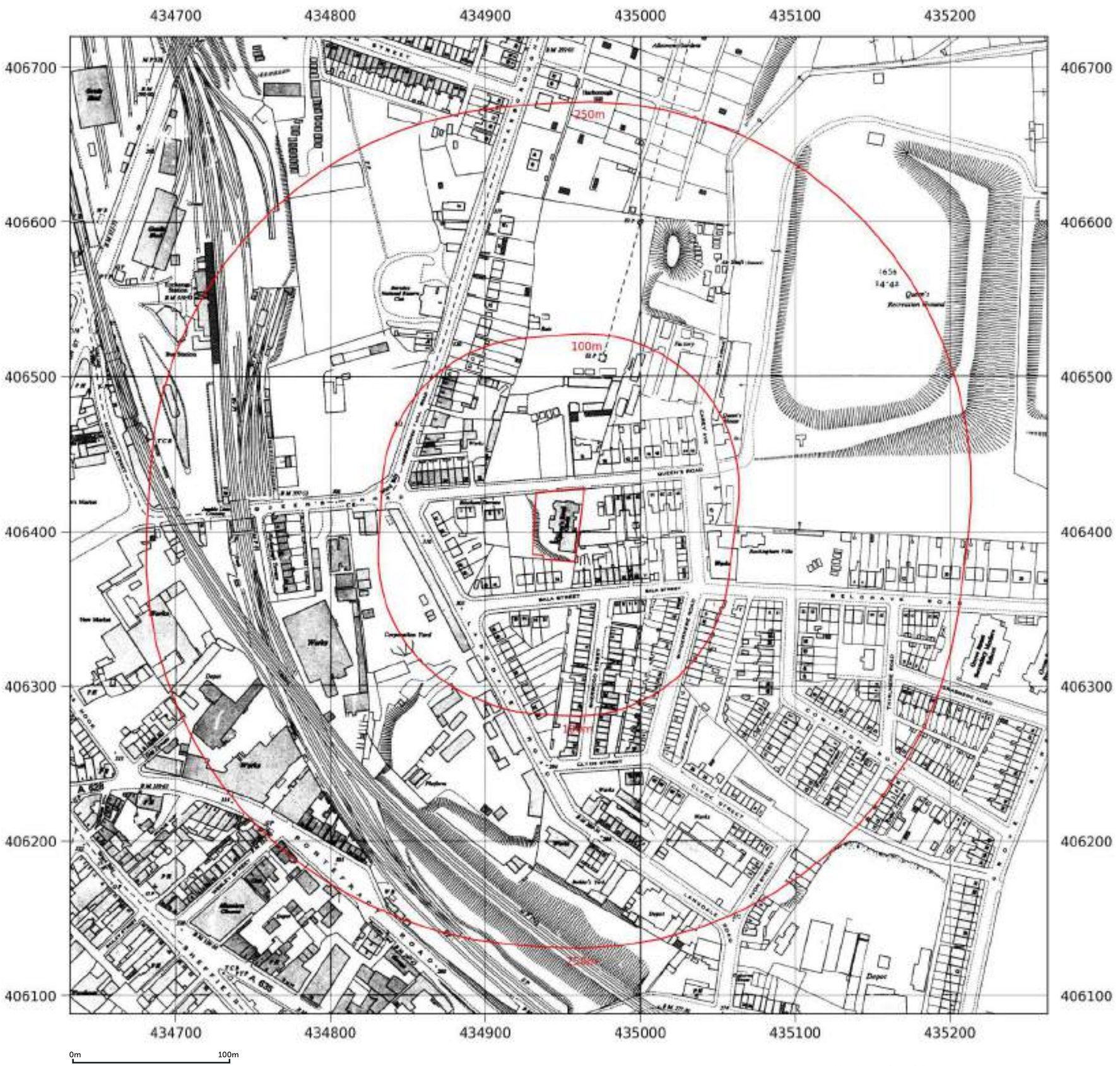

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Revised: 1960
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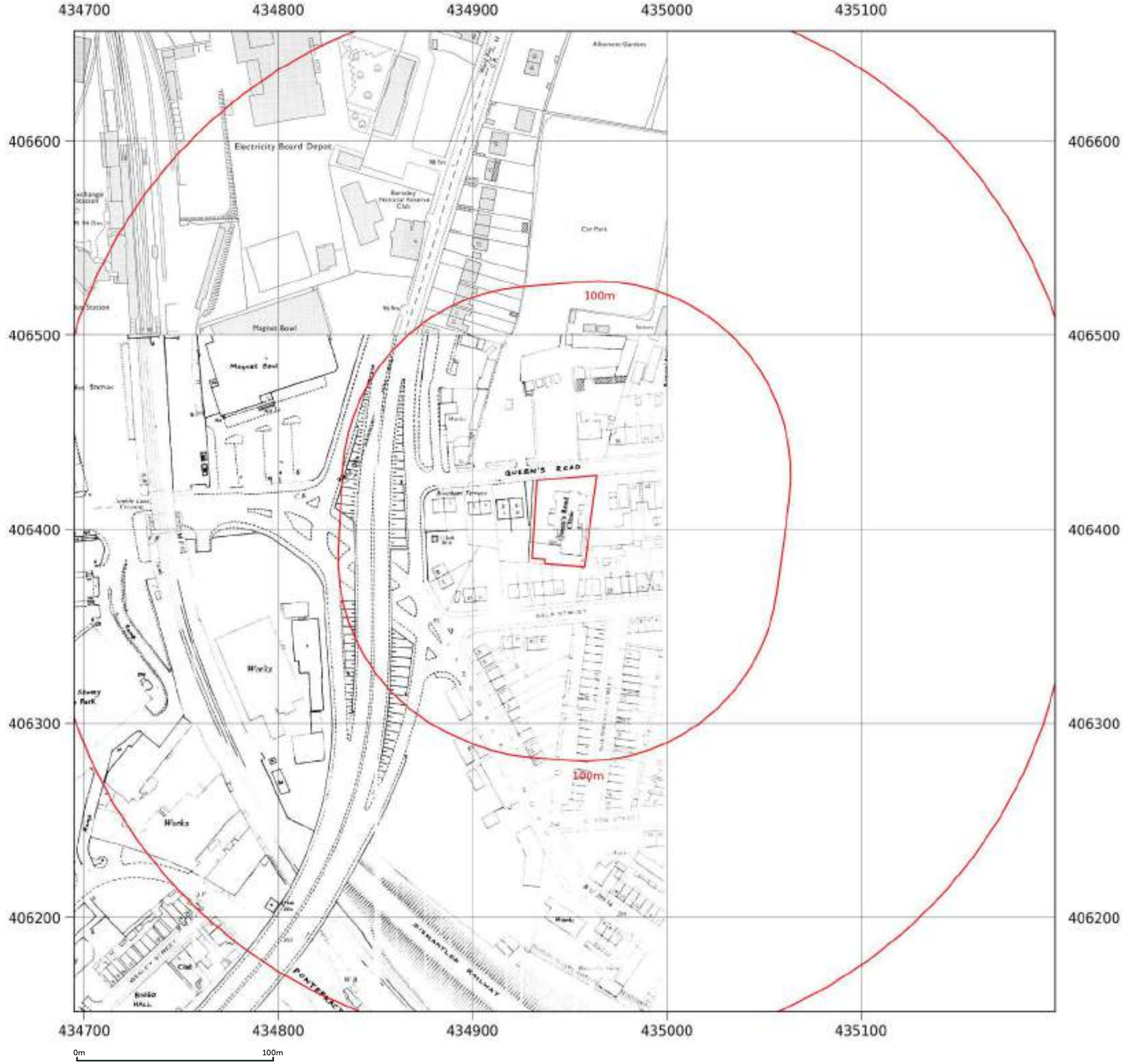

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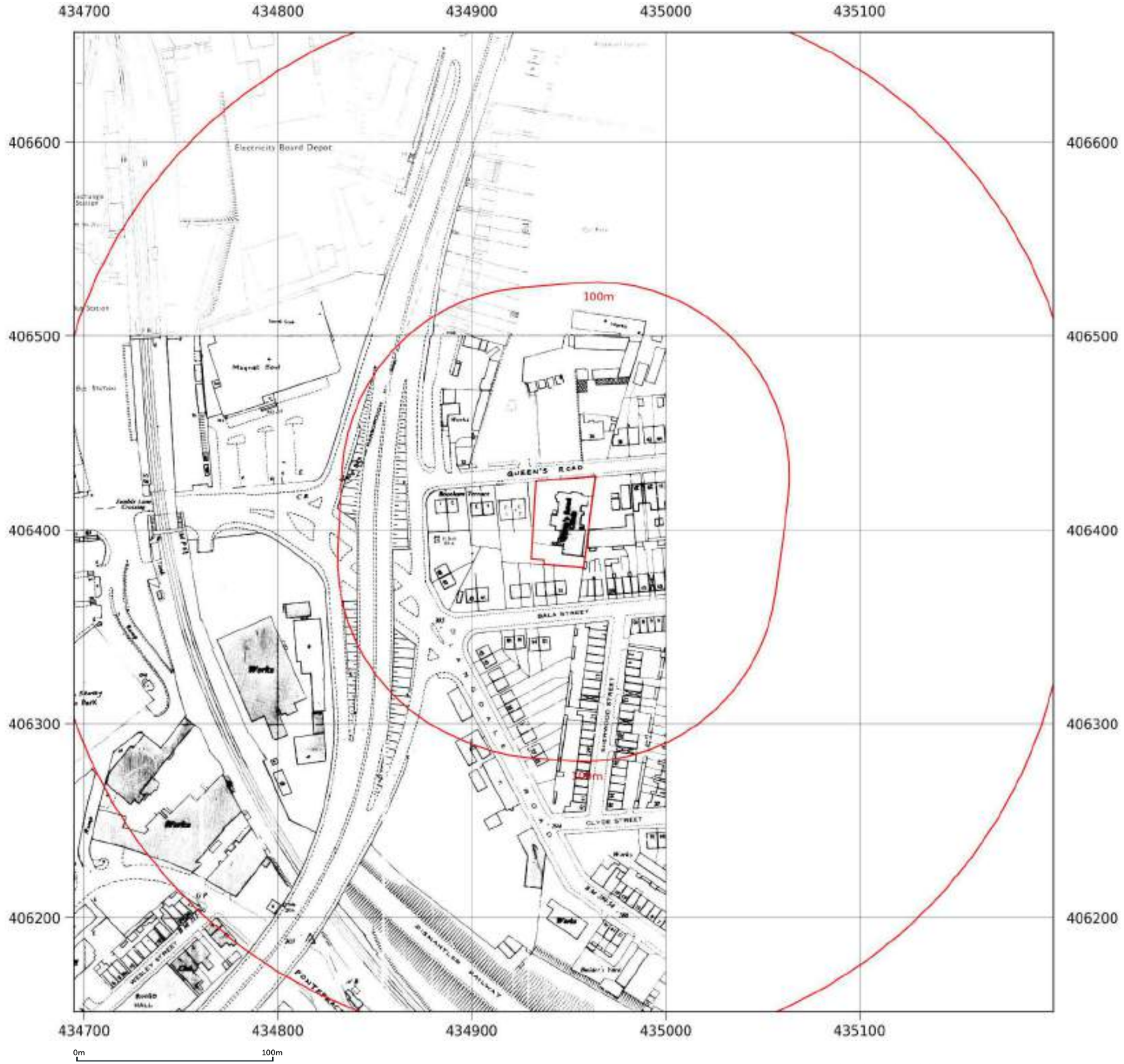

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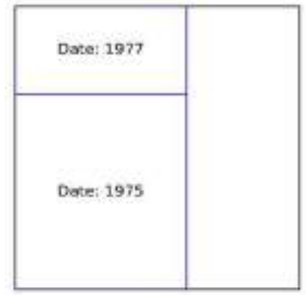

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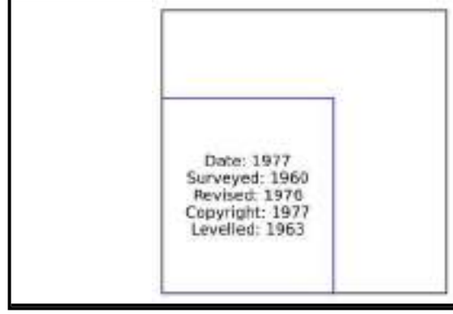

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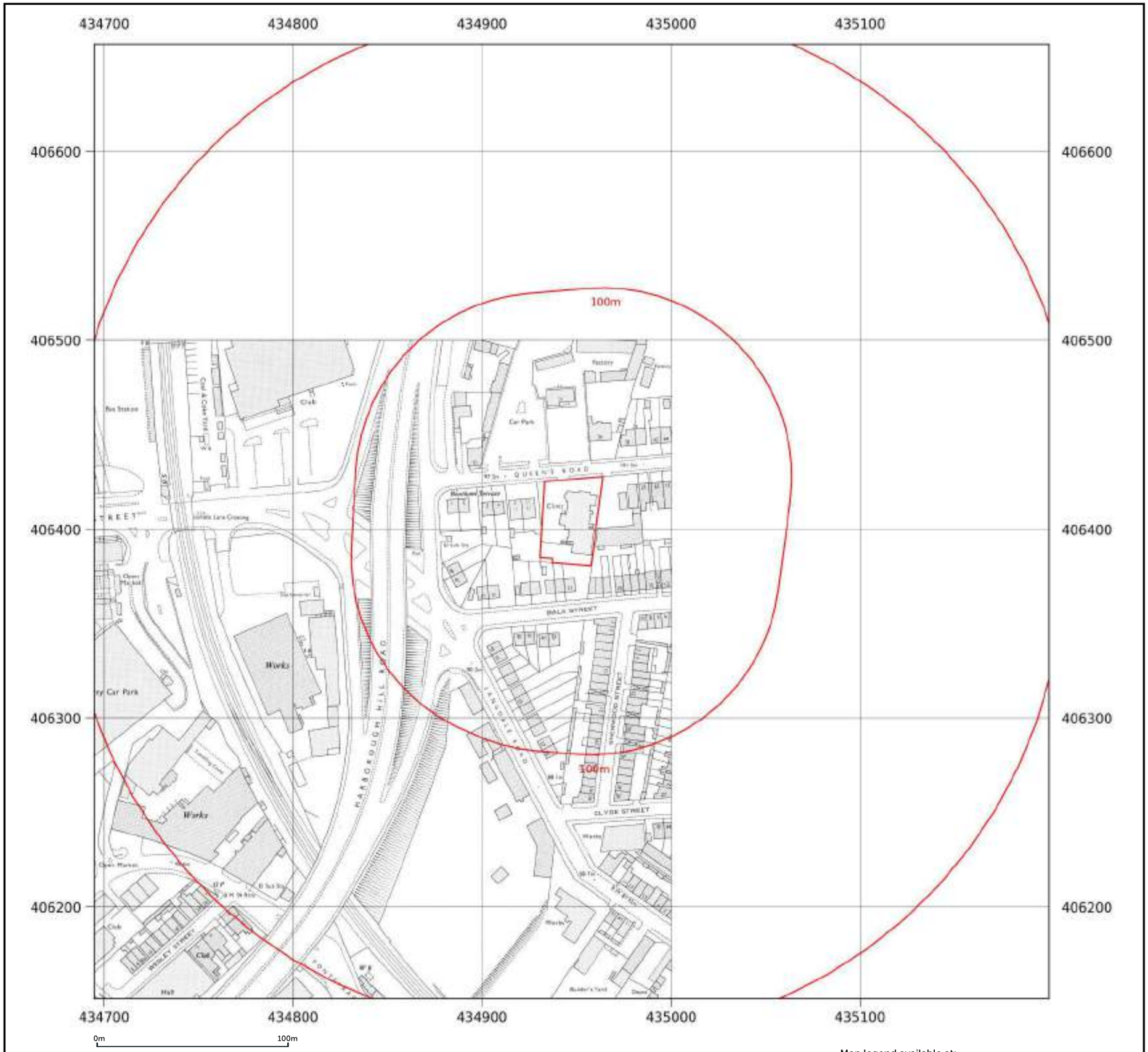

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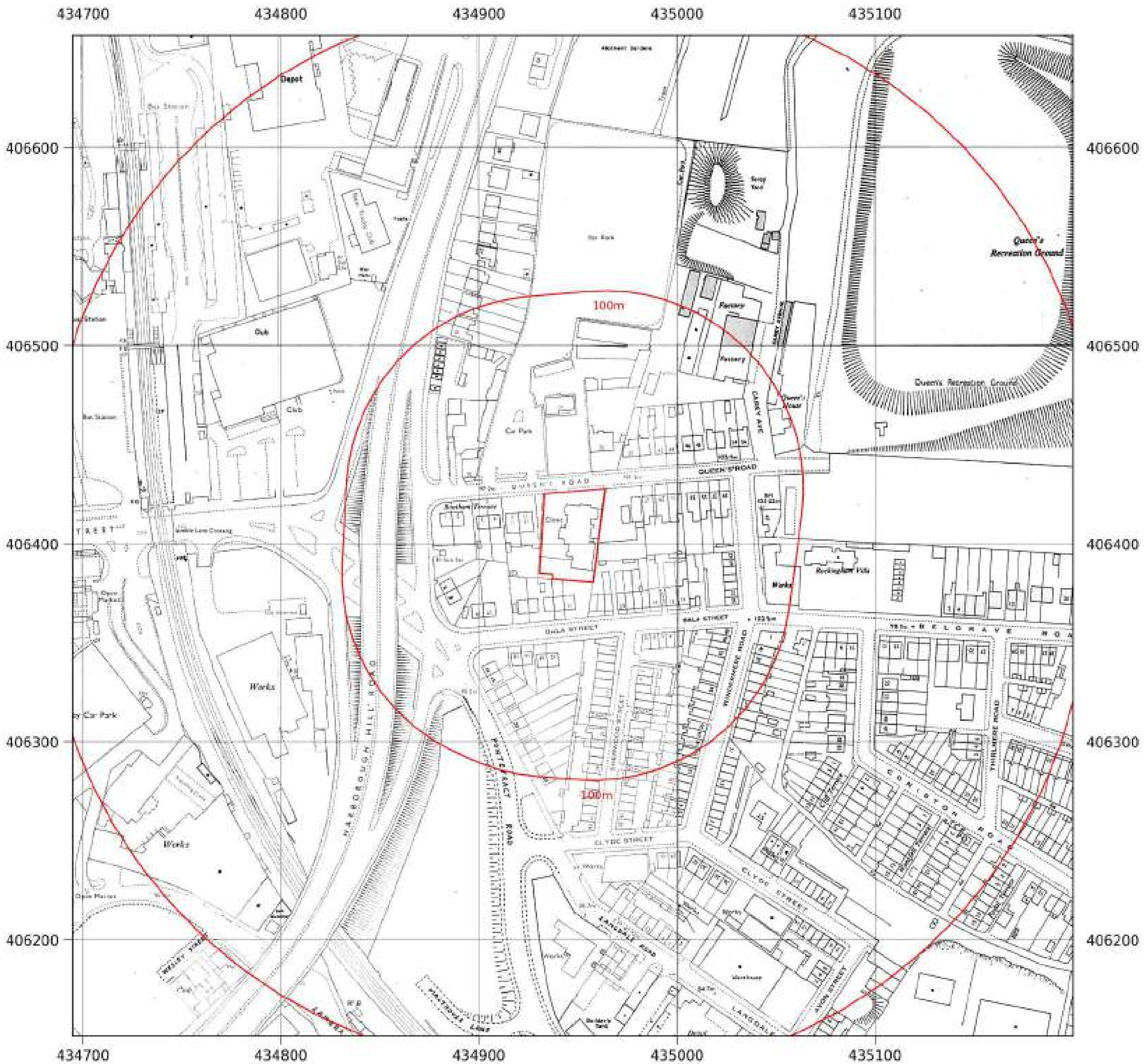

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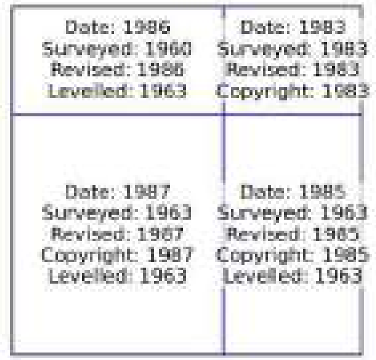

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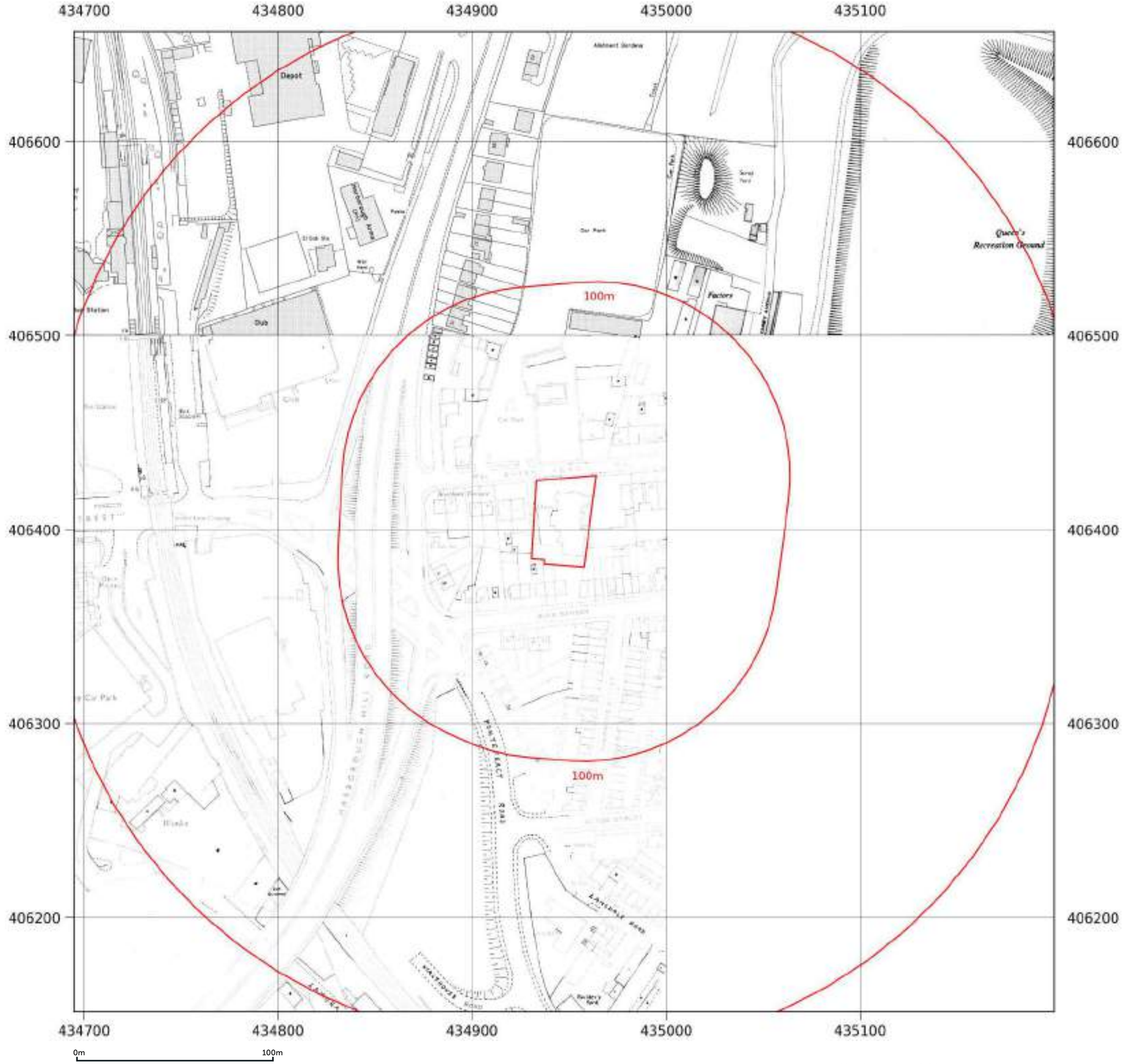

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Date: 1987 Surveyed: 1960 Revised: 1986 Copyright: 1987 Levelled: 1963	Date: 1989 Surveyed: 1963 Revised: 1989 Copyright: 1989 Levelled: 1963
Date: 1991 Copyright: 1991 Levelled: 1963	

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Client ref:	C/5856/26/E/9093 - PO-3752
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Scale:	1:1,250
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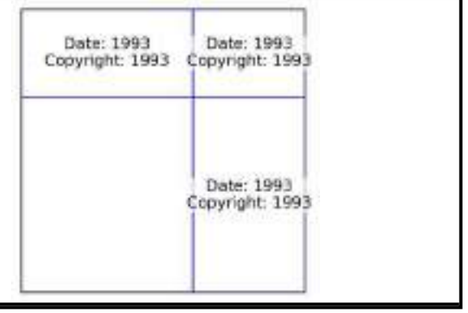

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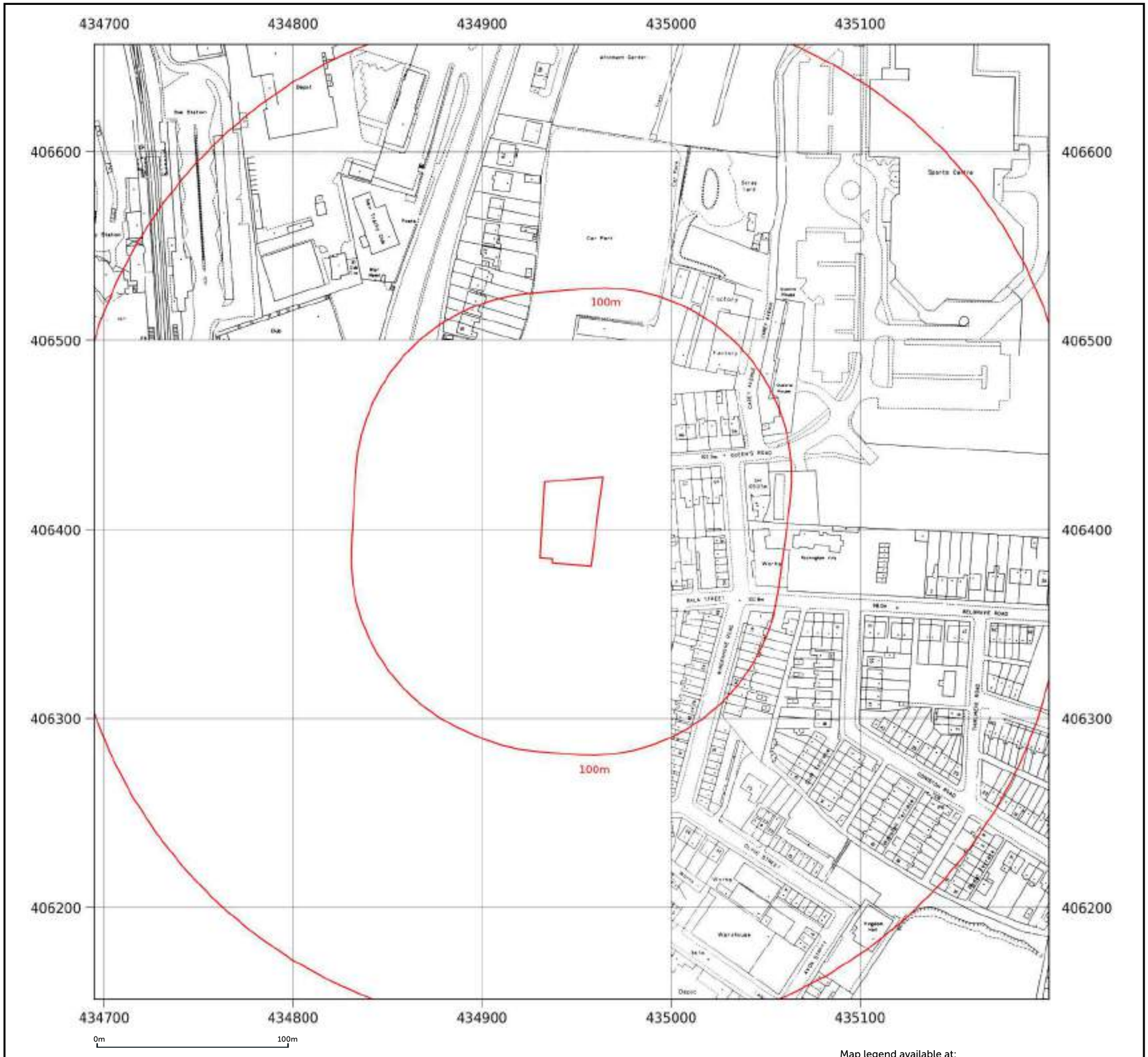

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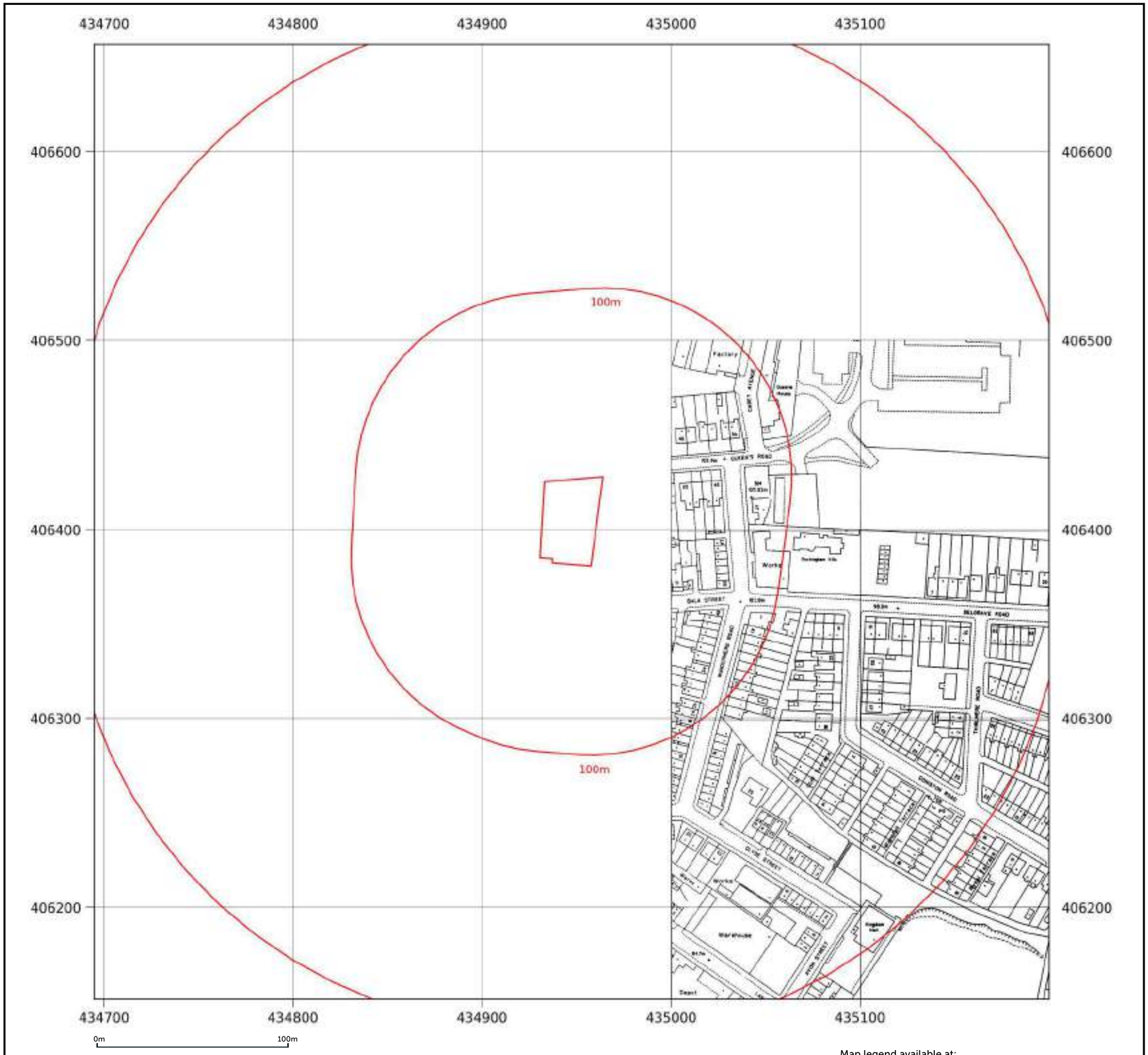

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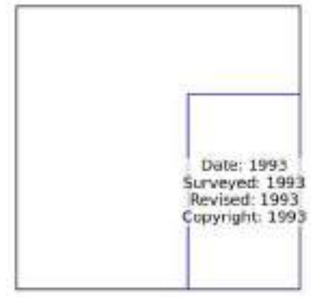

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Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	LandLine
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Date: 2003

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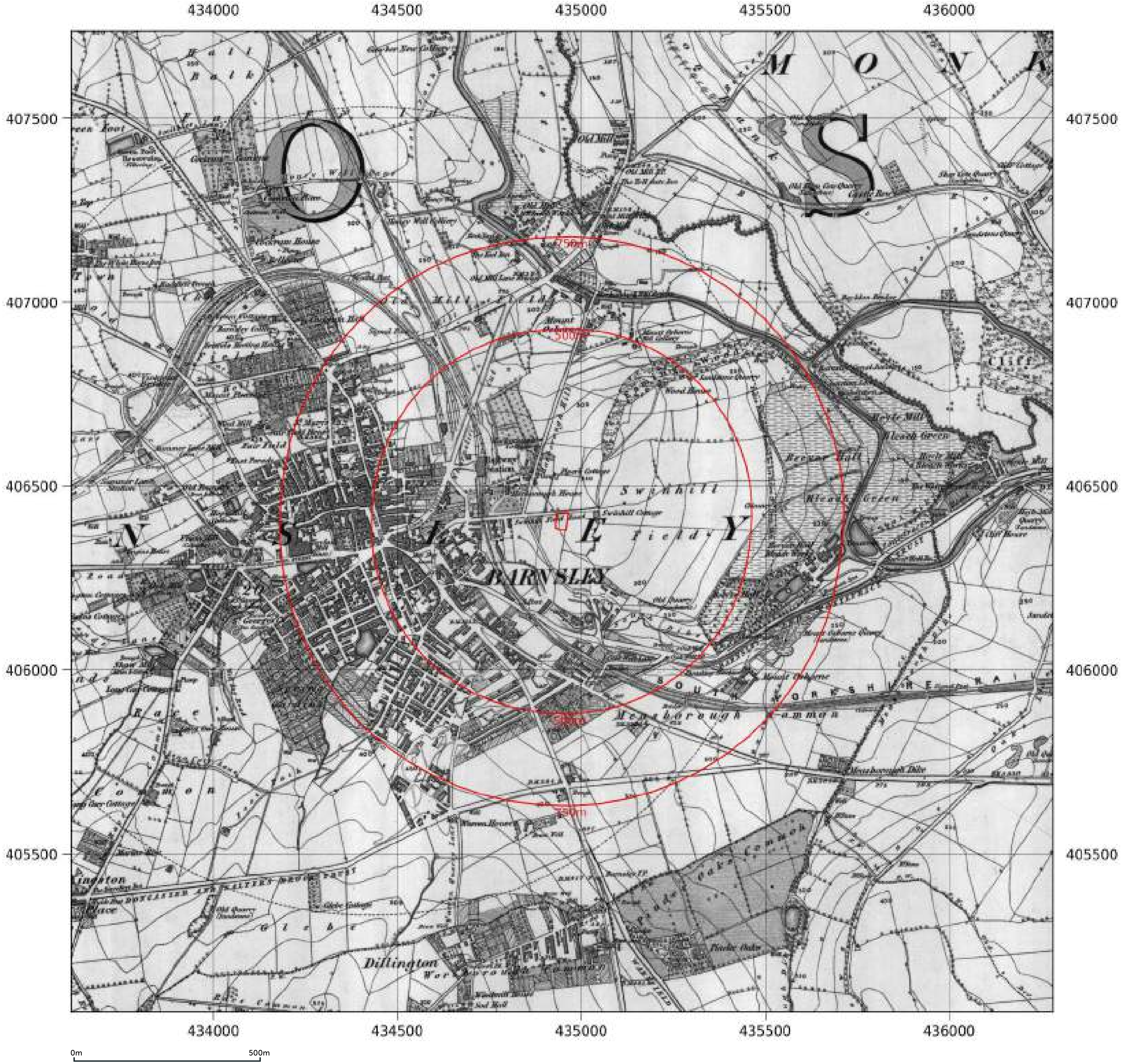

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Map Insight

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Production date:	13 March 2026

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Date: 1855
Surveyed: 1851
Edition: 1855

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01273 257 755

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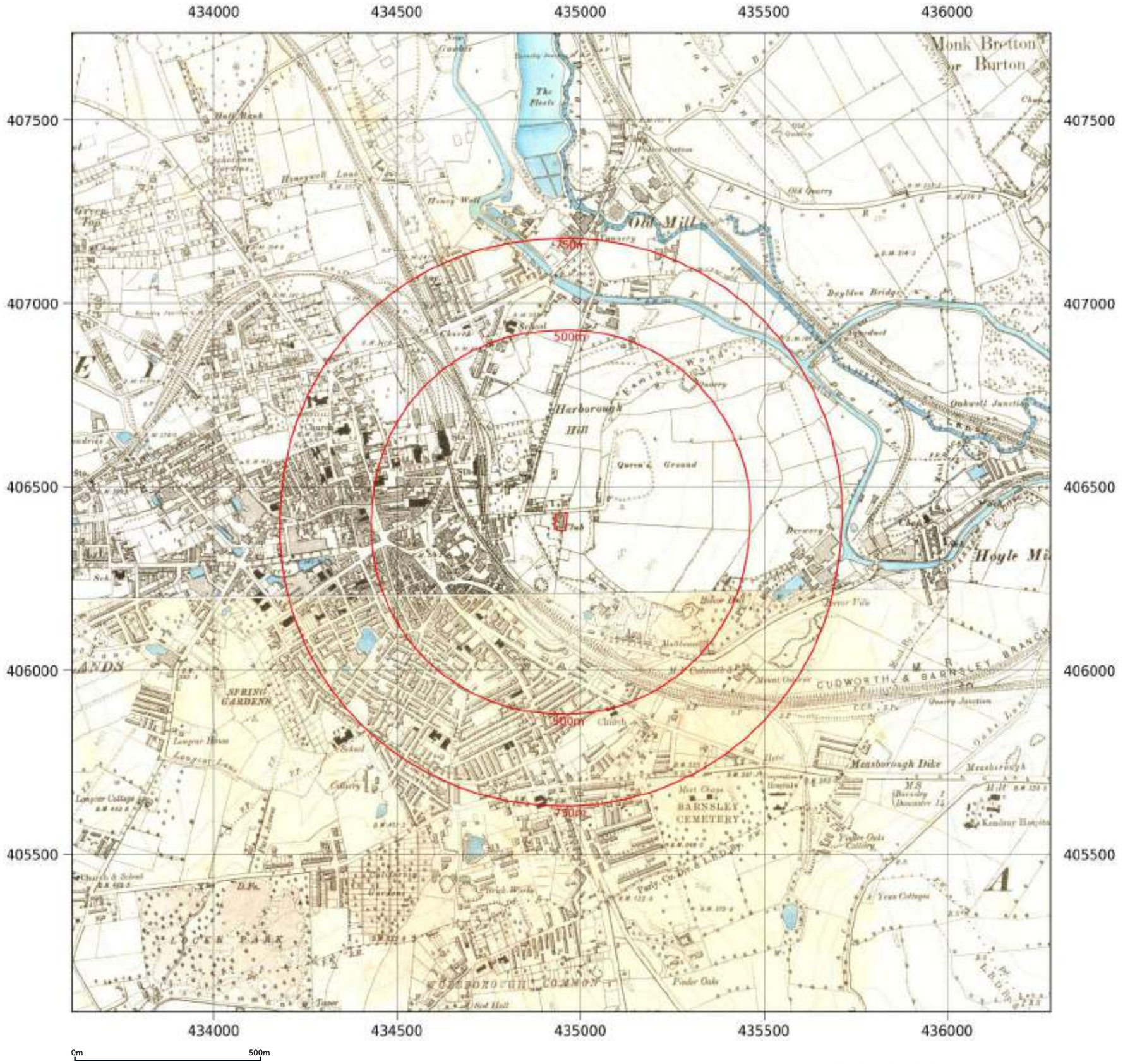

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	County Series
Map date:	1890
Scale:	1:10,560
Printed at:	1:10,560

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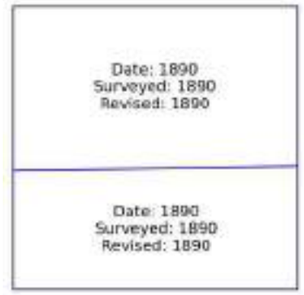

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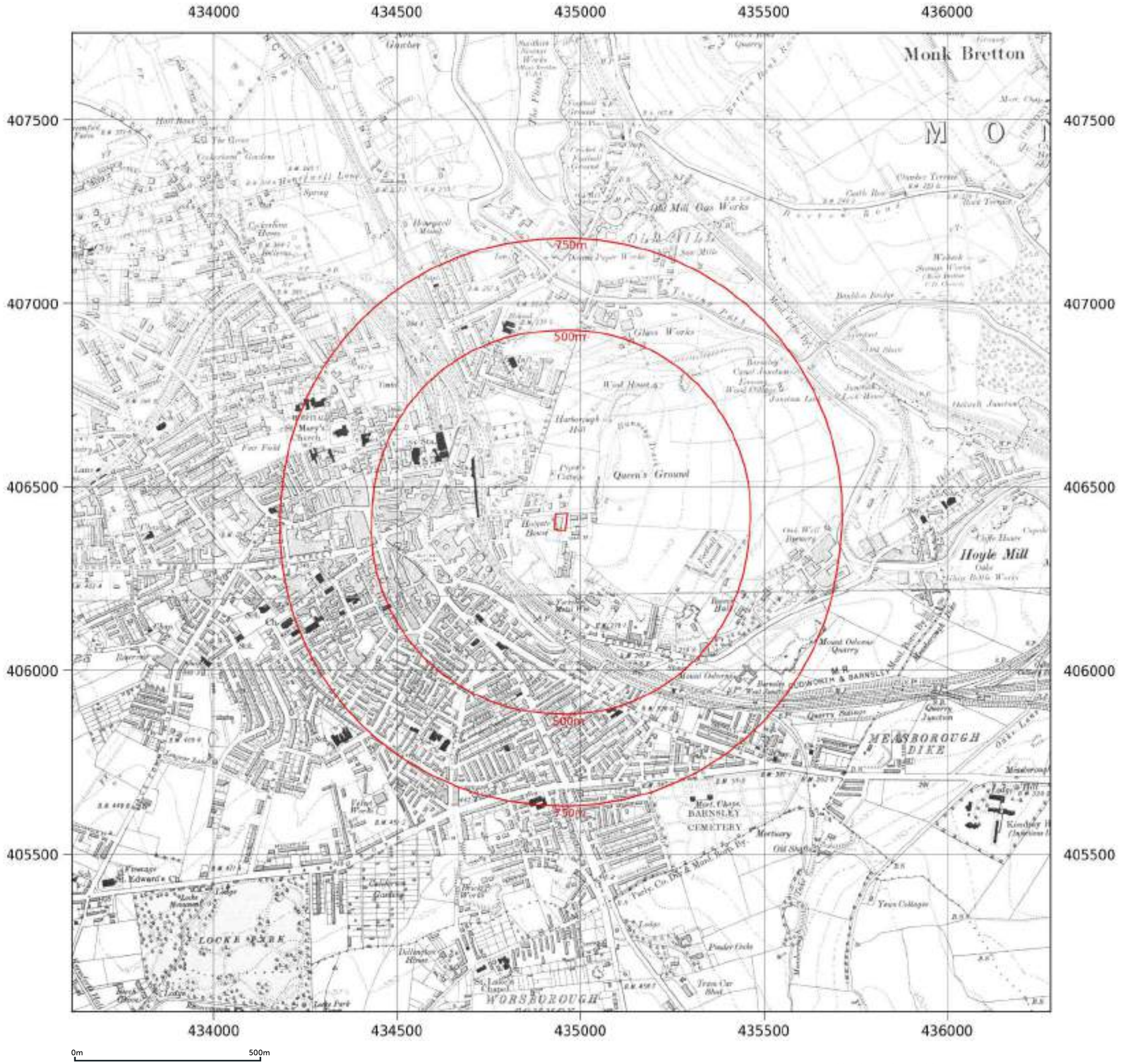

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	County Series
Map date:	1904
Scale:	1:10,560
Printed at:	1:10,560

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Date: 1904
Surveyed: 1891
Revised: 1904

Date: 1904
Surveyed: 1890
Revised: 1904

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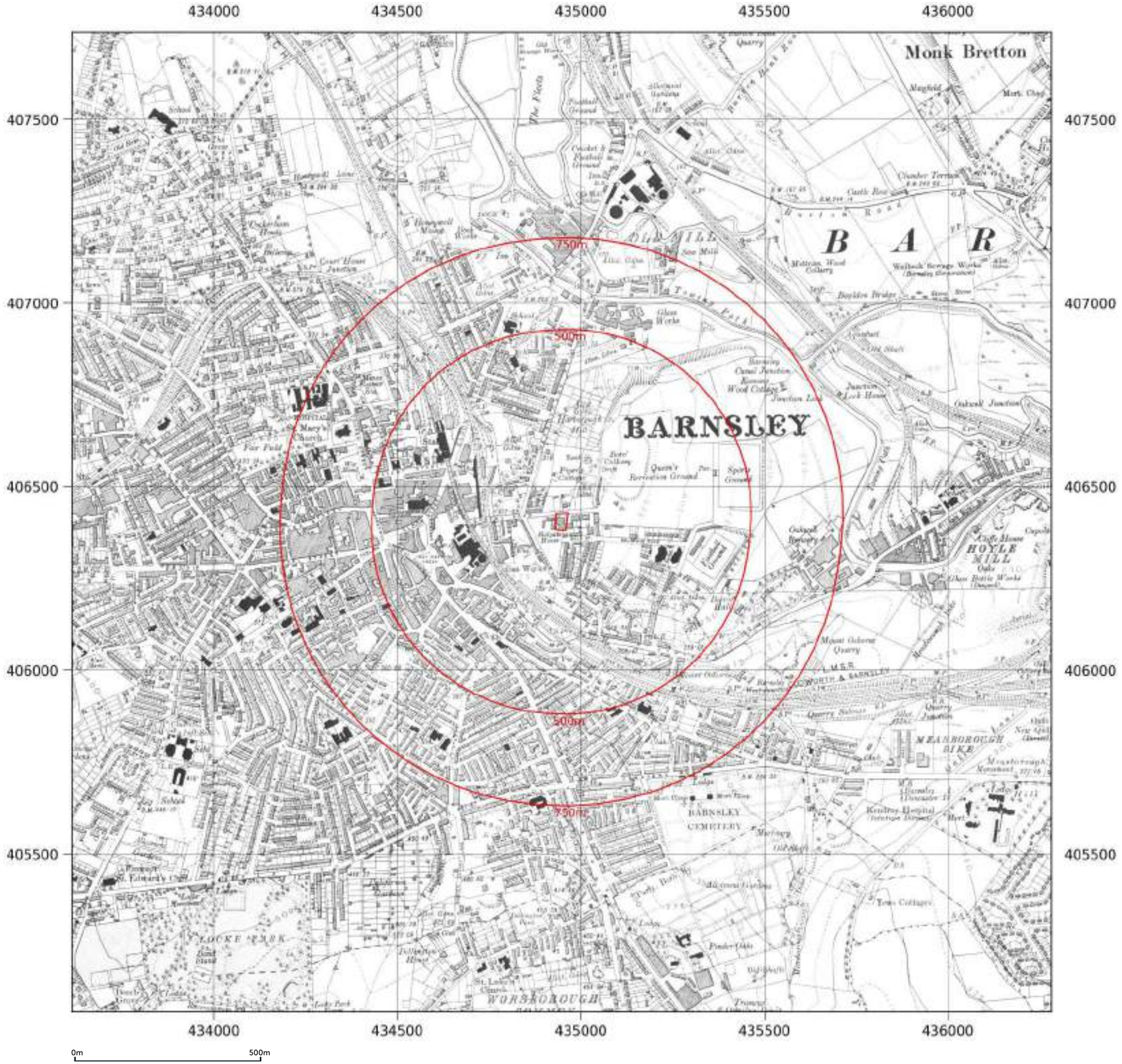

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	County Series
Map date:	1929
Scale:	1:10,560
Printed at:	1:10,560

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Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	County Series
Map date:	1938
Scale:	1:10,560
Printed at:	1:10,560

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Date: 1938
Surveyed: 1851
Revised: 1938
Edition: 1938

Date: 1938
Surveyed: 1851
Revised: 1938

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434000 434500 435000 435500 436000

407500 407000 406500 406000 405500

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Map legend available at:
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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	County Series
Map date:	1948
Scale:	1:10,560
Printed at:	1:10,560

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Date: 1948
Surveyed: 1851
Revised: 1948

Date: 1948
Surveyed: 1851
Revised: 1948
Edition: 1948

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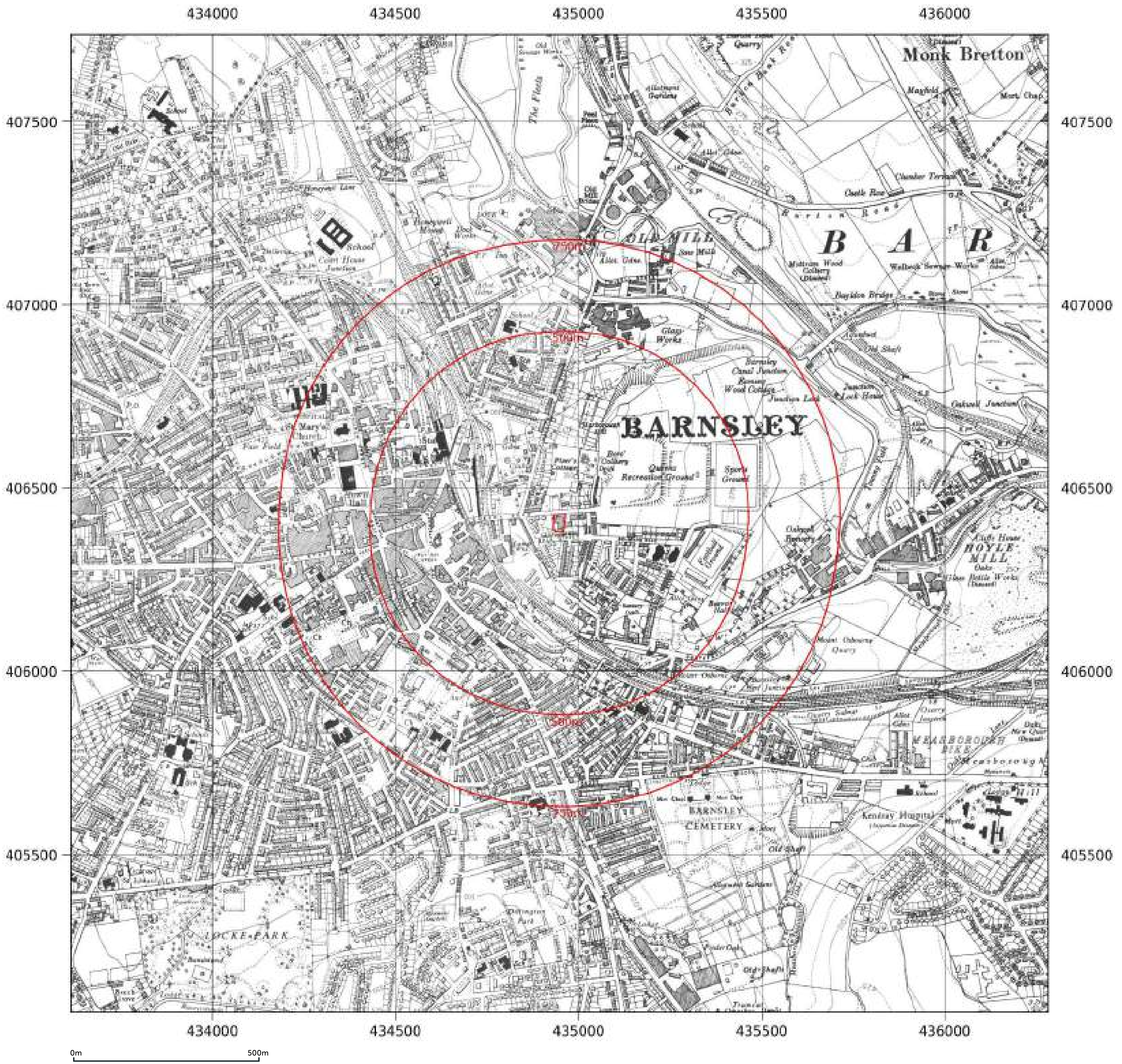

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	Provisional
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Printed at:	1:10,560

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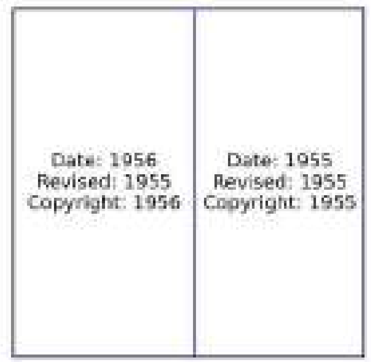

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LOCATION INTELLIGENCE

Ordnance Survey Licensed Data

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	Provisional
Map date:	1966
Scale:	1:10,560
Printed at:	1:10,560

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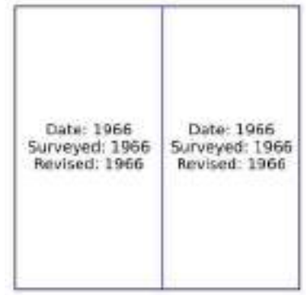

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LOCATION INTELLIGENCE

Ordnance Survey
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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	National Grid
Map date:	1973-1974
Scale:	1:10,000
Printed at:	1:10,000

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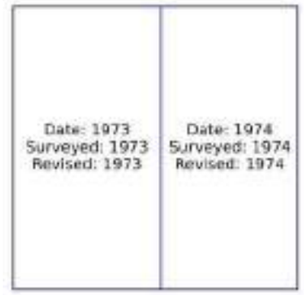

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LOCATION INTELLIGENCE

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Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	National Grid
Map date:	1982
Scale:	1:10,000
Printed at:	1:10,000

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Date: 1982 Surveyed: 1982 Revised: 1982	Date: 1982 Surveyed: 1981 Revised: 1982

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434000 434500 435000 435500 436000

407500 407000 406500 406000 405500

750m
500m
250m

Old Mill
Hoyle Mill
Measborough Dike
HONEYWELL
SHAWS LANDS

0m 500m

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

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LOCATION INTELLIGENCE

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Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	National Grid
Map date:	1992-1993
Scale:	1:10,000
Printed at:	1:10,000

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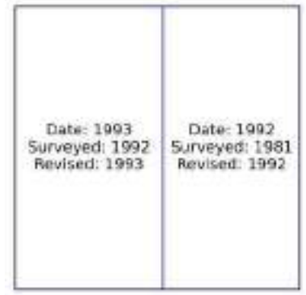

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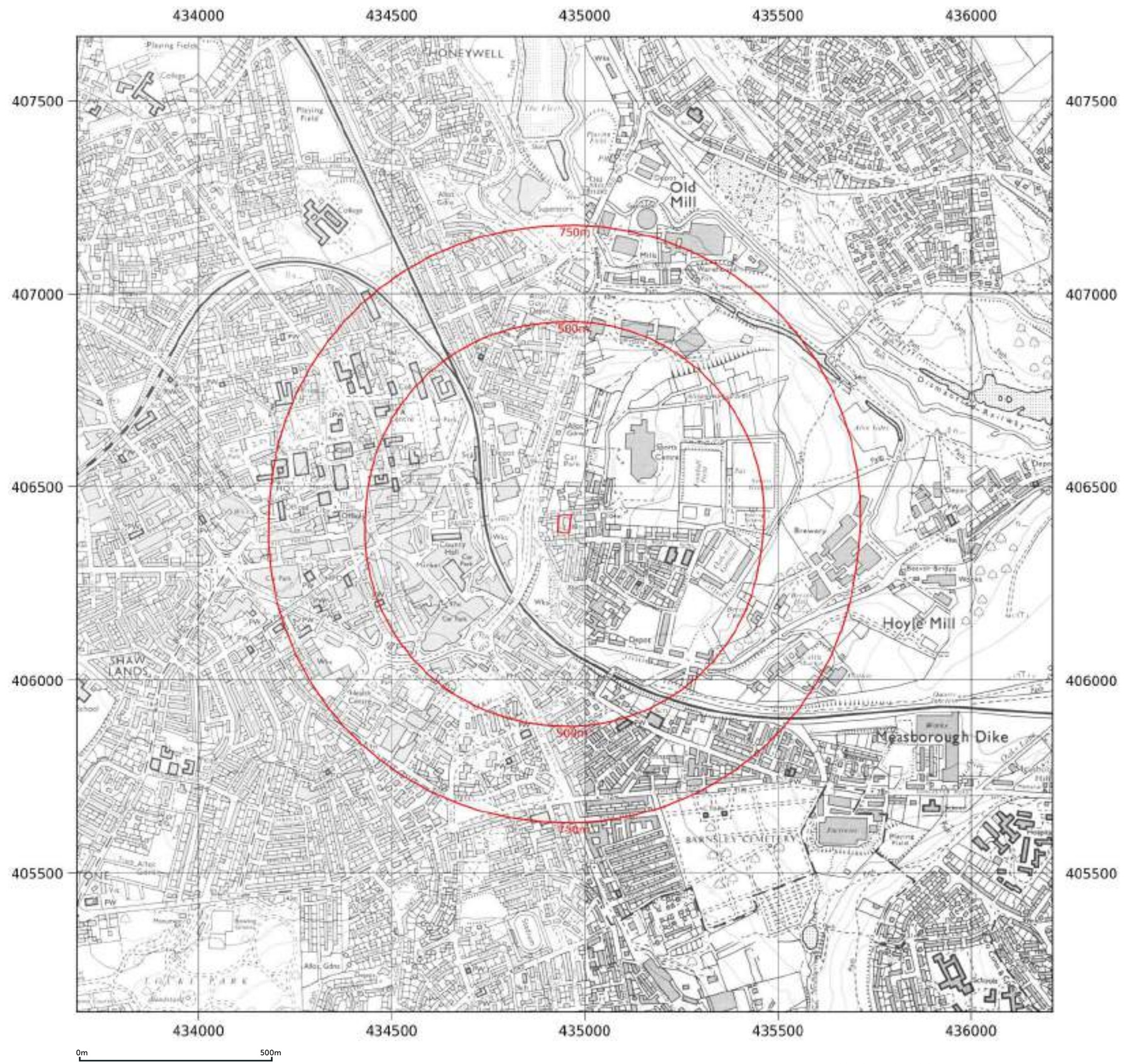

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

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LOCATION INTELLIGENCE

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Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	National Grid
Map date:	2001
Scale:	1:10,000
Printed at:	1:10,000

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Date: 2001 | Date: 2001

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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Groundsure LOCATION INTELLIGENCE

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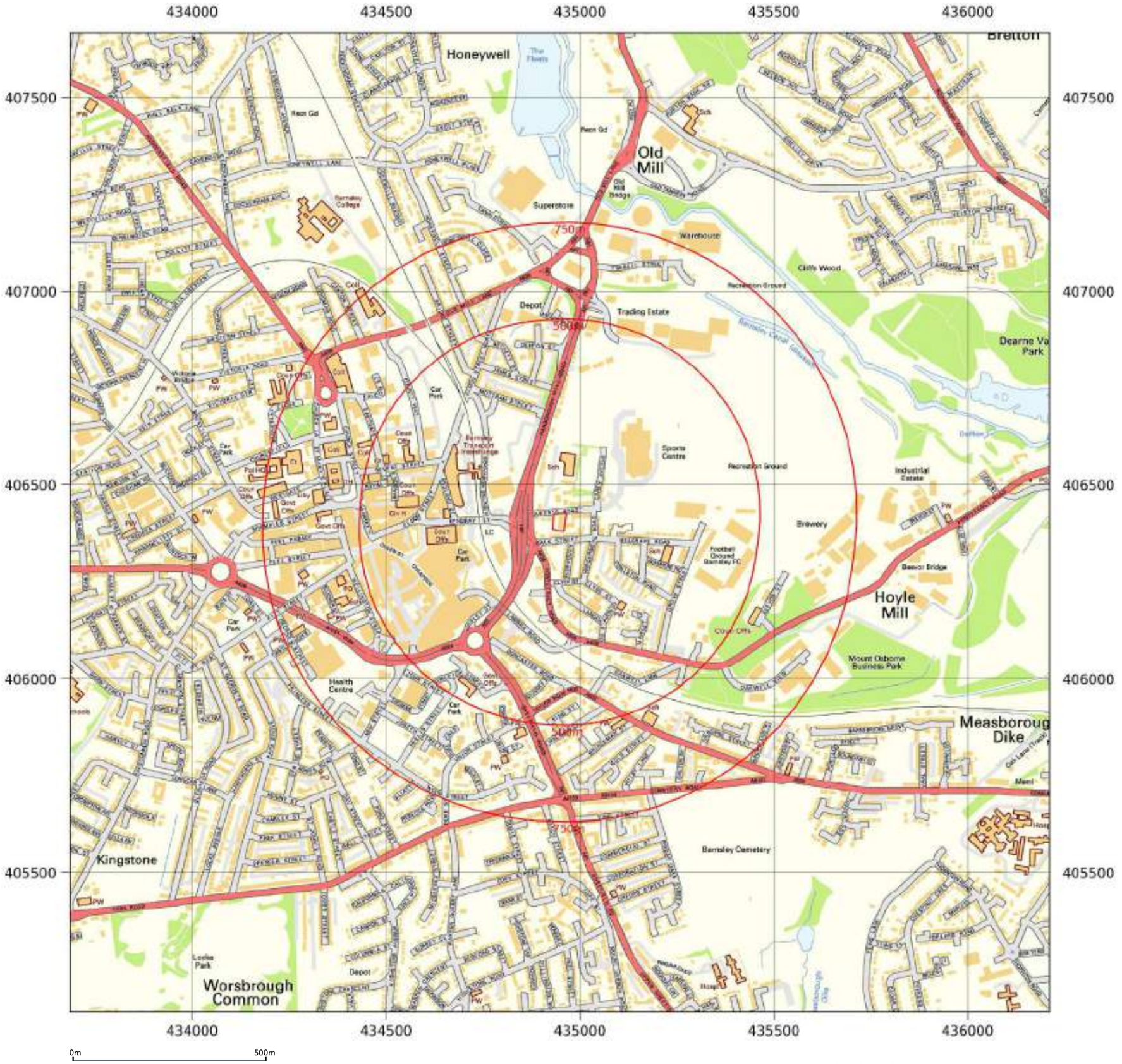

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	National Grid
Map date:	2010
Scale:	1:10,000
Printed at:	1:10,000

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Date: 2010 | Date: 2010

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LOCATION INTELLIGENCE

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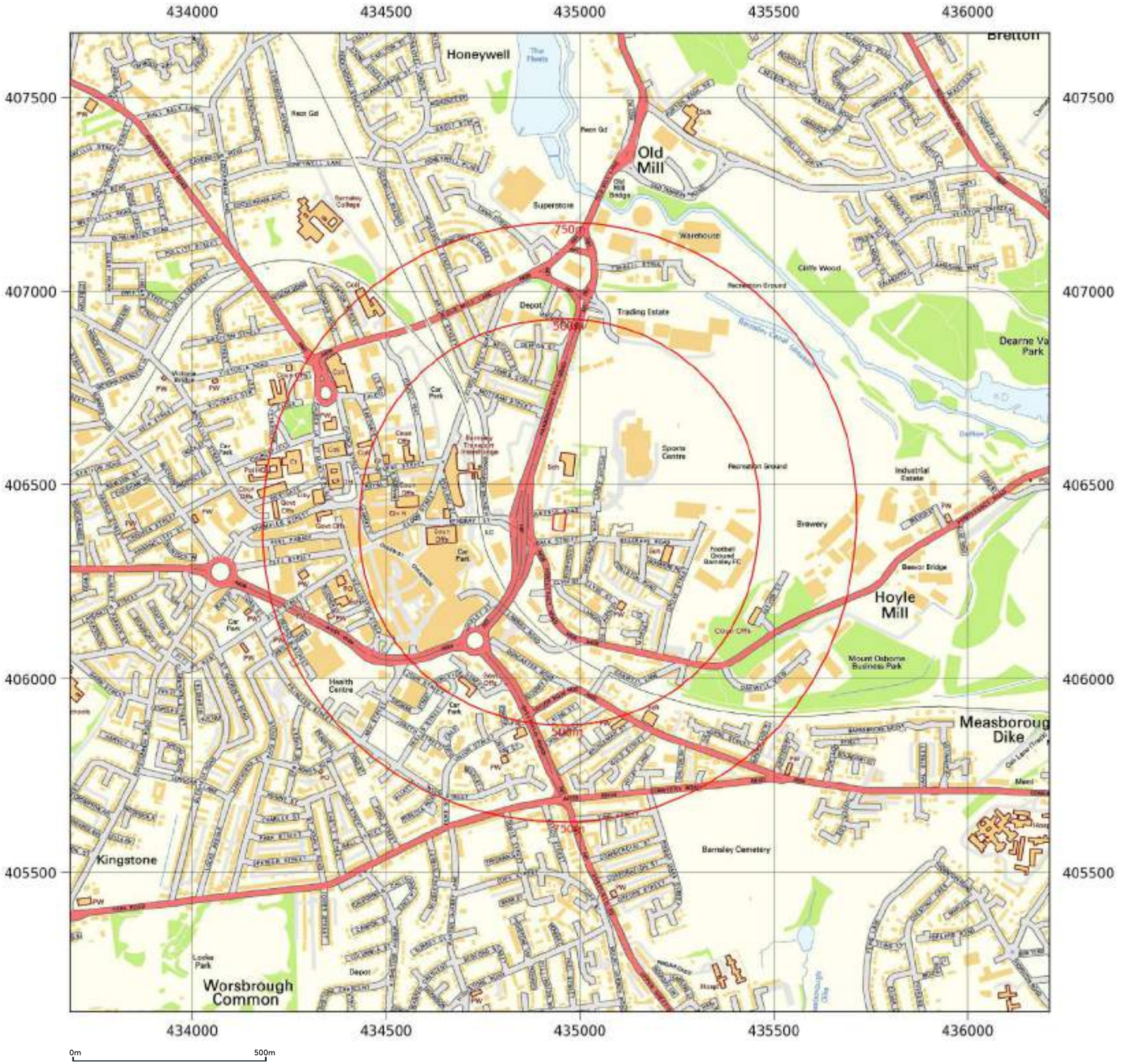

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	National Grid
Map date:	2015
Scale:	1:10,000
Printed at:	1:10,000

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Date: 2015 | Date: 2015

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LOCATION INTELLIGENCE

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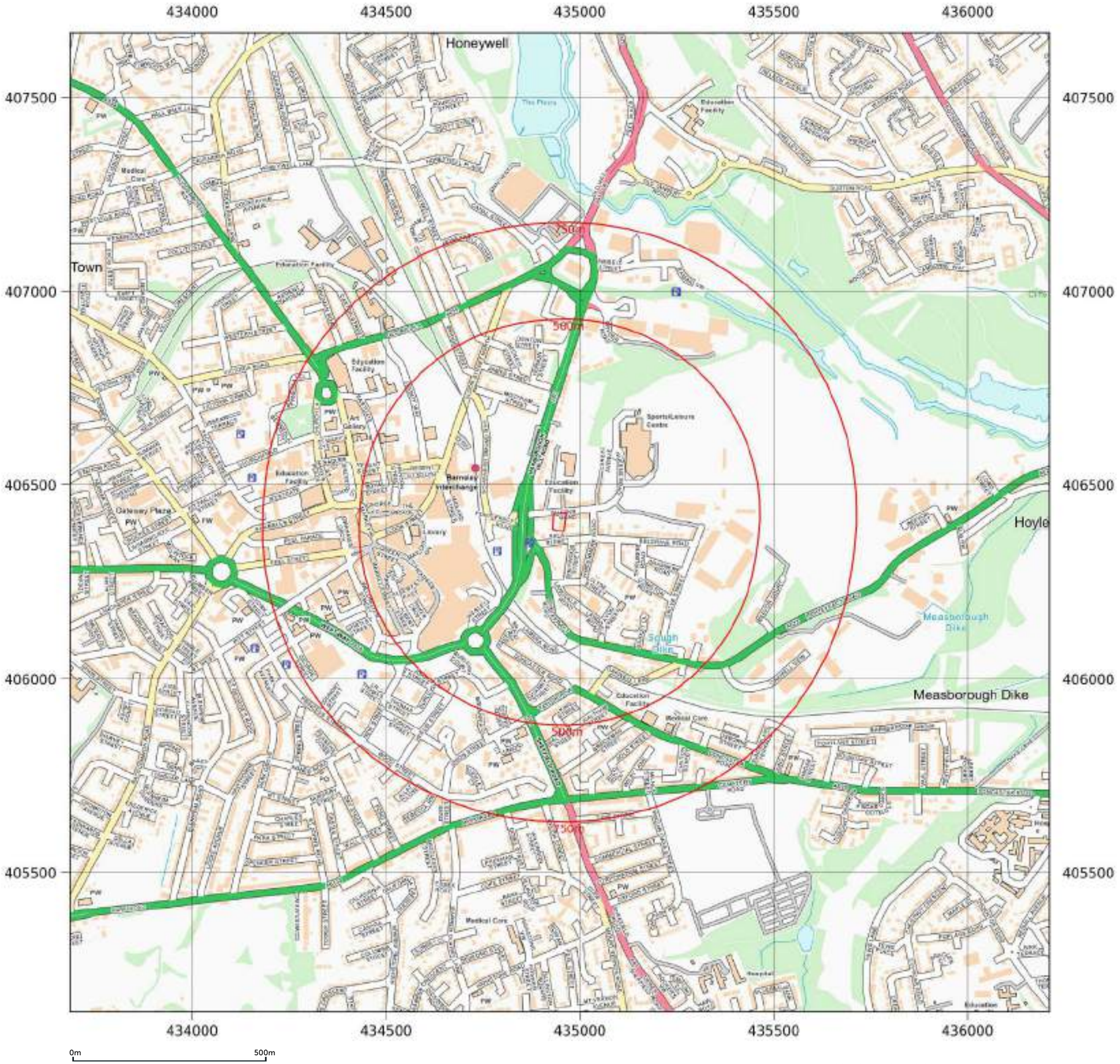

Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Map Insight

Site details:	23, QUEENS ROAD, BARNSLEY, S71 1AN
Client ref:	C/5856/26/E/9093 - PO-3752
Report ref:	GS-KLS-ISW-HPL-FIQ
Grid ref:	434946.67, 406404.69
Production date:	13 March 2026

Map name:	National Grid
Map date:	2025
Scale:	1:10,000
Printed at:	1:10,000

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Date: 2025 | Date: 2025

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LOCATION INTELLIGENCE

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Appendix 3

Groundsure Reports

Groundsure
LOCATION INTELLIGENCE

Enviro+Geo Insight

23, QUEENS ROAD, BARNSLEY, S71 1AN

Order Details

Date: 13/03/2026

Your ref: C/5856/26/E/9093 - PO-3752

Our Ref: GS-JZH-AFU-4ED-F4F

Site Details

Location: 434946 406404

Area: 0.13 ha

Authority: Barnsley Metropolitan Borough Council ↗

Site plan

Quick Links

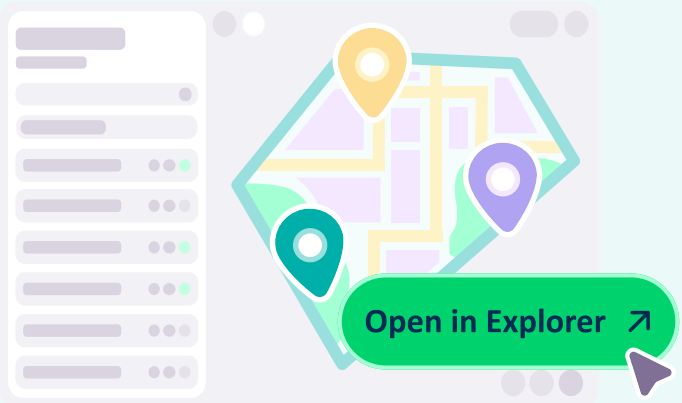
Insight User Guide ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



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info@groundsure.com ↗
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Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	77	73	-
21 >	1.2 >	Historical tanks >	0	0	9	4	-
22 >	1.3 >	Historical energy features >	0	4	13	28	-
24	1.4	Historical petrol stations	0	0	0	0	-
24 >	1.5 >	Historical garages >	0	0	0	30	-
25	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
26 >	2.1 >	Historical industrial land uses >	0	0	101	93	-
34 >	2.2 >	Historical tanks >	0	0	14	5	-
35 >	2.3 >	Historical energy features >	0	4	19	51	-
38	2.4	Historical petrol stations	0	0	0	0	-
38 >	2.5 >	Historical garages >	0	0	0	46	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
41	3.1	Active or recent landfill	0	0	0	0	-
41	3.2	Historical landfill (BGS records)	0	0	0	0	-
42	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
42 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	2	-
42 >	3.5 >	Historical waste sites >	0	0	3	1	-
43 >	3.6 >	Licensed waste sites >	0	0	0	1	-
44 >	3.7 >	Waste exemptions >	0	1	0	10	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
45 >	4.1 >	Recent industrial land uses >	0	3	16	-	-
47 >	4.2 >	National Geographic Database (NGD) - Current or recent tanks >	0	0	1	-	-
47 >	4.3 >	Current or recent petrol stations >	0	0	0	2	-
47	4.4	Electricity cables	0	0	0	0	-
48	4.5	Gas pipelines	0	0	0	0	-

48	4.6	Sites determined as Contaminated Land	0	0	0	0	-
48	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
48	4.8	Regulated explosive sites	0	0	0	0	-
48	4.9	Hazardous substance storage/usage	0	0	0	0	-
49	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
49	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
49 >	**4.12 >**	**Licensed pollutant release (Part A(2)/B) >**	0	0	0	4	-
50	4.13	Radioactive Substance Authorisations	0	0	0	0	-
50 >	**4.14 >**	**Licensed Discharges to controlled waters >**	0	0	3	8	-
52	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
52	4.16	Pollutant release to public sewer	0	0	0	0	-
52	4.17	List 1 Dangerous Substances	0	0	0	0	-
52	4.18	List 2 Dangerous Substances	0	0	0	0	-
52 >	**4.19 >**	**Pollution Incidents (EA/NRW) >**	0	0	0	1	-
53	4.20	Pollution inventory substances	0	0	0	0	-
53	4.21	Pollution inventory waste transfers	0	0	0	0	-
53	4.22	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
54	5.1	Superficial aquifer	None (within 500m)				
55 >	**5.2 >**	**Bedrock aquifer >**	Identified (within 500m)				
57 >	**5.3 >**	**Groundwater vulnerability >**	Identified (within 50m)				
58	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
58	5.5	Groundwater vulnerability- local information	None (within 0m)				
59 >	**5.6 >**	**Groundwater abstractions >**	0	0	0	1	4
61 >	**5.7 >**	**Surface water abstractions >**	0	0	0	0	4
62 >	**5.8 >**	**Potable abstractions >**	0	0	0	0	4
63	5.9	Source Protection Zones	0	0	0	0	-
64	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	**Hydrology >**	On site	0-50m	50-250m	250-500m	500-2000m

65 >	6.1 >	Water Network (OS MasterMap) >	0	0	1	-	-
66	6.2	Surface water features	0	0	0	-	-
66 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
66 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
67 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
68	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
68	7.2	Historical Flood Events	0	0	0	-	-
68	7.3	Flood Defences	0	0	0	-	-
69	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
69	7.5	Flood Storage Areas	0	0	0	-	-
70	7.6	Flood Zone 2	None (within 50m)				
70	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
71	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
72 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
73	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
74	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
74	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
74	10.4	Special Protection Areas (SPA)	0	0	0	0	0
74	10.5	National Nature Reserves (NNR)	0	0	0	0	0
75 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
75 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	3
75	10.8	Biosphere Reserves	0	0	0	0	0
76	10.9	Forest Parks	0	0	0	0	0
76	10.10	Marine Conservation Zones	0	0	0	0	0
76 >	10.11 >	Green Belt >	0	0	0	0	2

76	10.12	Proposed Ramsar sites	0	0	0	0	0
77	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
77	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
77	10.15	Nitrate Sensitive Areas	0	0	0	0	0
77 >	10.16 >	Nitrate Vulnerable Zones >	1	0	0	1	2
79 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
80	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
81	11.1	World Heritage Sites	0	0	0	-	-
81	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
81	11.3	National Parks	0	0	0	-	-
81	11.4	Listed Buildings	0	0	0	-	-
82	11.5	Conservation Areas	0	0	0	-	-
82	11.6	Scheduled Ancient Monuments	0	0	0	-	-
82	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
83 >	12.1 >	Agricultural Land Classification >	Urban (within 250m)				
84	12.2	Open Access Land	0	0	0	-	-
84	12.3	Tree Felling Licences	0	0	0	-	-
84	12.4	Environmental Stewardship Schemes	0	0	0	-	-
84	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
85	13.1	Priority Habitat Inventory	0	0	0	-	-
85	13.2	Habitat Networks	0	0	0	-	-
85	13.3	Open Mosaic Habitat	0	0	0	-	-
85	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
86 >	14.1 >	10k Availability >	Identified (within 500m)				
87 >	14.2 >	Artificial and made ground (10k) >	0	0	2	9	-

89	14.3	Superficial geology (10k)	0	0	0	0	-
89	14.4	Landslip (10k)	0	0	0	0	-
90 >	14.5 >	Bedrock geology (10k) >	3	2	5	9	-
91 >	14.6 >	Bedrock faults and other linear features (10k) >	1	0	9	12	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
93 >	15.1 >	50k Availability >	Identified (within 500m)				
94 >	15.2 >	Artificial and made ground (50k) >	0	0	1	3	-
95	15.3	Artificial ground permeability (50k)	0	0	-	-	-
96	15.4	Superficial geology (50k)	0	0	0	0	-
96	15.5	Superficial permeability (50k)	None (within 50m)				
96	15.6	Landslip (50k)	0	0	0	0	-
96	15.7	Landslip permeability (50k)	None (within 50m)				
97 >	15.8 >	Bedrock geology (50k) >	1	1	1	2	-
98 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
98 >	15.10 >	Bedrock faults and other linear features (50k) >	1	0	2	5	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
100 >	16.1 >	BGS Boreholes >	0	6	141	-	-
Page	Section	Natural ground subsidence >					
107 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
109 >	17.2 >	Running sands >	Negligible (within 50m)				
111 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
112 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
113 >	17.5 >	Landslides >	Very low (within 50m)				
115 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
117 >	18.1 >	BritPits >	0	0	0	4	-
119 >	18.2 >	Surface ground workings >	0	0	28	-	-
120 >	18.3 >	Underground workings >	0	0	5	0	11
121	18.4	Underground mining extents	0	0	0	0	-

121	18.5	Historical Mineral Planning Areas	0	0	0	0	-
121 >	18.6 >	Non-coal mining >	1	1	1	0	8
123	18.7	JPB mining areas	None (within 0m)				
123	18.8	The Coal Authority non-coal mining	0	0	0	0	-
123	18.9	Researched mining	0	0	0	0	-
124	18.10	Mining record office plans	0	0	0	0	-
124	18.11	BGS mine plans	0	0	0	0	-
124 >	18.12 >	Coal mining >	Identified (within 0m)				
124	18.13	Brine areas	None (within 0m)				
125	18.14	Gypsum areas	None (within 0m)				
125	18.15	Tin mining	None (within 0m)				
125	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
126	19.1	Natural cavities	0	0	0	0	-
126	19.2	Mining cavities	0	0	0	0	0
126	19.3	Reported recent incidents	0	0	0	0	-
126	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
128 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
130 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	3	-	-	-
130	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
131	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects >	On site	0-50m	50-250m	250-500m	500-2000m
132	22.1	Underground railways (London)	0	0	0	-	-
132	22.2	Underground railways (Non-London)	0	0	0	-	-
133	22.3	Railway tunnels	0	0	0	-	-
133 >	22.4 >	Historical railway and tunnel features >	0	0	36	-	-
134	22.5	Royal Mail tunnels	0	0	0	-	-

135	22.6	Historical railways	0	0	0	-	-
135 >	**22.7 >**	**Railways >**	0	0	13	-	-
136	22.8	Crossrail 2	0	0	0	0	-
136	22.9	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 19/04/2021

Site Area: 0.13ha

Recent site history - 2018 aerial photograph

Capture Date: 01/07/2018

Site Area: 0.13ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

Site Area: 0.13ha

Recent site history - 2009 aerial photograph

Capture Date: 11/09/2009

Site Area: 0.13ha

Recent site history - 1999 aerial photograph

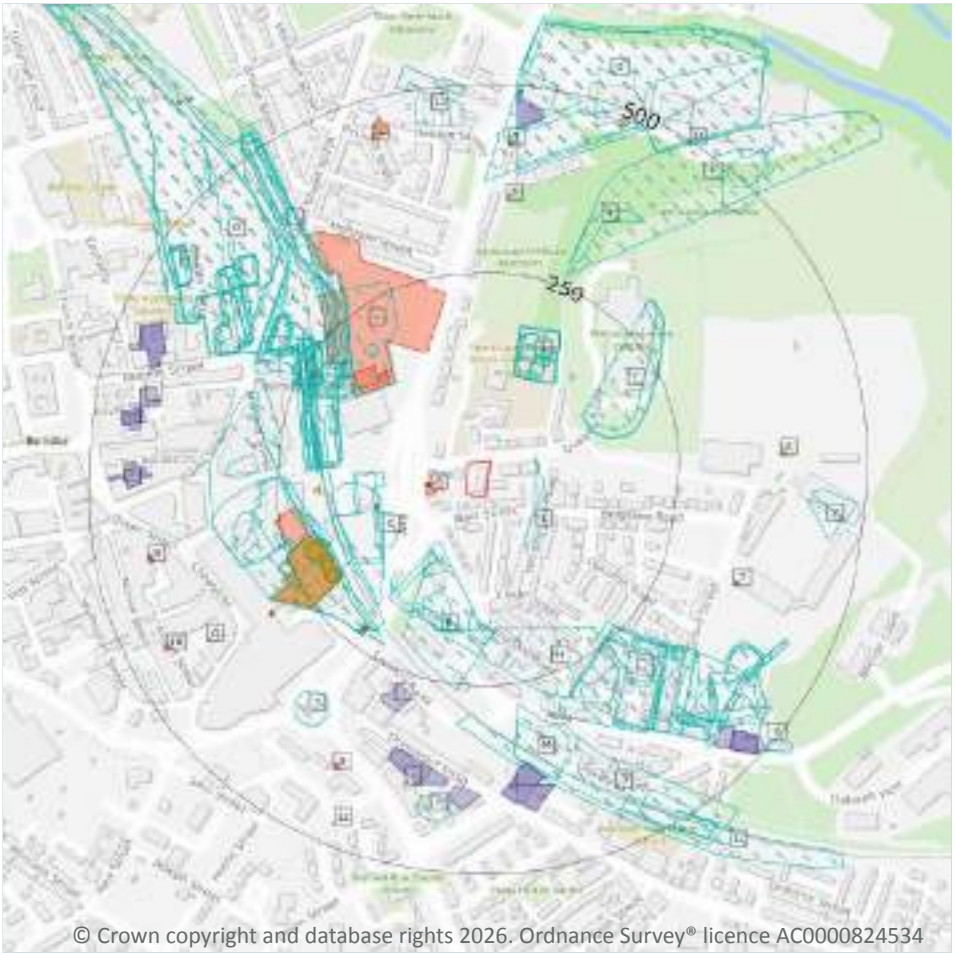
Capture Date: 10/07/1999

Site Area: 0.13ha

OS MasterMap site plan

Site Area: 0.13ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

1.1 Historical industrial land uses

Records within 500m	150

Potentially contaminative land use features digitised from historical Ordnance Survey® mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
1	59m E	Unspecified Quarry	1890	1465172

ID	Location	Land use	Dates present	Group ID
B	73m SW	Unspecified Works	1982	1532147
B	89m SW	Unspecified Ground Workings	1904	1488529
B	90m SW	Refuse Heap	1890	1435439
C	101m W	Unspecified Heap	1904	1468584
C	106m W	Lamp Works	1938 - 1948	1568834
C	110m W	Unspecified Works	1982 - 1993	1524070
C	118m W	Lamp Works	1956	1517417
D	118m N	Colliery	1948	1504179
D	118m N	Colliery	1938	1571314
D	120m N	Colliery	1955	1505679
D	120m NE	Unspecified Heap	1966 - 1992	1482706
D	123m NE	Refuse Heap	1948 - 1955	1582688
D	126m NE	Refuse Heaps	1938	1571064
B	134m SW	Unspecified Ground Workings	1973	1482461
E	135m NE	Unspecified Heap	1938	1567449
E	135m NE	Unspecified Ground Workings	1948	1440881
B	136m S	Unspecified Pit	1890	1452800
F	141m NW	Unspecified Depot	1973 - 1993	1557302
D	142m NE	Railway Sidings	1938	1561016
D	142m NE	Railway Sidings	1948 - 1955	1578579
B	151m S	Unspecified Works	1993	1497678
D	151m NE	Unspecified Drift	1955	1442424
D	155m N	Unspecified Tank	1938 - 1948	1510426
D	156m NE	Disused Air Shaft	1966	1434007
B	160m S	Unspecified Ground Workings	1966	1497144
D	164m NE	Unspecified Drift	1948	1442426
D	165m NE	Drift	1938	1552605
G	166m W	Railway Sidings	1966	1490158

ID	Location	Land use	Dates present	Group ID
G	167m W	Railway Sidings	1956	1509454
F	170m W	Railway Sidings	1890	1522165
F	170m W	Railway Sidings	1948	1542581
G	171m W	Railway Sidings	1938	1572321
H	175m S	Metal Works	1904	1479578
F	175m SW	Cuttings	1850	1433724
F	176m W	Railway Building	1966 - 1973	1503898
F	185m W	Railway Sidings	1948 - 1956	1532490
F	188m NW	Unspecified Tank	1890	1473864
F	190m W	Railway Sidings	1904	1501366
F	191m W	Railway Building	1904	1476732
F	191m NW	Railway Sidings	1973 - 1982	1548560
F	192m SW	Unspecified Commercial/Industrial	1890	1570420
F	192m SW	Unspecified Commercial/Industrial	1956	1550647
F	192m SW	Unspecified Commercial/Industrial	1948	1489786
F	194m SW	Unspecified Tanks	1890	1443935
F	195m NW	Railway Building	1966 - 1973	1535882
F	195m SW	Unspecified Works	1973	1460697
F	195m W	Railway Sidings	1850	1540402
F	195m W	Unspecified Tank	1956	1504499
F	195m NW	Railway Building	1956	1531723
F	196m NW	Unspecified Tank	1904	1473862
F	197m NW	Railway Buildings	1938	1436217
F	197m NW	Railway Building	1948	1490460
F	197m W	Unspecified Commercial/Industrial	1938	1506058
F	199m W	Railway Station	1956	1543603
F	200m SW	Unspecified Commercial/Industrial	1904	1569205
F	201m W	Unspecified Tank	1938 - 1948	1490370

ID	Location	Land use	Dates present	Group ID
F	201m SW	Unspecified Tank	1904	1473869
F	202m W	Railway Station	1938	1492439
F	206m W	Railway Station	1948	1563419
F	206m W	Railway Station	1904	1573070
I	207m NW	Railway Sidings	1850 - 1993	1563051
F	207m W	Unspecified Tank	1890 - 1904	1537336
F	209m W	Bus Station	1982	1479282
F	216m NW	Railway Building	1956	1489811
F	219m W	Railway Station	1973 - 1993	1561732
F	219m NW	Railway Station	1850	1568911
F	220m NW	Railway Building	1890 - 1904	1481957
F	220m NW	Railway Building	1948	1557278
F	220m NW	Railway Station	1966	1486080
J	231m SE	Unspecified Depot	1974	1542675
F	237m NW	Railway Station	1890	1580768
F	239m NW	Railway Building	1904	1476730
F	241m W	Railway Buildings	1966	1436216
J	241m SE	Sanitary Depot	1948 - 1955	1501867
J	243m SE	Unspecified Quarry	1890	1465156
J	243m SE	Sanitary Depot	1938	1528170
J	250m SE	Unspecified Heap	1904	1468586
K	264m N	Unspecified Heap	1938	1491936
J	268m SE	Unspecified Depot	1982	1492173
F	272m NW	Railway Building	1948	1476728
F	272m NW	Railway Buildings	1938	1483966
F	273m NW	Railway Buildings	1956	1540160
F	273m NW	Railway Buildings	1966	1545140
F	276m W	Unspecified Tanks	1948	1443929

ID	Location	Land use	Dates present	Group ID
J	277m SE	Sandstone Quarry	1850	1444886
3	278m S	Railway Sidings	1966	1479618
F	284m W	Unspecified Tanks	1948	1443930
4	284m N	Unspecified Ground Workings	1904	1440882
F	287m NW	Railway Building	1904	1493648
F	287m NW	Railway Building	1948	1539770
L	289m S	Cuttings	1850	1486375
F	291m NW	Railway Building	1890	1551250
M	300m S	Cuttings	1966	1545112
F	303m NW	Railway Building	1948	1476727
J	308m SE	Unspecified Quarry	1890	1548382
J	310m SE	Unspecified Depot	1992	1549343
J	312m SE	Unspecified Depot	1966	1564574
F	315m NW	Railway Building	1966 - 1982	1562510
G	327m NW	Railway Station	1956	1481676
G	327m NW	Railway Station	1966	1509340
5	327m SW	Unspecified Pit	1982 - 1993	1521042
G	327m NW	Railway Station	1890	1495639
G	329m NW	Railway Station	1938 - 1948	1522383
G	330m NW	Railway Station	1904	1523639
G	333m NW	Railway Sidings	1850	1550116
G	335m NW	Railway Sidings	1890 - 1904	1536348
G	335m NW	Railway Sidings	1948	1554045
J	346m SE	Unspecified Ground Workings	1904	1561927
G	364m NW	Railway Buildings	1890	1436218
G	365m NW	Railway Building	1956	1506407
G	365m NW	Railway Building	1966	1582234
G	366m NW	Railway Building	1938 - 1948	1502593

ID	Location	Land use	Dates present	Group ID
G	367m NW	Railway Building	1904	1578563
G	370m NW	Railway Building	1850	1532653
O	371m N	Glass Works	1904	1555134
J	378m SE	Unspecified Quarry	1904	1525434
J	379m SE	Unspecified Ground Workings	1955	1546871
O	382m N	Unspecified Works	1966	1459959
J	384m SE	Unspecified Ground Workings	1938	1516100
J	384m SE	Unspecified Quarry	1955	1511087
G	385m NW	Railway Building	1904	1518983
J	386m SE	Unspecified Heap	1948	1576873
J	389m SE	Unspecified Quarry	1938 - 1948	1582341
O	393m N	Glass Works	1955	1570468
P	401m S	Unspecified Quarry	1850	1465177
I	402m NW	Railway Building	1948	1476729
J	416m SE	Unspecified Ground Workings	1992	1507429
G	417m NW	Railway Building	1966	1476726
J	418m SE	Unspecified Ground Workings	1974 - 1982	1554081
V	424m E	Unspecified Heap	1904	1552466
V	427m E	Unspecified Heap	1966 - 1992	1510303
O	428m N	Glass Works	1938 - 1948	1525208
X	437m NW	Railway Building	1956	1507046
X	437m NW	Railway Building	1966	1532530
X	438m NW	Railway Building	1938	1520005
L	440m SE	Cuttings	1890	1575218
X	440m NW	Railway Building	1890 - 1904	1505975
X	440m NW	Railway Building	1948	1511980
L	444m SE	Cuttings	1966	1543895
11	448m N	Unspecified Depot	1993	1445538

ID	Location	Land use	Dates present	Group ID
G	450m NW	Railway Building	1938	1476734
K	460m NE	Unspecified Quarry	1890 - 1904	1570630
X	463m NW	Railway Building	1890	1476736
Y	471m SE	Malthouse	1890	1463125
O	480m N	Colliery	1850	1469149
K	488m NE	Sandstone Quarry	1850	1444885
L	488m SE	Cuttings	1974 - 1992	1534461
G	491m NW	Cuttings	1890	1433717
G	497m NW	Railway Buildings	1938 - 1948	1539694

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m	**13**

Tank features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
F	178m W	Unspecified Tank	1977	242697
F	191m W	Unspecified Tank	1961 - 1962	258697
F	195m NW	Unspecified Tank	1893 - 1906	253616
F	196m SW	Gas Works	1893 - 1906	247951
F	198m W	Unspecified Tank	1906	242698
F	199m SW	Gasometer	1893	237311
F	199m SW	Gasometer	1893 - 1906	259553
F	202m W	Gasometer	1893 - 1906	258098
H	213m SE	Unspecified Tank	1892	242702

ID	Location	Land use	Dates present	Group ID
F	306m W	Unspecified Tank	1906	242995
8	383m E	Unspecified Tank	1999	242985
N	386m S	Unspecified Tank	1987 - 1991	253717
O	477m N	Unspecified Tank	1892	242700

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m	**45**

Energy features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
A	31m W	Electricity Substation	1977	153577
A	48m W	Electricity Substation	1996	149672
A	48m W	Electricity Substation	1991	145646
A	48m W	Electricity Substation	1987	149164
C	118m W	Gas Governor	1977 - 1991	159205
C	118m W	Gas Governor	1996	161166
F	144m NW	Electricity Board Depot	1972	144882
F	153m NW	Electricity Substation	1986	143035
F	157m NW	Electricity Substation	1987	143029
F	196m SW	Gas Works	1893 - 1906	151945
F	199m SW	Gasometer	1893	141912
F	199m SW	Gasometer	1893 - 1906	156435
F	202m W	Gasometer	1893 - 1906	153905
F	215m W	Electricity Works	1906	144680

ID	Location	Land use	Dates present	Group ID
F	220m SW	Gas Governor	1996	162049
F	221m SW	Electricity Substation	1977	143031
F	221m SW	Gas Governor	1987 - 1991	152994
F	262m SW	Electricity Substation	1996	143023
F	280m W	Electricity Substation	1977 - 1996	146132
F	299m SW	Electricity Substation	1996	149823
F	301m SW	Electricity Substation	1987 - 1991	145264
F	303m SW	Electricity Substation	1977	152045
6	347m N	Electricity Substation	1972 - 1987	156838
7	349m E	Electricity Substation	1996 - 1999	145978
Q	390m SW	Electricity Substation	1996	156681
Q	391m SW	Electricity Substation	1977	150664
Q	391m SW	Electricity Substation	1991	154918
Q	391m SW	Electricity Substation	1987	157050
9	397m SW	Electricity Substation	1977 - 1996	146223
G	399m NW	Electricity Substation	1972 - 1987	151804
M	401m S	Electricity Substation	1988	147930
M	401m S	Electricity Substation	1988	149998
M	401m S	Electricity Substation	1988	154449
M	403m S	Electricity Substation	1993	145752
M	403m S	Electricity Substation	1997	162015
T	420m N	Electricity Substation	1987	143030
U	423m W	Electricity Substation	1987 - 1996	149422
U	423m W	Electricity Substation	1977	148800
10	443m SW	Electricity Substation	1977 - 1996	158593
Z	446m N	Electricity Substation	1986	143994
Z	448m N	Electricity Substation	1987	143028
R	448m W	Electricity Substation	1968 - 1991	150986

ID	Location	Land use	Dates present	Group ID
R	449m W	Electricity Substation	1993	160722
12	468m SW	Electricity Substation	1996	143022
13	495m NE	Electricity Substation	1989 - 1990	161315

This data is sourced from Ordnance Survey® / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey® / Groundsure.

1.5 Historical garages

Records within 500m	30

Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 15 >**

ID	Location	Land use	Dates present	Group ID
2	266m S	Garage	1961 - 1962	46784
N	348m S	Garage	1962	51825
N	349m S	Garage	1961	46338
M	355m S	Garage	1988 - 1993	47473
M	355m S	Garage	1985 - 1986	47884
M	356m S	Garage	1996 - 1999	50094
M	368m S	Garage	1996	46739
M	369m S	Garage	1987	47231

ID	Location	Land use	Dates present	Group ID
M	381m S	Garage	1996	49352
M	383m S	Garage	1997	50754
P	383m S	Garage	1986 - 1996	48480
R	416m W	Garage	1962	50634
S	417m W	Garage	1972	45598
W	425m W	Garage	1961	48129
W	425m W	Garage	1972	51557
R	425m W	Garage	1961	51822
W	425m W	Garage	1962	51051
R	430m W	Garage	1962	47086
S	430m W	Garage	1962	50402
S	436m W	Garage	1981 - 1982	48576
S	436m W	Garage	1993	46623
S	437m W	Garage	1961	46711
S	437m W	Garage	1968 - 1984	49873
Y	437m SE	Garage	1993 - 1999	48621
S	437m W	Garage	1991	46888
T	442m N	Garage	1983	48017
T	442m N	Garage	1989	51778
Y	451m SE	Garage	1985	47597
Y	452m SE	Garage	1962	46928
Y	452m SE	Garage	1961	47962

This data is sourced from Ordnance Survey® / Groundsure.

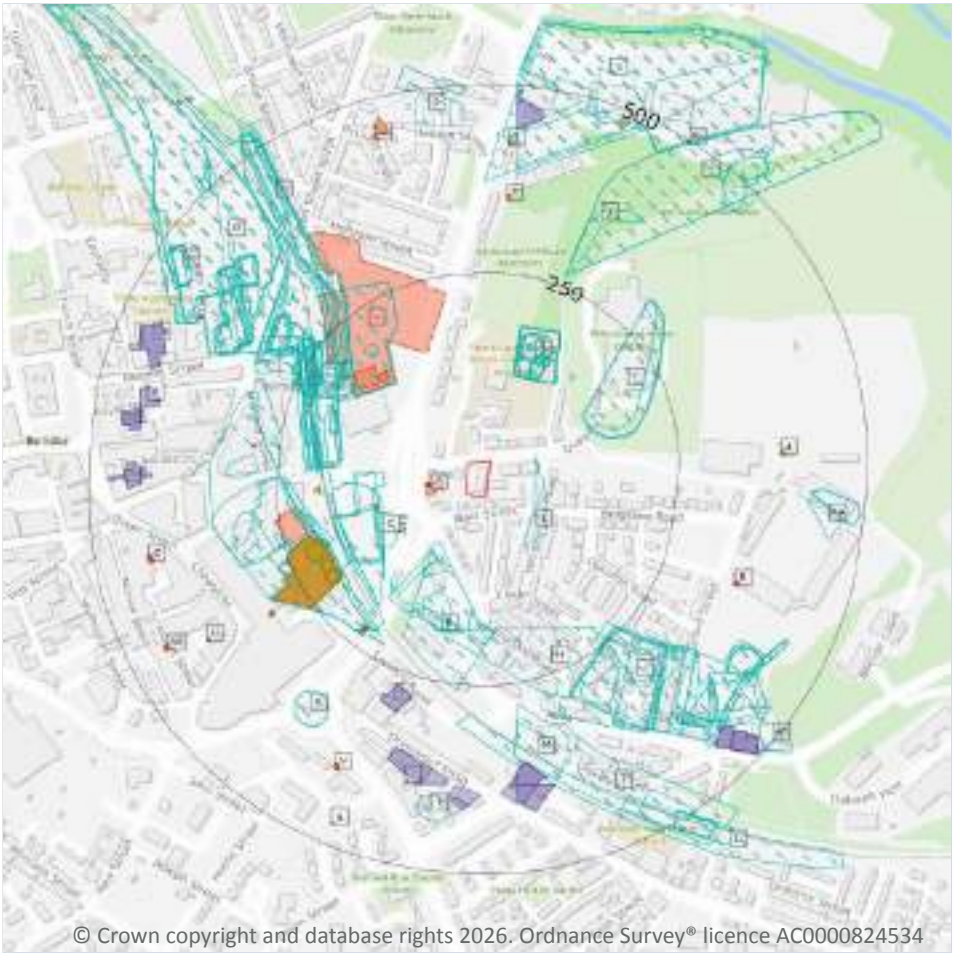
1.6 Historical military land

Records within 500m	0

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

This data is sourced from Ordnance Survey® / Groundsure / other sources.

2 Past land use - un-grouped



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

Historical garages

2.1 Historical industrial land uses

Records within 500m	194

Potentially contaminative land use features digitised from historical Ordnance Survey® mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 26 >**

ID	Location	Land Use	Date	Group ID
1	59m E	Unspecified Quarry	1890	1465172
B	73m SW	Unspecified Works	1982	1532147
B	89m SW	Unspecified Ground Workings	1904	1488529

ID	Location	Land Use	Date	Group ID
B	90m SW	Refuse Heap	1890	1435439
C	101m W	Unspecified Heap	1904	1468584
C	106m W	Lamp Works	1948	1568834
C	110m W	Unspecified Works	1993	1524070
C	110m W	Unspecified Works	1982	1524070
C	118m W	Lamp Works	1956	1517417
D	118m N	Colliery	1948	1504179
D	118m N	Colliery	1938	1571314
D	118m N	Colliery	1938	1571314
C	120m W	Lamp Works	1938	1568834
D	120m N	Colliery	1955	1505679
D	120m NE	Unspecified Heap	1992	1482706
D	120m NE	Unspecified Heap	1982	1482706
D	120m NE	Unspecified Heap	1974	1482706
D	120m NE	Unspecified Heap	1966	1482706
D	123m NE	Refuse Heap	1948	1582688
D	124m N	Refuse Heap	1955	1582688
D	126m NE	Refuse Heaps	1938	1571064
D	126m NE	Refuse Heaps	1938	1571064
B	134m SW	Unspecified Ground Workings	1973	1482461
E	135m NE	Unspecified Heap	1938	1567449
E	135m NE	Unspecified Heap	1938	1567449
E	135m NE	Unspecified Ground Workings	1948	1440881
B	136m S	Unspecified Pit	1890	1452800
F	141m NW	Unspecified Depot	1993	1557302
F	141m NW	Unspecified Depot	1973	1557302
F	141m NW	Unspecified Depot	1982	1557302
D	142m NE	Railway Sidings	1938	1561016

ID	Location	Land Use	Date	Group ID
D	142m NE	Railway Sidings	1948	1578579
D	142m NE	Railway Sidings	1955	1578579
B	151m S	Unspecified Works	1993	1497678
D	151m NE	Unspecified Drift	1955	1442424
D	155m N	Unspecified Tank	1948	1510426
D	156m NE	Disused Air Shaft	1966	1434007
D	157m N	Unspecified Tank	1938	1510426
B	160m S	Unspecified Ground Workings	1966	1497144
D	164m NE	Unspecified Drift	1948	1442426
D	165m NE	Drift	1938	1552605
D	165m NE	Drift	1938	1552605
G	166m W	Railway Sidings	1966	1490158
G	167m W	Railway Sidings	1956	1509454
F	170m W	Railway Sidings	1890	1522165
F	170m W	Railway Sidings	1948	1542581
G	171m W	Railway Sidings	1938	1572321
H	175m S	Metal Works	1904	1479578
F	175m SW	Cuttings	1850	1433724
F	176m W	Railway Building	1973	1503898
F	176m W	Railway Building	1966	1503898
F	185m W	Railway Sidings	1956	1532490
F	188m NW	Unspecified Tank	1890	1473864
F	190m W	Railway Sidings	1904	1501366
F	191m W	Railway Building	1904	1476732
F	191m NW	Railway Sidings	1973	1548560
F	191m NW	Railway Sidings	1982	1548560
F	192m SW	Unspecified Commercial/Industrial	1890	1570420
F	192m SW	Unspecified Commercial/Industrial	1956	1550647

ID	Location	Land Use	Date	Group ID
F	192m SW	Unspecified Commercial/Industrial	1948	1489786
F	194m SW	Unspecified Tanks	1890	1443935
F	195m NW	Railway Building	1973	1535882
F	195m NW	Railway Building	1966	1535882
F	195m SW	Unspecified Works	1973	1460697
F	195m W	Railway Sidings	1850	1540402
F	195m W	Unspecified Tank	1956	1504499
F	195m NW	Railway Building	1956	1531723
F	196m NW	Unspecified Tank	1904	1473862
F	197m NW	Railway Buildings	1938	1436217
F	197m NW	Railway Building	1948	1490460
F	197m W	Unspecified Commercial/Industrial	1938	1506058
F	199m W	Railway Station	1956	1543603
F	200m SW	Unspecified Commercial/Industrial	1904	1569205
F	200m W	Railway Sidings	1948	1532490
F	201m W	Unspecified Tank	1938	1490370
F	201m SW	Unspecified Tank	1904	1473869
F	202m W	Railway Station	1938	1492439
F	206m W	Railway Station	1948	1563419
F	206m W	Railway Station	1904	1573070
F	207m NW	Railway Sidings	1850	1563051
F	207m W	Unspecified Tank	1948	1490370
F	207m W	Unspecified Tank	1904	1537336
F	207m W	Unspecified Tank	1890	1537336
F	209m W	Bus Station	1982	1479282
F	216m NW	Railway Building	1956	1489811
F	219m W	Railway Station	1993	1561732
F	219m W	Railway Station	1973	1561732

ID	Location	Land Use	Date	Group ID
F	219m W	Railway Station	1982	1561732
F	219m NW	Railway Station	1850	1568911
F	220m NW	Railway Building	1890	1481957
F	220m NW	Railway Building	1948	1557278
F	220m NW	Railway Building	1904	1481957
F	220m NW	Railway Station	1966	1486080
I	231m SE	Unspecified Depot	1974	1542675
F	237m NW	Railway Station	1890	1580768
F	239m NW	Railway Building	1904	1476730
F	241m W	Railway Buildings	1966	1436216
I	241m SE	Sanitary Depot	1955	1501867
I	243m SE	Unspecified Quarry	1890	1465156
I	243m SE	Sanitary Depot	1938	1528170
I	246m SE	Sanitary Depot	1948	1501867
I	250m SE	Unspecified Heap	1904	1468586
J	264m N	Unspecified Heap	1938	1491936
J	264m N	Unspecified Heap	1938	1491936
I	268m SE	Unspecified Depot	1982	1492173
F	272m NW	Railway Building	1948	1476728
F	272m NW	Railway Buildings	1938	1483966
F	273m NW	Railway Buildings	1966	1545140
F	273m NW	Railway Buildings	1956	1540160
F	276m W	Unspecified Tanks	1948	1443929
I	277m SE	Sandstone Quarry	1850	1444886
2	278m S	Railway Sidings	1966	1479618
F	284m W	Unspecified Tanks	1948	1443930
3	284m N	Unspecified Ground Workings	1904	1440882
F	287m NW	Railway Building	1948	1539770

ID	Location	Land Use	Date	Group ID
F	287m NW	Railway Building	1904	1493648
L	289m S	Cuttings	1850	1486375
F	291m NW	Railway Building	1890	1551250
M	300m S	Cuttings	1966	1545112
F	303m NW	Railway Building	1948	1476727
I	308m SE	Unspecified Quarry	1890	1548382
I	310m SE	Unspecified Depot	1992	1549343
I	312m SE	Unspecified Depot	1966	1564574
F	315m NW	Railway Building	1973	1562510
F	315m NW	Railway Building	1966	1562510
F	315m NW	Railway Building	1982	1562510
G	327m NW	Railway Station	1966	1509340
G	327m NW	Railway Station	1956	1481676
N	327m NW	Railway Sidings	1993	1563051
G	327m NW	Railway Station	1890	1495639
O	327m SW	Unspecified Pit	1993	1521042
O	327m SW	Unspecified Pit	1982	1521042
G	329m NW	Railway Station	1938	1522383
G	329m NW	Railway Station	1948	1522383
G	330m NW	Railway Station	1904	1523639
G	333m NW	Railway Sidings	1850	1550116
G	335m NW	Railway Sidings	1948	1554045
G	335m NW	Railway Sidings	1904	1536348
G	335m NW	Railway Sidings	1890	1536348
I	346m SE	Unspecified Ground Workings	1904	1561927
G	364m NW	Railway Buildings	1890	1436218
G	365m NW	Railway Building	1966	1582234
G	365m NW	Railway Building	1956	1506407

ID	Location	Land Use	Date	Group ID
G	366m NW	Railway Building	1938	1502593
G	367m NW	Railway Building	1948	1502593
G	367m NW	Railway Building	1904	1578563
G	370m NW	Railway Building	1850	1532653
S	371m N	Glass Works	1904	1555134
I	378m SE	Unspecified Quarry	1904	1525434
I	379m SE	Unspecified Ground Workings	1955	1546871
S	382m N	Unspecified Works	1966	1459959
I	384m SE	Unspecified Ground Workings	1938	1516100
I	384m SE	Unspecified Quarry	1955	1511087
G	385m NW	Railway Building	1904	1518983
I	386m SE	Unspecified Heap	1948	1576873
I	386m SE	Unspecified Heap	1948	1576873
I	389m SE	Unspecified Quarry	1948	1582341
I	390m SE	Unspecified Quarry	1938	1582341
S	393m N	Glass Works	1955	1570468
T	401m S	Unspecified Quarry	1850	1465177
N	402m NW	Railway Building	1948	1476729
I	416m SE	Unspecified Ground Workings	1992	1507429
G	417m NW	Railway Building	1966	1476726
I	418m SE	Unspecified Ground Workings	1982	1554081
I	418m SE	Unspecified Ground Workings	1974	1554081
AA	424m E	Unspecified Heap	1904	1552466
AA	427m E	Unspecified Heap	1992	1510303
AA	427m E	Unspecified Heap	1982	1510303
AA	427m E	Unspecified Heap	1974	1510303
AA	427m E	Unspecified Heap	1966	1510303
S	428m N	Glass Works	1938	1525208

ID	Location	Land Use	Date	Group ID
AC	437m NW	Railway Building	1966	1532530
AC	437m NW	Railway Building	1956	1507046
AC	438m NW	Railway Building	1938	1520005
L	440m SE	Cuttings	1890	1575218
AC	440m NW	Railway Building	1948	1511980
AC	440m NW	Railway Building	1904	1505975
AC	440m NW	Railway Building	1890	1505975
L	444m SE	Cuttings	1966	1543895
5	448m N	Unspecified Depot	1993	1445538
G	450m NW	Railway Building	1938	1476734
J	460m NE	Unspecified Quarry	1904	1570630
AC	463m NW	Railway Building	1890	1476736
S	463m NE	Glass Works	1948	1525208
J	464m NE	Unspecified Quarry	1890	1570630
AD	471m SE	Malthouse	1890	1463125
S	480m N	Colliery	1850	1469149
J	488m NE	Sandstone Quarry	1850	1444885
L	488m SE	Cuttings	1992	1534461
L	488m SE	Cuttings	1982	1534461
L	488m SE	Cuttings	1974	1534461
G	491m NW	Cuttings	1890	1433717
G	497m NW	Railway Buildings	1948	1539694
G	499m NW	Railway Buildings	1938	1539694

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m	19

Tank features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 26 >**

ID	Location	Land Use	Date	Group ID
F	178m W	Unspecified Tank	1977	242697
F	191m W	Unspecified Tank	1962	258697
F	191m W	Unspecified Tank	1961	258697
F	195m NW	Unspecified Tank	1893	253616
F	195m NW	Unspecified Tank	1906	253616
F	196m SW	Gas Works	1893	247951
F	196m SW	Gas Works	1906	247951
F	198m W	Unspecified Tank	1906	242698
F	199m SW	Gasometer	1893	237311
F	199m SW	Gasometer	1893	259553
F	199m SW	Gasometer	1906	259553
F	202m W	Gasometer	1893	258098
F	202m W	Gasometer	1906	258098
H	213m SE	Unspecified Tank	1892	242702
F	306m W	Unspecified Tank	1906	242995
4	383m E	Unspecified Tank	1999	242985
Q	386m S	Unspecified Tank	1987	253717
Q	386m S	Unspecified Tank	1991	253717
S	477m N	Unspecified Tank	1892	242700

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m	74

Energy features digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 26 >**

ID	Location	Land Use	Date	Group ID
A	31m W	Electricity Substation	1977	153577
A	48m W	Electricity Substation	1996	149672
A	48m W	Electricity Substation	1987	149164
A	48m W	Electricity Substation	1991	145646
C	118m W	Gas Governor	1977	159205
C	118m W	Gas Governor	1996	161166
C	119m W	Gas Governor	1987	159205
C	119m W	Gas Governor	1991	159205
F	144m NW	Electricity Board Depot	1972	144882
F	153m NW	Electricity Substation	1986	143035
F	157m NW	Electricity Substation	1987	143029
F	196m SW	Gas Works	1893	151945
F	196m SW	Gas Works	1906	151945
F	199m SW	Gasometer	1893	141912
F	199m SW	Gasometer	1893	156435
F	199m SW	Gasometer	1906	156435
F	202m W	Gasometer	1893	153905
F	202m W	Gasometer	1906	153905
F	215m W	Electricity Works	1906	144680
F	220m SW	Gas Governor	1996	162049
F	221m SW	Electricity Substation	1977	143031
F	221m SW	Gas Governor	1987	152994
F	221m SW	Gas Governor	1991	152994

ID	Location	Land Use	Date	Group ID
F	262m SW	Electricity Substation	1996	143023
F	280m W	Electricity Substation	1996	146132
F	280m W	Electricity Substation	1977	146132
F	281m W	Electricity Substation	1987	146132
F	281m W	Electricity Substation	1991	146132
F	299m SW	Electricity Substation	1996	149823
F	301m SW	Electricity Substation	1987	145264
F	301m SW	Electricity Substation	1991	145264
F	303m SW	Electricity Substation	1977	152045
P	347m N	Electricity Substation	1972	156838
P	347m N	Electricity Substation	1987	156838
P	347m N	Electricity Substation	1986	156838
R	349m E	Electricity Substation	1997	145978
R	349m E	Electricity Substation	1996	145978
R	349m E	Electricity Substation	1999	145978
U	390m SW	Electricity Substation	1996	156681
U	391m SW	Electricity Substation	1977	150664
U	391m SW	Electricity Substation	1987	157050
U	391m SW	Electricity Substation	1991	154918
V	397m SW	Electricity Substation	1977	146223
V	397m SW	Electricity Substation	1996	146223
V	398m SW	Electricity Substation	1987	146223
V	398m SW	Electricity Substation	1991	146223
G	399m NW	Electricity Substation	1972	151804
G	399m NW	Electricity Substation	1987	151804
G	400m NW	Electricity Substation	1986	151804
M	401m S	Electricity Substation	1988	147930
M	401m S	Electricity Substation	1988	149998

ID	Location	Land Use	Date	Group ID
M	401m S	Electricity Substation	1988	154449
M	403m S	Electricity Substation	1997	162015
M	403m S	Electricity Substation	1993	145752
Y	420m N	Electricity Substation	1987	143030
Z	423m W	Electricity Substation	1987	149422
Z	423m W	Electricity Substation	1991	149422
Z	423m W	Electricity Substation	1996	149422
Z	423m W	Electricity Substation	1977	148800
AE	443m SW	Electricity Substation	1996	158593
AE	443m SW	Electricity Substation	1987	158593
AE	443m SW	Electricity Substation	1991	158593
AE	444m SW	Electricity Substation	1977	158593
AF	446m N	Electricity Substation	1986	143994
AF	448m N	Electricity Substation	1987	143028
W	448m W	Electricity Substation	1981	150986
W	448m W	Electricity Substation	1982	150986
W	448m W	Electricity Substation	1991	150986
W	449m W	Electricity Substation	1968	150986
W	449m W	Electricity Substation	1993	160722
W	449m W	Electricity Substation	1984	150986
6	468m SW	Electricity Substation	1996	143022
AG	495m NE	Electricity Substation	1989	161315
AG	495m NE	Electricity Substation	1990	161315

This data is sourced from Ordnance Survey® / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey® / Groundsure.

2.5 Historical garages

Records within 500m	46

Garages digitised from historical Ordnance Survey® mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 26 >**

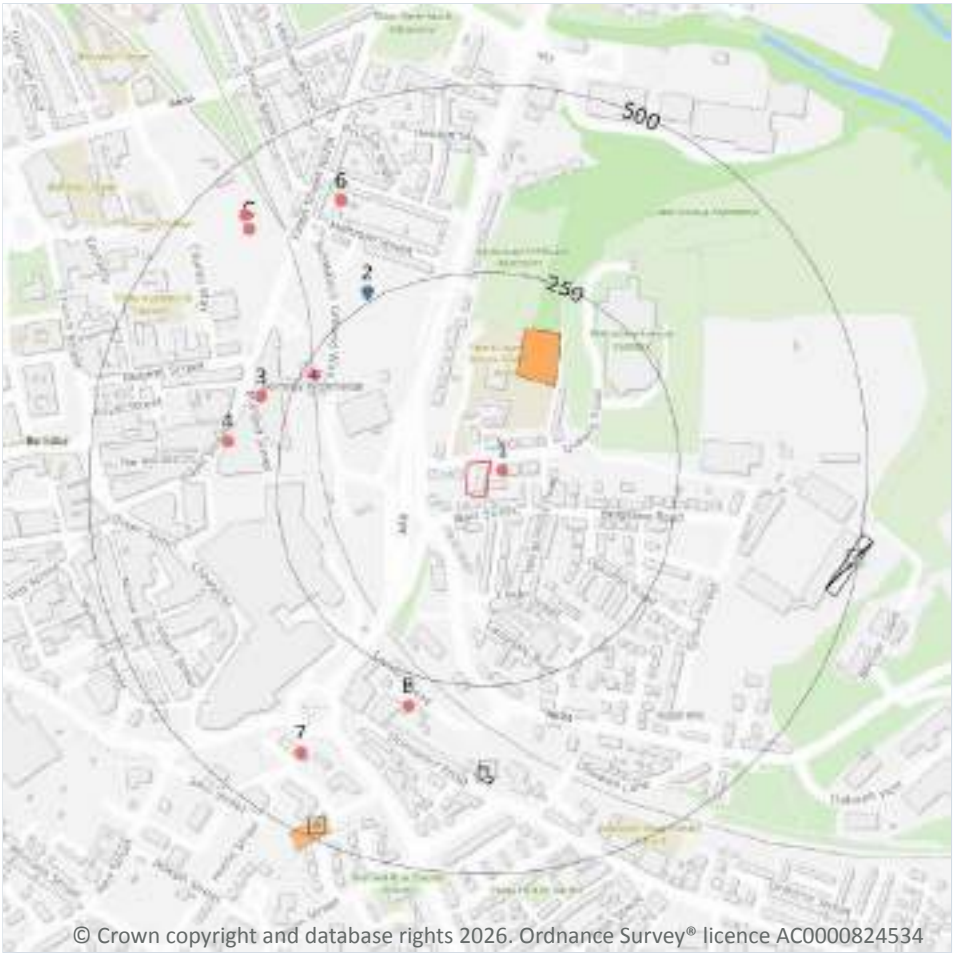
ID	Location	Land Use	Date	Group ID
K	266m S	Garage	1961	46784
K	268m S	Garage	1962	46784
Q	348m S	Garage	1962	51825
Q	349m S	Garage	1961	46338
M	355m S	Garage	1985	47884
M	356m S	Garage	1999	50094
M	356m S	Garage	1997	50094
M	356m S	Garage	1993	47473
M	356m S	Garage	1996	50094
M	368m S	Garage	1996	46739
M	369m S	Garage	1987	47231
M	369m S	Garage	1991	47473
M	381m S	Garage	1996	49352
M	382m S	Garage	1986	47884
M	383m S	Garage	1997	50754
M	383m S	Garage	1993	47473

ID	Location	Land Use	Date	Group ID
M	383m S	Garage	1988	47473
M	383m S	Garage	1988	47473
M	383m S	Garage	1988	47473
T	383m S	Garage	1996	48480
T	400m S	Garage	1986	48480
W	416m W	Garage	1962	50634
X	417m W	Garage	1972	45598
AB	425m W	Garage	1972	51557
AB	425m W	Garage	1961	48129
W	425m W	Garage	1961	51822
AB	425m W	Garage	1962	51051
W	430m W	Garage	1962	47086
X	430m W	Garage	1962	50402
W	431m W	Garage	1961	51822
X	436m W	Garage	1981	48576
X	436m W	Garage	1982	48576
X	436m W	Garage	1993	46623
X	437m W	Garage	1968	49873
X	437m W	Garage	1961	46711
X	437m W	Garage	1984	49873
AD	437m SE	Garage	1999	48621
AD	437m SE	Garage	1997	48621
AD	437m SE	Garage	1993	48621
AD	437m SE	Garage	1996	48621
X	437m W	Garage	1991	46888
Y	442m N	Garage	1983	48017
Y	442m N	Garage	1989	51778
AD	451m SE	Garage	1985	47597

ID	Location	Land Use	Date	Group ID
AD	452m SE	Garage	1962	46928
AD	452m SE	Garage	1961	47962

This data is sourced from Ordnance Survey® / Groundsure.

3 Waste and landfill



Site Outline

Search buffers in metres (m)

Historical landfill (EA/NRW)

Historical waste sites

Licensed waste sites

Waste exemptions

3.1 Active or recent landfill

Records within 500m	0

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

This data is sourced from the Environment Agency and Natural Resources Wales.

3.2 Historical landfill (BGS records)

Records within 500m	0

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

Landfill sites identified from Local Authority records and high detail historical mapping.

This data is sourced from the Ordnance Survey®/Groundsure and Local Authority records.

3.4 Historical landfill (EA/NRW records)

Records within 500m	2

Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 41 >**

ID	Location	Details		
5	358m S	Site Address: The Old Vicarage, Doncaster Road, Barnsley Licence Holder Address: Oak House, Doncaster Road, Barnsley	Waste Licence: Yes Site Reference: WD20 B812, 20B812 Waste Type: Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/07/1991 Licence Surrender: 17/01/1994	Operator: - Licence Holder: Mr K Sykes - Aytee Portable Equiptment Limited First Recorded - Last Recorded: -
9	467m E	Site Address: Barnsley Football Ground, Oakwell Road, Barnsley Licence Holder Address: -	Waste Licence: - Site Reference: 4400/(164) Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Mowlem Construction Licence Holder: Mowlem Construction First Recorded 01/06/1995 Last Recorded: 31/08/1995

This data is sourced from the Environment Agency and Natural Resources Wales.

3.5 Historical waste sites

Records within 500m	4

Waste site records derived from Local Authority planning records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 41 >**

ID	Location	Address	Further Details	Date
A	120m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983
A	120m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1989
A	120m N	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1990
8	464m SW	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1986

This data is sourced from Ordnance Survey®/Groundsure and Local Authority records.

3.6 Licensed waste sites

Records within 500m **1**

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 41 >**

ID	Location	Details		
2	261m NW	Site Name: Site SE 34800 06650 Site Address: Harborough Hill Road, Harborough, Barnsley, South Yorkshire, S71 1BD Correspondence Address: -	Type of Site: Transfer Station taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 671310 EPR reference: EA/EPR/JP3390ZX Operator: Yorkshire Electricity Group Plc Waste Management licence No: 60598 Annual Tonnage: 0	Issue Date: 14/09/1992 Effective Date: 14/09/1992 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered

This data is sourced from the Environment Agency and Natural Resources Wales.

3.7 Waste exemptions

Records within 500m	11

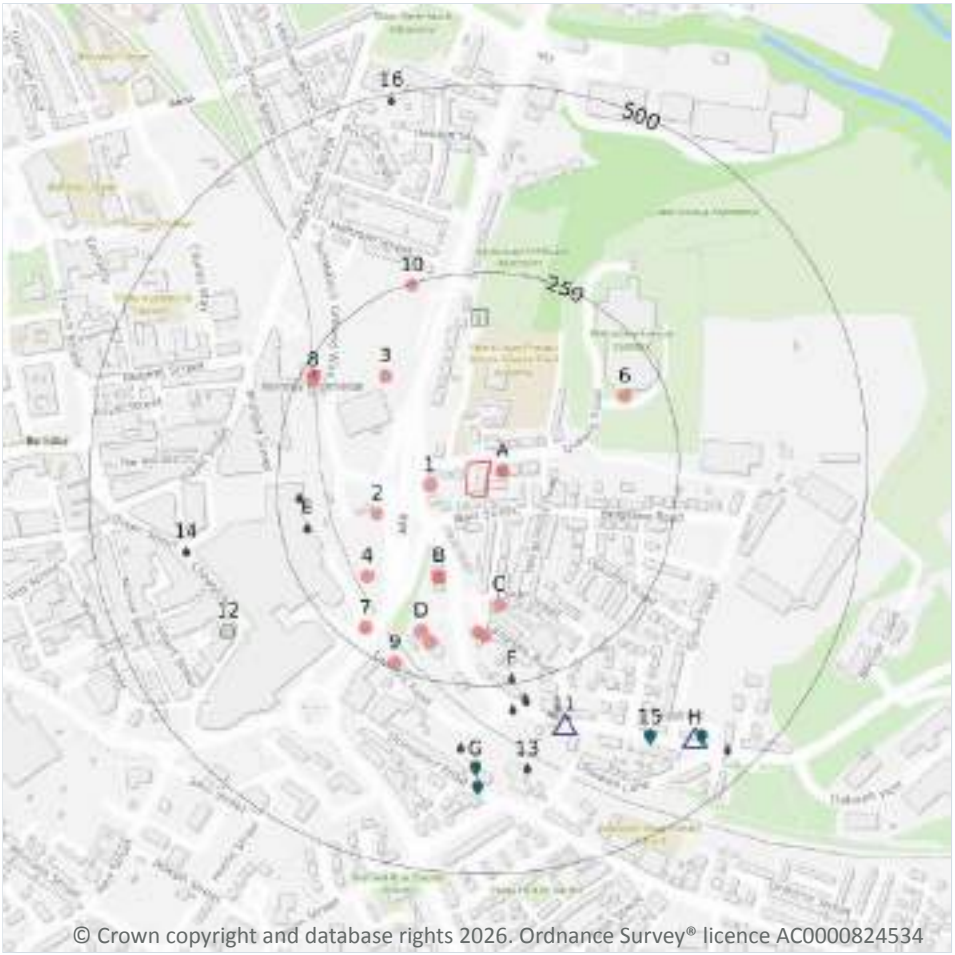
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 41 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
1	17m E	25 Queens Road Barnsley South Yorkshire S71 1an	EPR/BE5780NY/A001	Using waste exemption	Non-agricultural waste only	Use of depolluted end-of-life vehicles for vehicle parts
3	287m W	Exchange Station, Midland Street, Barnsley, S70 1se	WEX384030	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	291m S	-	WEX263965	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	291m S	-	WEX263967	Storing waste exemption	Not on a farm	Storage of waste in a secure place
4	318m W	25, Eldon Street, Barnsley, S70 2jj	WEX283128	Treating waste exemption	Not on a farm	Screening and blending of waste
6	386m NW	James Street, Barnsley, S71 1bl	WEX379908	Storing waste exemption	Not on a farm	Storage of waste in secure containers
7	408m SW	-	WEX364976	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	424m NW	-	WEX452431	Treating waste exemption	Not on a farm	Screening and blending of waste
C	424m NW	-	WEX452429	Using waste exemption	Not on a farm	Use of waste in construction
C	441m NW	-	WEX448768	Using waste exemption	Not on a farm	Use of waste in construction
C	441m NW	-	WEX448768	Treating waste exemption	Not on a farm	Screening and blending of waste

This data is sourced from the Environment Agency and Natural Resources Wales.

4 Current industrial land use



Site Outline

Search buffers in metres (m)

Recent industrial land uses

NGD current or recent tanks

Current or recent petrol stations

Licensed pollutant release (Part A(2)/B)

Licensed Discharges to controlled waters

Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m	19

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Company	Address	Activity	Category
A	17m E	Queens Road M O T Centre	Robert Shaw and Son Ltd, Queens Road, Barnsley, South Yorkshire, S71 1AN	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	17m E	A & P MOT Centre	Robert Shaw and Son Ltd, Queens Road, Barnsley, South Yorkshire, S71 1AN	Vehicle Repair, Testing and Servicing	Repair and Servicing

ID	Location	Company	Address	Activity	Category
1	48m W	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
B	114m S	Cars2 Service Centre	Cars2, Pontefract Road, Barnsley, South Yorkshire, S71 1AJ	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	117m S	Cars 2 Hyundai	1, Pontefract Road, Barnsley, South Yorkshire, S71 1AJ	New Vehicles	Motoring
B	117m S	Cars 2 Ltd	1a, Malthouse Road, Barnsley, South Yorkshire, S71	New Vehicles	Motoring
2	120m W	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
C	144m S	Dl Bodyshop	The Works Building, Langdale Road, Barnsley, South Yorkshire, S71 1AF	Vehicle Repair, Testing and Servicing	Repair and Servicing
3	159m NW	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities
4	170m SW	Mast (Telecommunication)	South Yorkshire, S70	Telecommunications Features	Infrastructure and Facilities
C	179m S	Ken's Tyres & Exhausts Ltd	Workshop 1, Langdale Road, Barnsley, South Yorkshire, S71 1AQ	Vehicle Parts and Accessories	Motoring
C	185m S	G-tech M O T & Service Centre	Langdale Road, Barnsley, South Yorkshire, S71 1AQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	191m S	Cars2 Service Centre	C, Cars2, Pontefract Road, Barnsley, South Yorkshire, S71 1EZ	Vehicle Repair, Testing and Servicing	Repair and Servicing
6	198m NE	Chimney	South Yorkshire, S71	Chimneys	Industrial Features
D	203m S	Cars 2	Malthouse Road, Barnsley, South Yorkshire, S71 1AJ	New Vehicles	Motoring
7	222m SW	Gas Governor Station	South Yorkshire, S70	Gas Features	Infrastructure and Facilities
8	233m NW	Barnsley Rail Station	South Yorkshire, S71	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
9	243m SW	A N Car Hire	Unit 1, 8 Lambra Road, Barnsley, South Yorkshire, S71 1AA	Vehicle Hire and Rental	Hire Services

ID	Location	Company	Address	Activity	Category
10	247m N	Electricity Sub Station	South Yorkshire, S71	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m	**1**

Current or recent tanks identified from the Ordnance Survey® NGD.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Tank description	Activity	Date first identified
5	180m N	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	14/03/2015

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m	**2**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Company	Address	LPG	Status
11	319m S	TEXACO	Pontefract Road, Barnsley, South Yorkshire, S71 1HA	Not Applicable	Obsolete
H	423m SE	OBSOLETE	Pontefract Road, Barnsley, South Yorkshire, S71 1EZ	Not Applicable	Obsolete

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m	0

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m	0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m	0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.9 Hazardous substance storage/usage

Records within 500m	0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m	0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.11 Licensed industrial activities (Part A(1))

Records within 500m	0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.12 Licensed pollutant release (Part A(2)/B)

Records within 500m	4

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Address	Details	
G	361m S	Barrett Excavations Limited, 76 Doncaster Road, Barnsley, S70 1TW	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
15	386m SE	Gpf Stations Limited, Ponterfract Road, Oakwell, Barnsley, S71 1HA	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
G	387m S	Dunlop Slanzenger Ltd, Doncaster Road, Barnsley, S70 3QP	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
H	428m SE	Oakwell Garage, Pontefract Road, Barnsley, S71 1EZ	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.13 Radioactive Substance Authorisations

Records within 500m	0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.14 Licensed Discharges to controlled waters

Records within 500m	11

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Address	Details	
E	215m W	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
E	221m W	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
F	243m S	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
F	270m S	LAMBRA ROAD CSO, LAMBRA ROAD, BARNSLEY, SOUTH YORKSHIRE, S71 1AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7491 Permit Version: 2 Receiving Water: SOUGH DYKE (CULVERT)	Status: VARIED UNDER EPR 2010 Issue date: 07/03/2022 Effective Date: 07/03/2022 Revocation Date: -

ID	Location	Address	Details	
F	276m S	LAMBRA ROAD CSO, LAMBRA ROAD, BARNSLEY, SOUTH YORKSHIRE, S71 1AB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7491 Permit Version: 1 Receiving Water: SOUGH DYKE (CULVERT)	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/02/1999 Effective Date: 16/02/1999 Revocation Date: 06/03/2022
F	285m S	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
G	334m S	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
13	365m S	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
14	379m W	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
H	463m SE	YWS UNKNOWN SITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/8 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 29/05/1963 Effective Date: 29/05/1963 Revocation Date: 31/03/2005
16	492m N	REGENT STREET, BARNSLEY, SOUTH YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: YWUCD2/4 Permit Version: 1 Receiving Water: TRIB OF RIVER DEARNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/11/1997 Effective Date: 12/11/1997 Revocation Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

4.15 Pollutant release to surface waters (Red List)

Records within 500m	0

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.16 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.17 List 1 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.18 List 2 Dangerous Substances

Records within 500m	0

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

This data is sourced from the Environment Agency and Natural Resources Wales.

4.19 Pollution Incidents (EA/NRW)

Records within 500m	1

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 45 >**

ID	Location	Details	
12	364m SW	Incident Date: 01/12/2001 Incident Identification: 45948 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

This data is sourced from the Environment Agency and Natural Resources Wales.

4.20 Pollution inventory substances

Records within 500m	0

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.21 Pollution inventory waste transfers

Records within 500m	0

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

4.22 Pollution inventory radioactive waste

Records within 500m	0

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.

5 Hydrogeology - Superficial aquifer

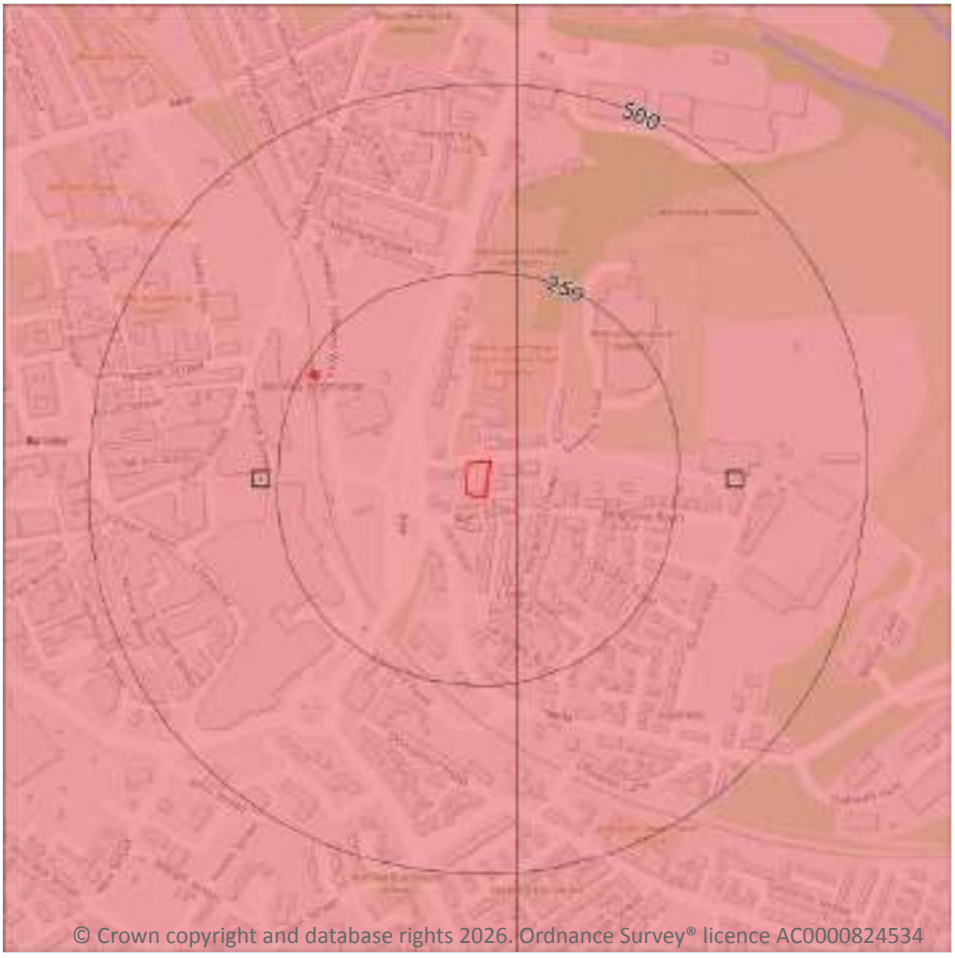
5.1 Superficial aquifer

Records within 500m	0

Aquifer status of groundwater held within superficial geology.

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	2

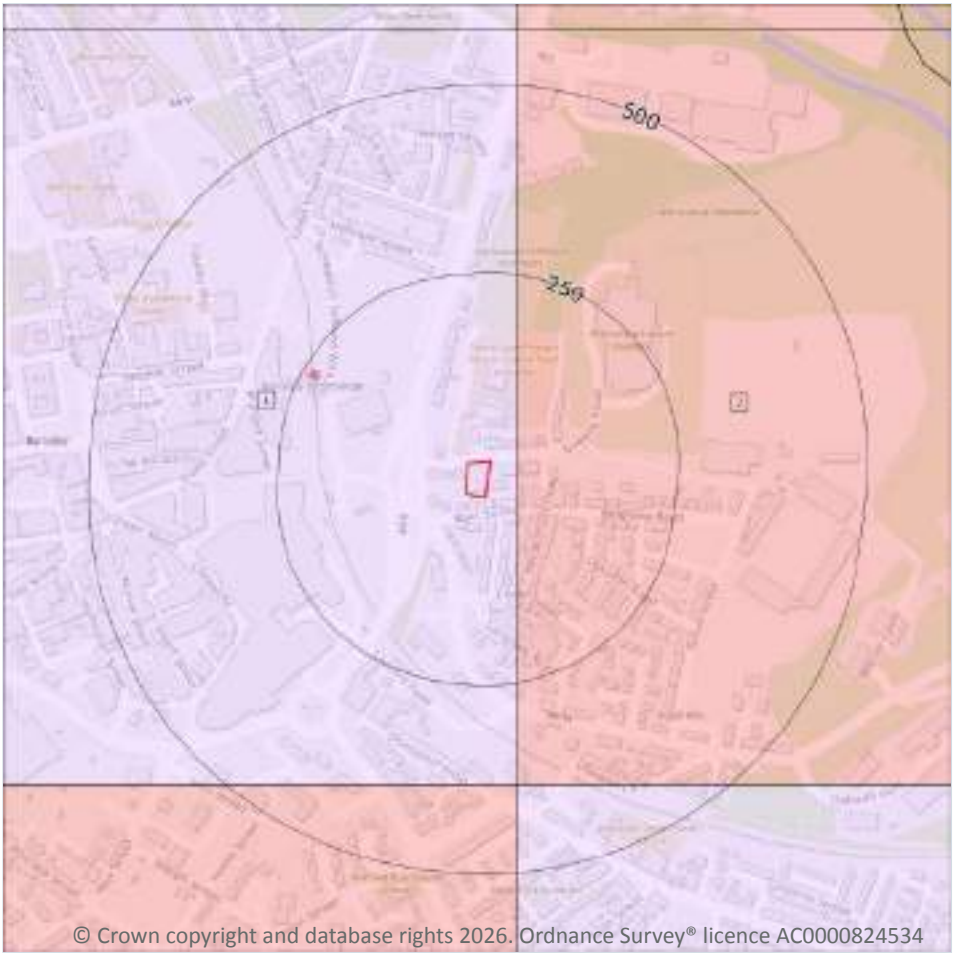
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 55 >**

ID	Location	Designation	Description
1	**On site**	**Secondary A**	**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**
2	36m E	Secondary A	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

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

Groundwater vulnerability



Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

5.3 Groundwater vulnerability

Records within 50m	2

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 57 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	**On site**	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: <40% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Well connected fractures**
2	36m E	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: <40% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.

5.4 Groundwater vulnerability- soluble rock risk

Records on site	**0**

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

This data is sourced from the British Geological Survey and the Environment Agency.

5.5 Groundwater vulnerability- local information

Records on site	**0**

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk ↗.

This data is sourced from the British Geological Survey and the Environment Agency.

Abstractions and Source Protection Zones

Site Outline

Search buffers in metres (m)

- Source Protection Zone 1 — Inner catchment
- Source Protection Zone 2 — Outer catchment
- Source Protection Zone 3 — Total catchment
- Source Protection Zone 4 — Zone of Special Interest
- Source Protection Zone 1c — Inner catchment - confined aquifer
- Source Protection Zone 2c — Outer catchment - confined aquifer
- Source Protection Zone 3c — Total catchment - confined aquifer
- Drinking water abstraction licences
- Drinking water abstraction licences — Polygon features
- Drinking water abstraction licences — Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m	5

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 59 >**

ID	Location	Details	
1	372m E	Status: Active Licence No: NE/027/0008/014 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - OAKWELL ROAD - BARNSLEY Data Type: Point Name: Barnsley Football Club 2002 Ltd Easting: 435336 Northing: 406441	Annual Volume (m^3): 21400 Max Daily Volume (m^3): 100 Original Application No: NPS/WR/016056 Original Start Date: 29/06/2015 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 29/06/2015 Version End Date: -
-	1273m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -
-	1273m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING - SANDSTONE&MIDDLE COAL MEASURES - BARNSLEY Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): 350000 Max Daily Volume (m^3): 1400 Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -
-	1290m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: WELL/SPRING - SANDSTONE/MIDDLE COAL MEASURES - SHAW LANE Data Type: Point Name: SHELDALE WATER LIMITED Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31-Dec-03 Issue No: 100 Version Start Date: 01/12/1999 Version End Date: -

ID	Location	Details	
-	1290m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31/12/2003 Issue No: 101 Version Start Date: 08/04/2003 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.7 Surface water abstractions

Records within 2000m **4**

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 59 >**

ID	Location	Details	
-	850m NE	Status: Active Licence No: 2/27/08/141/R01 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE AT DEARNE VALLEY COUNTRY PARK Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435704 Northing: 406846	Annual Volume (m^3): 5850 Max Daily Volume (m^3): 86.6 Original Application No: NPS/WR/021590 Original Start Date: 12/04/2017 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -
-	857m NE	Status: Historical Licence No: 2/27/08/122 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 07/10/1998 Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 01/08/2002 Version End Date: -

ID	Location	Details	
-	857m NE	Status: Historical Licence No: 2/27/08/122 Details: Make-Up or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m^3): 7800 Max Daily Volume (m^3): 86.6 Original Application No: - Original Start Date: 07/10/1998 Expiry Date: 31/10/2006 Issue No: 101 Version Start Date: 01/08/2002 Version End Date: -
-	857m NE	Status: Historical Licence No: 2/27/08/141 Details: Make-Up Or Top Up Water Direct Source: SURFACE WATER Point: RIVER DEARNE Data Type: Point Name: BARNSLEY METROPOLITAN BOROUGH COUNCIL Easting: 435710 Northing: 406850	Annual Volume (m^3): 7800 Max Daily Volume (m^3): 86.6 Original Application No: - Original Start Date: 13/03/2007 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.8 Potable abstractions

Records within 2000m	**4**

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 59 >**

ID	Location	Details	
-	1273m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING - SANDSTONE&MIDDLE COAL MEASURES - BARNSLEY Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): 350000 Max Daily Volume (m^3): 1400 Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -

ID	Location	Details	
-	1273m W	Status: Historical Licence No: 2/27/08/133 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406060	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 01/01/2004 Expiry Date: 31/03/2017 Issue No: 1 Version Start Date: 01/01/2004 Version End Date: -
-	1290m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: WELL/SPRING - SANDSTONE/MIDDLE COAL MEASURES - SHAW LANE Data Type: Point Name: SHELDALE WATER LIMITED Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31-Dec-03 Issue No: 100 Version Start Date: 01/12/1999 Version End Date: -
-	1290m W	Status: Historical Licence No: 2/27/08/110 Details: Water Bottling Direct Source: GROUNDWATERS Point: SPRING-SANDSTONE/MIDDLE COAL MEASURES-SHAW LANE Data Type: Point Name: SHELDALE DEVELOPMENTS LTD Easting: 433700 Northing: 406000	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 23/03/1994 Expiry Date: 31/12/2003 Issue No: 101 Version Start Date: 08/04/2003 Version End Date: -

This data is sourced from the Environment Agency and Natural Resources Wales.

5.9 Source Protection Zones

Records within 500m	**0**

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

This data is sourced from the Environment Agency and Natural Resources Wales.

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

This data is sourced from the Environment Agency and Natural Resources Wales.

6 Hydrology

Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m	1

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 65 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
1	170m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Sough Dike

This data is sourced from the Ordnance Survey®.

6.2 Surface water features

Records within 250m	0

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

This data is sourced from the Ordnance Survey®.

6.3 WFD Surface water body catchments

Records on site	1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 65 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River**	**Dearne from Cawthorne Dyke to Lundwood STW**	**GB104027063171**	**Dearne**	**Don and Rother**

This data is sourced from the Environment Agency and Natural Resources Wales.

6.4 WFD Surface water bodies

Records identified	1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 65 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	797m N	River	Dearne from Cawthorne Dyke to Lundwood STW	GB104027063171 ↗	Moderate	Fail	Moderate	2019

This data is sourced from the Environment Agency and Natural Resources Wales.

6.5 WFD Groundwater bodies

Records on site	1

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 65 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	**On site**	**Don & Rother Millstone grit & Coal Measures**	**GB40402G992300** ↗	**Poor**	**Poor**	**Good**	**2019**

This data is sourced from the Environment Agency and Natural Resources Wales.

7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m	0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

This data is sourced from the Environment Agency and Natural Resources Wales.

7.2 Historical Flood Events

Records within 250m	0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.3 Flood Defences

Records within 250m	0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.4 Areas Benefiting from Flood Defences

Records within 250m	0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.5 Flood Storage Areas

Records within 250m	0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

This data is sourced from the Environment Agency and Natural Resources Wales.

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

This data is sourced from the Environment Agency and Natural Resources Wales.

7.7 Flood Zone 3

Records within 50m	0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

This data is sourced from the Environment Agency and Natural Resources Wales.

8 Surface water flooding

8.1 Surface water flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 72 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations

Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.4 Special Protection Areas (SPA)

Records within 2000m	0

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.5 National Nature Reserves (NNR)

Records within 2000m	0

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

Features are displayed on the Environmental designations map on **page 73 >**

ID	Location	Name	Data source
2	752m NE	Dearne Valley Park	Natural England

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.7 Designated Ancient Woodland

Records within 2000m	3

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 73 >**

ID	Location	Name	Woodland Type
3	889m NE	Unknown	Ancient & Semi-Natural Woodland
-	1484m S	Highstead Plantation	Ancient & Semi-Natural Woodland
-	1710m S	Darley Cliff Plantation	Ancient & Semi-Natural Woodland

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.8 Biosphere Reserves

Records within 2000m	0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.9 Forest Parks

Records within 2000m	0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

10.11 Green Belt

Records within 2000m	2

Areas designated to prevent urban sprawl by keeping land permanently open.

Features are displayed on the Environmental designations map on **page 73 >**

ID	Location	Name	Local Authority name
1	589m N	South and West Yorkshire Green Belt	Barnsley
-	1541m S	South and West Yorkshire Green Belt	Barnsley

This data is sourced from the Ministry of Housing, Communities and Local Government.

10.12 Proposed Ramsar sites

Records within 2000m	0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

This data is sourced from Natural England and Natural Resources Wales.

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	4

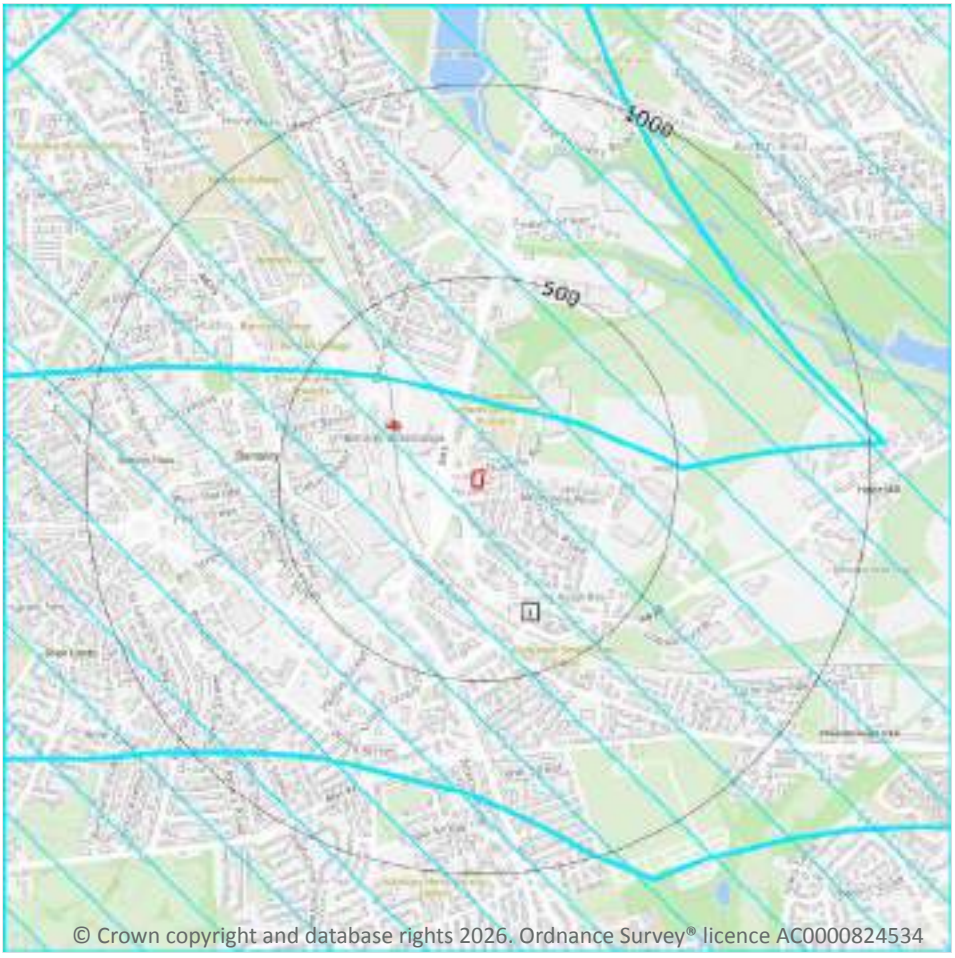
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**River Dearne NVZ**	**Surface Water**	**278**	**Existing**

Location	Name	Type	NVZ ID	Status
398m S	River Dearne NVZ	Surface Water	278	Existing
839m W	River Dearne NVZ	Surface Water	278	Existing
930m SW	River Dearne NVZ	Surface Water	278	Existing

This data is sourced from Natural England and Natural Resources Wales.

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

Not recorded

Favourable

Unfavourable - Recovering

Unfavourable - No change

Unfavourable - Declining

Partially destroyed

Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 79 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301000500040&notes=&location=436593,406785%20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

This data is sourced from Natural England and Natural Resources Wales.

11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m	0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.2 Area of Outstanding Natural Beauty

Records within 250m	0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.

11.3 National Parks

Records within 250m	0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.

11.4 Listed Buildings

Records within 250m	0

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.5 Conservation Areas

Records within 250m	0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

11.6 Scheduled Ancient Monuments

Records within 250m	0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

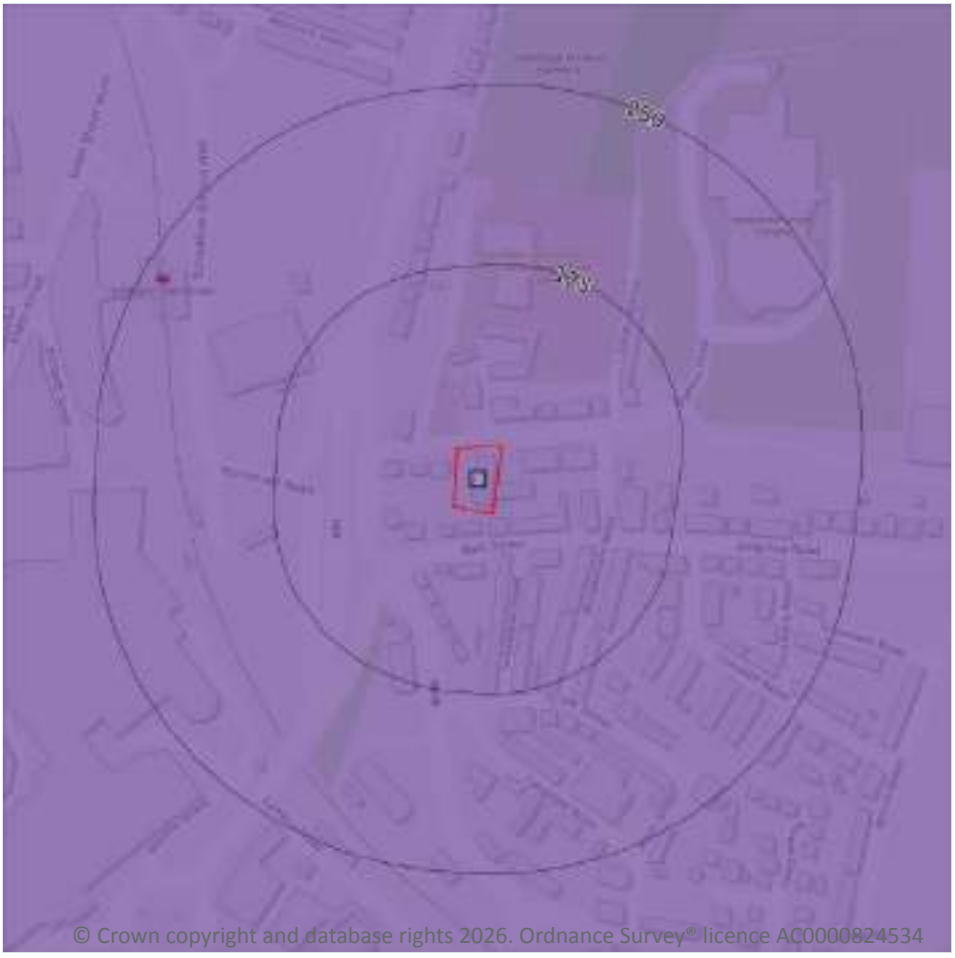
11.7 Registered Parks and Gardens

Records within 250m	0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

This data is sourced from Historic England, Cadw and Historic Environment Scotland.

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	1

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 83 >**

ID	Location	Classification	Description
1	**On site**	**Urban**	**Non-agricultural/no quality assigned**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

This data is sourced from Natural England and Natural Resources Wales.

12.3 Tree Felling Licences

Records within 250m	0

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m	0

Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m	0

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m	0

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability

Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

14.1 10k Availability

Records within 500m	2

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 86 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE30NW**
2	36m E	Full	Full	Full	No coverage	SE30NE

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Artificial and made ground

Site Outline

Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m	11

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 87 >**

ID	Location	LEX Code	Description	Rock description
1	111m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
2	121m E	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
3	252m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
A	303m S	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit

ID	Location	LEX Code	Description	Rock description
4	329m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
5	330m E	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
6	348m E	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
A	349m S	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
7	351m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
B	436m E	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
8	437m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m	0

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

This data is sourced from the British Geological Survey.

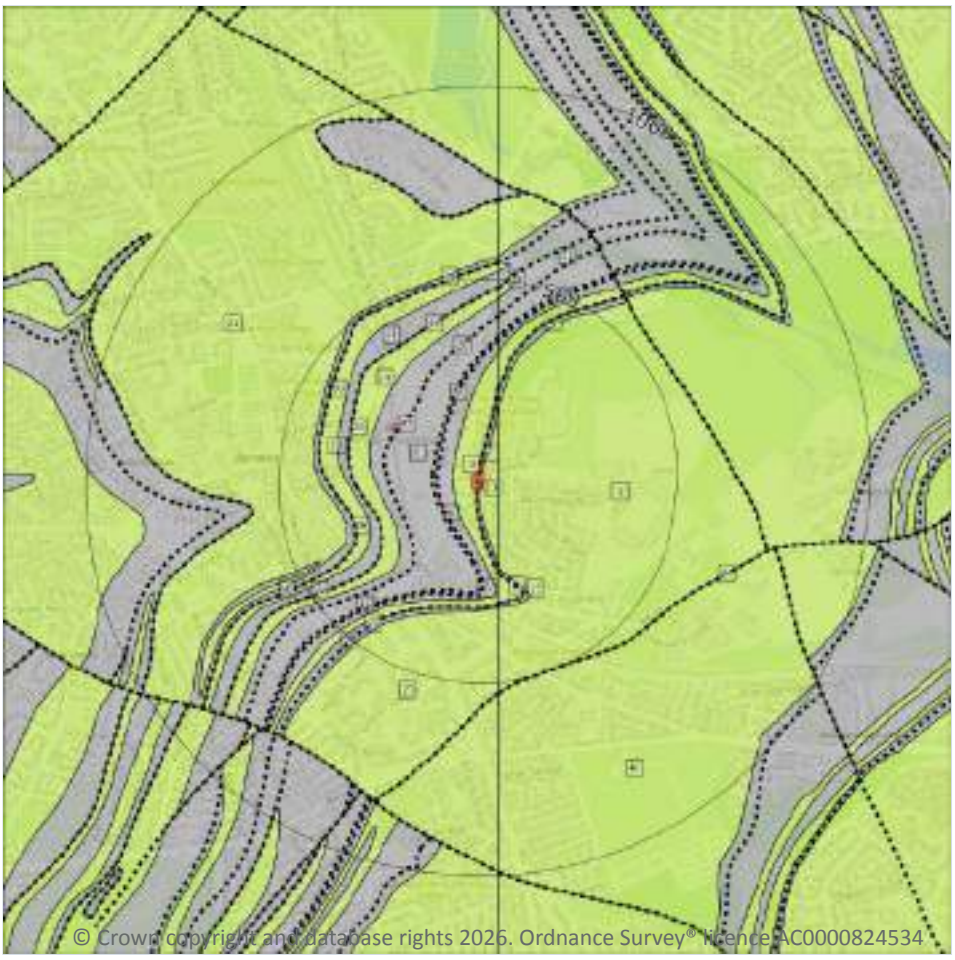
14.4 Landslip (10k)

Records within 500m	0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m	19

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 90 >**

ID	Location	LEX Code	Description	Rock age
1	On site	WE-SDST	Woolley Edge Rock-Sandstone	Westphalian
2	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
3	On site	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian

ID	Location	LEX Code	Description	Rock age
5	36m E	WE-SDST	Woolley Edge Rock-Sandstone	Westphalian
6	45m W	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
10	177m N	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
13	204m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
14	219m SW	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
16	222m S	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
18	223m N	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
21	255m W	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
23	281m W	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
24	298m S	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
27	308m S	WE-SDST	Woolley Edge Rock-Sandstone	Westphalian
28	313m N	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
29	319m W	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
31	340m W	KNR-SDST	Kent's Rock-Sandstone	Westphalian
37	451m N	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian
40	498m S	WE-SDST	Woolley Edge Rock-Sandstone	Westphalian

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	**22**

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 90 >**

ID	Location	Category	Description
4	**On site**	**ROCK**	**Coal seam, inferred**
7	87m W	FOSSIL_HORIZON	Marine band
8	96m W	ROCK	Coal seam, observed
9	102m W	ROCK	Coal seam, inferred
11	186m S	ROCK	Coal seam, inferred
12	192m SW	ROCK	Coal seam, inferred
15	221m NW	ROCK	Coal seam, observed
17	222m S	ROCK	Coal seam, inferred
19	223m N	ROCK	Coal seam, inferred
20	240m NW	ROCK	Coal seam, inferred
22	255m W	ROCK	Coal seam, inferred
25	298m S	ROCK	Coal seam, inferred
26	299m W	ROCK	Coal seam, observed
30	319m W	ROCK	Coal seam, inferred
32	344m N	FOSSIL_HORIZON	Marine band
33	348m W	ROCK	Coal seam, observed
34	353m N	ROCK	Coal seam, inferred
35	376m NW	ROCK	Coal seam, inferred
36	408m N	ROCK	Coal seam, inferred
38	480m N	ROCK	Coal seam, inferred
39	486m NW	ROCK	Coal seam, inferred
41	498m S	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.

15 Geology 1:50,000 scale - Availability

Site Outline

Search buffers in metres (m)

Geological map tile

15.1 50k Availability

Records within 500m	1

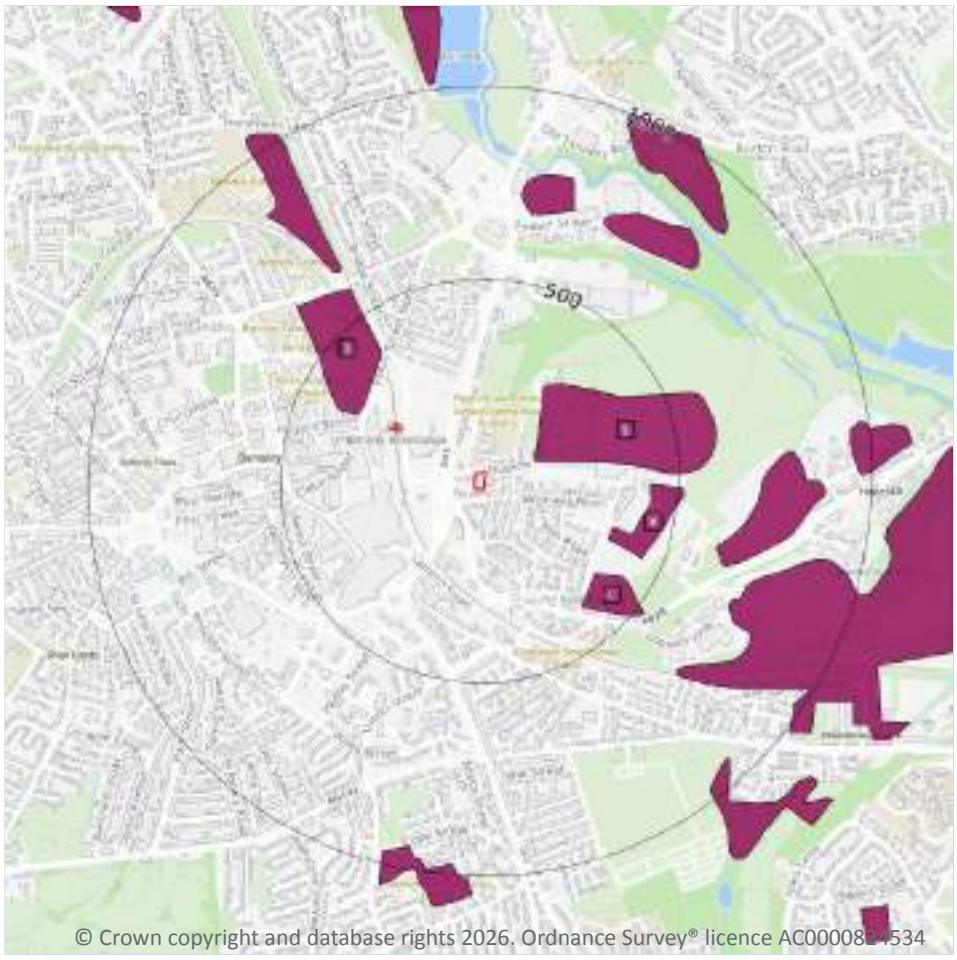
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 93 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW087_barnsley_v4**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Artificial and made ground



Site Outline

Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m	4

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 94 >**

ID	Location	LEX Code	Description	Rock description
1	127m E	MGR-ARTDP	Made Ground	Artificial deposit
2	335m NW	MGR-ARTDP	Made Ground	Artificial deposit
3	347m E	MGR-ARTDP	Made Ground	Artificial deposit
4	359m SE	MGR-ARTDP	Made Ground	Artificial deposit

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m	0

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m	0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock

Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m	5

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 97 >**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**WE-SDST**	**Woolley Edge Rock-Sandstone**	**Westphalian**
3	36m W	PMCM-MDSS	Pennine Middle Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
6	223m SW	PMCM-SDST	Pennine Middle Coal Measures Formation-Sandstone	Westphalian

ID	Location	LEX Code	Description	Rock age
9	288m W	KNR-SDST	Kent's Rock-Sandstone	Westphalian
12	498m S	WE-SDST	Woolley Edge Rock-Sandstone	Westphalian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	**3**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**High**	**Moderate**
36m E	Fracture	High	Moderate
36m W	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	**8**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

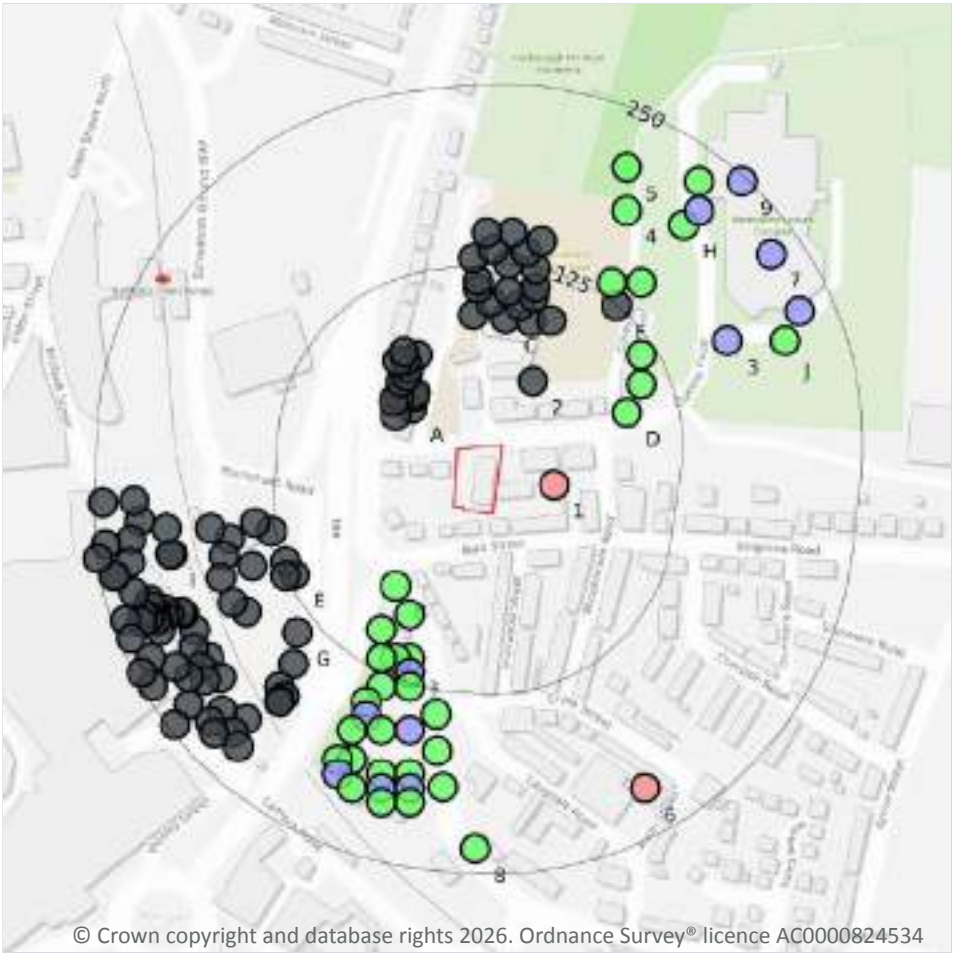
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 97 >**

ID	Location	Category	Description
2	**On site**	**ROCK**	**Coal seam, inferred**
4	87m W	ROCK	Coal seam, inferred
5	185m W	ROCK	Coal seam, inferred
7	255m W	ROCK	Coal seam, inferred
8	274m S	ROCK	Coal seam, inferred
10	338m W	ROCK	Coal seam, inferred
11	408m SW	ROCK	Coal seam, inferred

ID	Location	Category	Description
13	498m S	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres

This data is sourced from the British Geological Survey.

16 Boreholes



Site Outline

Search buffers in metres (m)

Confidential

0 - 10m

10 - 30m

30m+

Unknown

16.1 BGS Boreholes

Records within 250m	147

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 100 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	40m E	435000 406400	ELECTRICITY WORKS BARNSLEY	128.01	N	18527990 ↗
A	43m NW	434901 406453	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS104	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	47m NW	434903 406461	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY 1	-	Y	N/A
A	49m NW	434904 406464	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS103	-	Y	N/A
A	49m NW	434890 406448	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS105	-	Y	N/A
2	49m NE	434985 406472	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS4	-	Y	N/A
A	55m NW	434893 406462	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS102	-	Y	N/A
A	55m NW	434889 406458	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS106	-	Y	N/A
A	60m NW	434894 406471	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS101	-	Y	N/A
A	61m NW	434898 406475	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS111	-	Y	N/A
A	66m NW	434899 406481	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS110	-	Y	N/A
B	69m SW	434890 406330	MALTHOUSE LANE/PONTEFRACT ROAD 7/7R	29.65	N	15938781 ↗
A	71m NW	434905 406490	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS109	-	Y	N/A
A	71m NW	434897 406486	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY 2	-	Y	N/A
A	74m NW	434892 406486	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS107	-	Y	N/A
A	77m NW	434896 406492	LAND AT REAR OF 32 QUEENS ROAD BARNSLEY WS108	-	Y	N/A
B	81m S	434900 406310	MALTHOUSE LANE/PONTEFRACT ROAD 6	22.8	N	15938780 ↗
C	87m N	434966 406515	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS11	-	Y	N/A
C	88m N	434984 406513	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS12	-	Y	N/A
D	89m E	435050 406450	QUEENS GROUND BH31	21.0	N	83773 ↗
C	92m N	434944 406518	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS10	-	Y	N/A
C	93m N	434998 406514	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS3	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
C	97m N	434976 406524	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS4	-	Y	N/A
B	99m SW	434880 406300	MALTHOUSE LANE/PONTEFRACT ROAD 5	21.3	N	15938779 ↗
C	100m N	434956 406527	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS3	-	Y	N/A
C	105m N	434986 406530	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS9	-	Y	N/A
D	105m NE	435060 406470	QUEENS GROUND BH30	21.0	N	83772 ↗
C	106m N	434968 406534	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS8	-	Y	N/A
B	109m S	434900 406280	MALTHOUSE LANE/PONTEFRACT ROAD 9	24.0	N	15938784 ↗
C	109m N	434947 406536	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS7	-	Y	N/A
C	112m N	434987 406537	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS1	-	Y	N/A
B	113m SW	434890 406280	MALTHOUSE LANE/PONTEFRACT ROAD 13	23.0	N	15938788 ↗
C	114m N	434947 406541	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS2	-	Y	N/A
D	115m NE	435060 406490	QUEENS GROUND BH29	20.0	N	83771 ↗
B	117m SW	434880 406280	MALTHOUSE LANE/PONTEFRACT ROAD 4	22.0	N	15938778 ↗
B	118m S	434900 406270	MALTHOUSE LANE/PONTEFRACT ROAD TP 6	4.3	N	15938800 ↗
E	120m SW	434820 406338	BARNSLEY MARKETS PHASE 2 BH216	-	Y	N/A
E	123m W	434814 406347	BARNSLEY MARKET WS123	-	Y	N/A
C	125m N	434987 406550	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS6	-	Y	N/A
F	125m NE	435043 406524	BARNSLEY SCHOOLS PFI - GROVE STREET TPGS5	-	Y	N/A
C	125m N	434968 406553	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS5	-	Y	N/A
E	126m W	434814 406337	BARNSLEY MARKET WS123A	-	Y	N/A
B	128m S	434900 406260	MALTHOUSE LANE/PONTEFRACT ROAD 10	27.7	N	15938785 ↗
E	128m W	434804 406368	BARNSLEY MARKET WS124	-	Y	N/A
C	131m N	434944 406557	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS4	-	Y	N/A
C	134m N	434981 406561	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS2	-	Y	N/A
B	135m SW	434880 406260	MALTHOUSE LANE/PONTEFRACT ROAD 14	23.5	N	15938789 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
C	135m N	434958 406563	BARNSLEY SCHOOLS PFI - GROVE STREET BHGS1	-	Y	N/A
F	136m NE	435040 406540	QUEENS GROUND BH26/26A	19.0	N	83769 ↗
E	138m W	434793 406374	BARNSLEY MARKETS PHASE 2 BH219	-	Y	N/A
G	139m SW	434822 406298	BARNSLEY MARKET WS120	-	Y	N/A
B	143m S	434918 406241	LANGDALE ROAD BARNSLEY 5	16.0	N	84346 ↗
C	144m N	434991 406569	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS3	-	Y	N/A
E	146m W	434791 406344	BARNSLEY MARKET WS122	-	Y	N/A
C	148m N	434971 406575	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS2	-	Y	N/A
C	148m N	434953 406575	BARNSLEY SCHOOLS PFI - GROVE STREET ROHGS1	-	Y	N/A
F	148m NE	435060 406540	QUEENS GROUND BH27A/27B	22.0	N	83770 ↗
B	148m SW	434870 406250	MALTHOUSE LANE/PONTEFRACT ROAD 3	23.0	N	15938777 ↗
G	156m SW	434819 406276	BARNSLEY MARKETS PHASE 2 BH214	-	Y	N/A
B	157m S	434900 406230	MALTHOUSE LANE/PONTEFRACT ROAD TP 4	4.0	N	15938798 ↗
E	157m W	434775 406363	BARNSLEY MARKET WS125	-	Y	N/A
B	157m SW	434870 406240	MALTHOUSE LANE/PONTEFRACT ROAD TP 5	4.3	N	15938799 ↗
E	161m SW	434787 406312	BARNSLEY MARKET WS121	-	Y	N/A
B	163m S	434880 406230	MALTHOUSE LANE/PONTEFRACT ROAD 15	13.5	N	15938790 ↗
E	163m W	434771 406351	BARNSLEY MARKETS PHASE 2 BH217	-	Y	N/A
B	167m S	434919 406216	LANGDALE ROAD BARNSLEY 4	21.0	N	84345 ↗
E	167m SW	434777 406319	BARNSLEY MARKETS PHASE 2 BH215	-	Y	N/A
E	169m W	434769 406336	BARNSLEY MARKETS PHASE 2 BH215A	-	Y	N/A
E	169m W	434762 406370	BARNSLEY MARKETS PHASE 2 BH218	-	Y	N/A
B	170m SW	434860 406230	MALTHOUSE LANE/PONTEFRACT ROAD 2	26.25	N	15938776 ↗
3	172m NE	435120 406500	QUEENS GROUND BHA	3.0	N	83757 ↗
G	174m SW	434810 406260	BARNSLEY MARKETS PHASE 2 BH213	-	Y	N/A
G	176m SW	434813 406254	BARNSLEY MARKETS PHASE 2 BH213B	-	Y	N/A

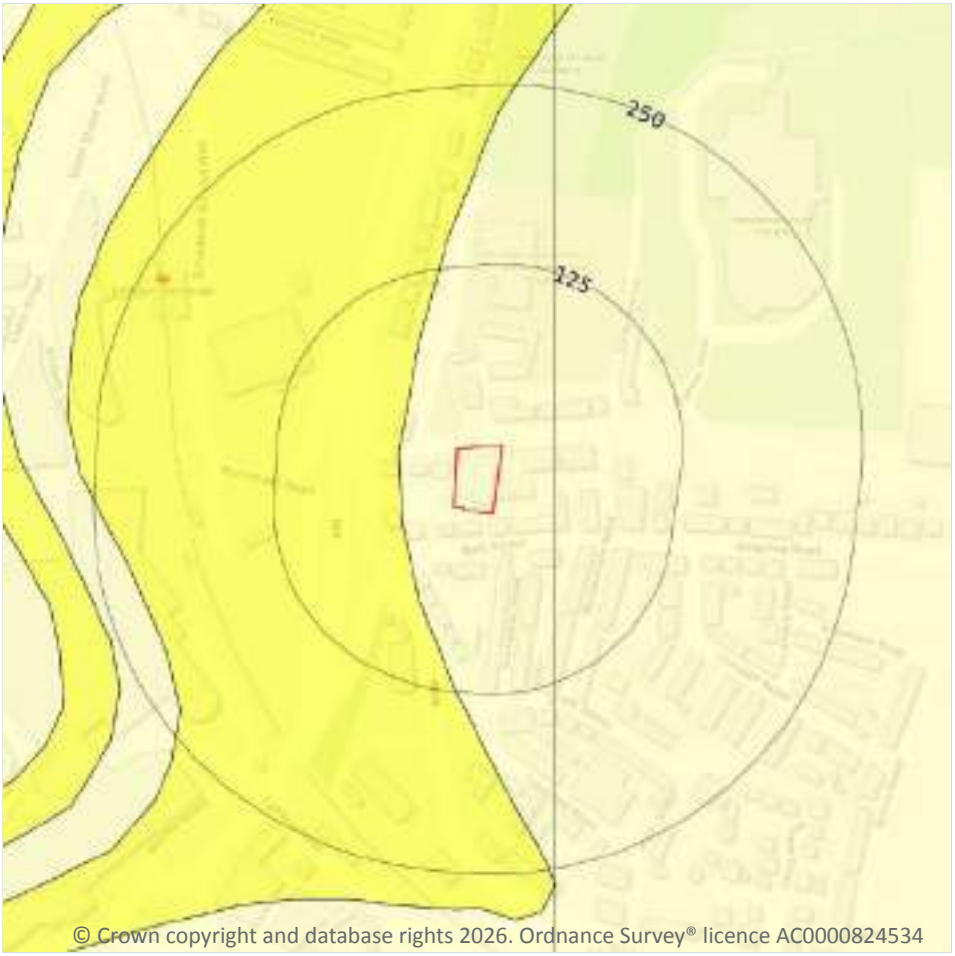
ID	Location	Grid reference	Name	Length	Confidential	Web link
G	180m SW	434810 406251	BARNSLEY MARKET WS119	-	Y	N/A
G	181m SW	434810 406250	BARNSLEY MARKETS PHASE 2 BH213A	-	Y	N/A
4	184m NE	435050 406590	QUEENS GROUND BH23	17.0	N	83767 ↗
B	186m S	434900 406200	MALTHOUSE LANE/PONTEFRACT ROAD 11	14.8	N	15938786 ↗
B	189m SW	434860 406210	MALTHOUSE LANE/PONTEFRACT ROAD 18	16.5	N	15938793 ↗
B	191m S	434880 406200	MALTHOUSE LANE/PONTEFRACT ROAD 17	15.5	N	15938792 ↗
B	192m S	434923 406191	LANGDALE ROAD BARNSLEY 3	23.0	N	84344 ↗
B	193m SW	434850 406210	MALTHOUSE LANE/PONTEFRACT ROAD 1	12.5	N	15938775 ↗
B	196m S	434900 406190	MALTHOUSE LANE/PONTEFRACT ROAD TP 3	3.7	N	15938796 ↗
H	198m NE	435090 406580	QUEENS GROUND BH25	19.0	N	83768 ↗
I	198m W	434735 406352	BARNSLEY MARKETS PHASE 2 BH210	-	Y	N/A
I	199m SW	434751 406300	BARNSLEY MARKETS PHASE 2 WS231	-	Y	N/A
I	199m SW	434761 406281	BARNSLEY MARKETS PHASE 2 WS224	-	Y	N/A
I	199m W	434734 406352	BARNSLEY MARKET WS110	-	Y	N/A
I	200m SW	434769 406267	BARNSLEY MARKETS PHASE 2 WS225	-	Y	N/A
I	200m W	434731 406370	BARNSLEY MARKETS PHASE 2 WS263	-	Y	N/A
B	201m S	434880 406190	MALTHOUSE LANE/PONTEFRACT ROAD TP 2	4.8	N	15938795 ↗
I	201m W	434744 406311	BARNSLEY MARKET WS105	-	Y	N/A
B	202m SW	434850 406200	MALTHOUSE LANE/PONTEFRACT ROAD TP 1	3.2	N	15938794 ↗
I	202m W	434742 406312	BARNSLEY MARKETS PHASE 2 BH208	-	Y	N/A
B	206m S	434900 406180	MALTHOUSE LANE/PONTEFRACT ROAD 8	25.9	N	15938783 ↗
I	206m SW	434750 406287	BARNSLEY MARKET WS103A	-	Y	N/A
I	206m SW	434787 406238	BARNSLEY MARKETS PHASE 2 WS226	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
B	207m S	434860 406190	MALTHOUSE LANE/PONTEFRACT ROAD 12/12R	24.0	N	15938787 ↗
I	208m SW	434755 406274	BARNSLEY MARKET WS103	-	Y	N/A
J	209m E	435160 406500	QUEENS GROUND BH16	17.0	N	83764 ↗
B	210m S	434880 406180	MALTHOUSE LANE/PONTEFRACT ROAD 16	15.5	N	15938791 ↗
I	210m SW	434758 406265	BARNSLEY MARKETS PHASE 2 WS221	-	Y	N/A
5	211m NE	435050 406620	QUEENS GROUND BH20	15.0	N	83765 ↗
I	211m W	434733 406310	BARNSLEY MARKETS PHASE 2 WS264	-	Y	N/A
H	212m NE	435100 406590	QUEENS GROUND BHD	1.0	N	83760 ↗
I	213m W	434730 406314	BARNSLEY MARKETS PHASE 2 WS242	-	Y	N/A
I	214m SW	434770 406244	BARNSLEY MARKETS PHASE 2 WS233	-	Y	N/A
I	215m W	434730 406308	BARNSLEY MARKETS PHASE 2 WS244	-	Y	N/A
6	218m SE	435063 406190	MOUNT OSBOURNE COLLIERY	166.55	N	83594 ↗
I	218m W	434713 406375	BARNSLEY MARKETS PHASE 2 WS262	-	Y	N/A
I	218m SW	434778 406229	BARNSLEY MARKETS PHASE 2 BH201	-	Y	N/A
I	218m SW	434747 406267	BARNSLEY MARKETS PHASE 2 WS222	-	Y	N/A
I	219m W	434724 406313	BARNSLEY MARKETS PHASE 2 WS239	-	Y	N/A
I	220m W	434723 406313	BARNSLEY MARKETS PHASE 2 WS239A	-	Y	N/A
I	220m W	434725 406307	BARNSLEY MARKETS PHASE 2 WS243A	-	Y	N/A
I	221m W	434720 406320	BARNSLEY MARKETS PHASE 2 WS240	-	Y	N/A
I	221m W	434721 406316	BARNSLEY MARKETS PHASE 2 WS245	-	Y	N/A
I	221m SW	434727 406299	BARNSLEY MARKETS PHASE 2 WS252	-	Y	N/A
I	221m W	434724 406306	BARNSLEY MARKETS PHASE 2 WS243	-	Y	N/A
I	222m W	434709 406389	BARNSLEY MARKETS PHASE 2 BH212	-	Y	N/A
I	222m SW	434738 406274	BARNSLEY MARKETS PHASE 2 WS227	-	Y	N/A
I	224m SW	434781 406219	BARNSLEY MARKETS PHASE 2 WS235	-	Y	N/A
I	224m W	434720 406308	BARNSLEY MARKETS PHASE 2 BH207	-	Y	N/A
I	225m W	434707 406362	BARNSLEY MARKETS PHASE 2 WS261	-	Y	N/A

ID	Location	Grid reference	Name	Length	Confidential	Web link
I	225m SW	434762 406236	BARNSLEY MARKETS PHASE 2 BH220	-	Y	N/A
J	226m NE	435170 406520	QUEENS GROUND BHB	6.0	N	83758 ↗
I	227m W	434718 406307	BARNSLEY MARKET WS105A	-	Y	N/A
H	228m NE	435100 406610	QUEENS GROUND BH22A	21.0	N	83766 ↗
I	228m W	434715 406311	BARNSLEY MARKETS PHASE 2 WS241	-	Y	N/A
I	228m W	434706 406346	BARNSLEY MARKETS PHASE 2 BH209	-	Y	N/A
I	228m SW	434765 406228	BARNSLEY MARKETS PHASE 2 WS234	-	Y	N/A
7	228m NE	435150 406560	QUEENS GROUND BHC	6.0	N	83759 ↗
I	229m SW	434747 406248	BARNSLEY MARKETS PHASE 2 WS232	-	Y	N/A
I	230m W	434709 406325	BARNSLEY MARKETS PHASE 2 WS253	-	Y	N/A
I	231m W	434714 406305	BARNSLEY MARKETS PHASE 2 WS238	-	Y	N/A
8	233m S	434945 406148	LANGDALE ROAD BARNSLEY 2	11.0	N	84343 ↗
I	235m SW	434721 406280	BARNSLEY MARKETS PHASE 2 WS228	-	Y	N/A
I	240m W	434696 406337	BARNSLEY MARKETS PHASE 2 WS246	-	Y	N/A
I	241m W	434695 406337	BARNSLEY MARKET WS109	-	Y	N/A
I	241m W	434703 406306	BARNSLEY MARKETS PHASE 2 WS255	-	Y	N/A
I	242m W	434707 406294	BARNSLEY MARKETS PHASE 2 WS254	-	Y	N/A
I	243m SW	434722 406261	BARNSLEY MARKETS PHASE 2 WS230	-	Y	N/A
I	243m W	434689 406359	BARNSLEY MARKETS PHASE 2 WS260	-	Y	N/A
I	244m W	434687 406388	BARNSLEY MARKETS PHASE 2 WS248	-	Y	N/A
I	245m SW	434714 406270	BARNSLEY MARKETS PHASE 2 WS229	-	Y	N/A
I	246m SW	434737 406234	BARNSLEY MARKETS PHASE 2 WS223	-	Y	N/A
9	247m NE	435130 406610	QUEENS GROUND BHE	1.0	N	83761 ↗
I	249m W	434684 406349	BARNSLEY MARKETS PHASE 2 WS237	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.1 Shrink swell clays

Records within 50m	3

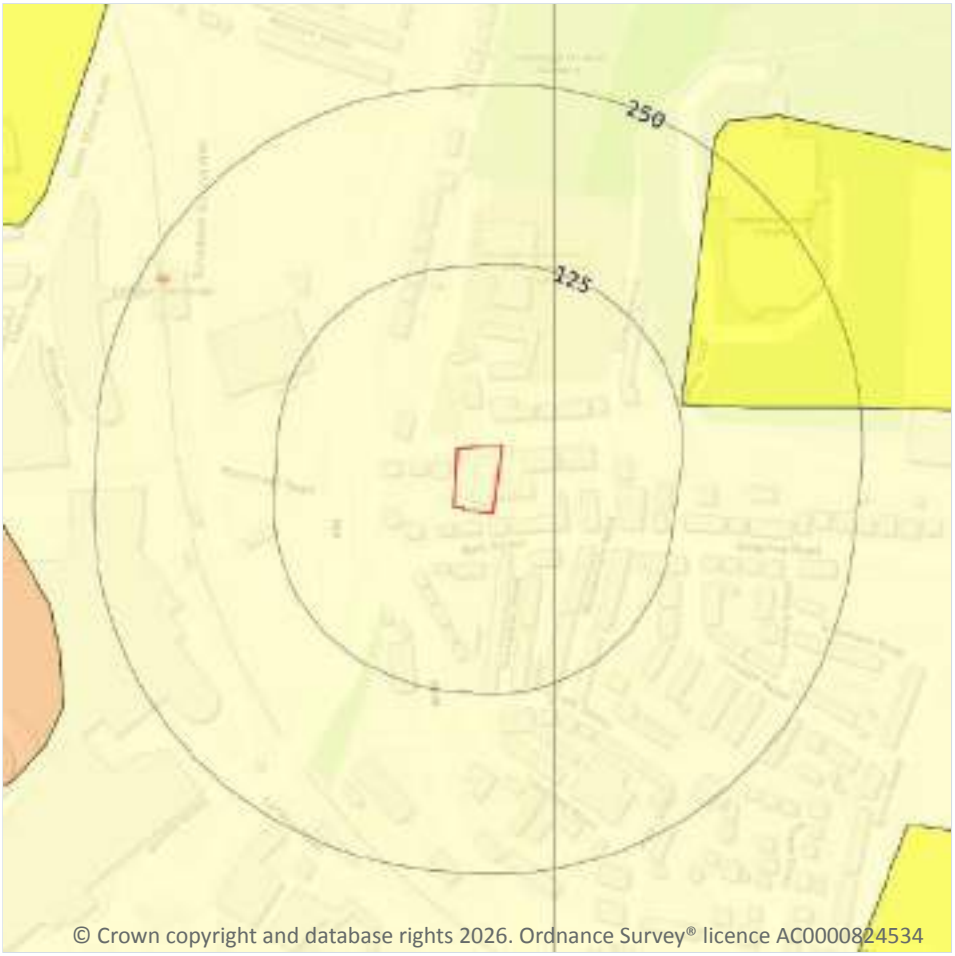
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 107 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
36m E	Negligible	Ground conditions predominantly non-plastic.
36m W	Very low	Ground conditions predominantly low plasticity.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.2 Running sands

Records within 50m	2

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

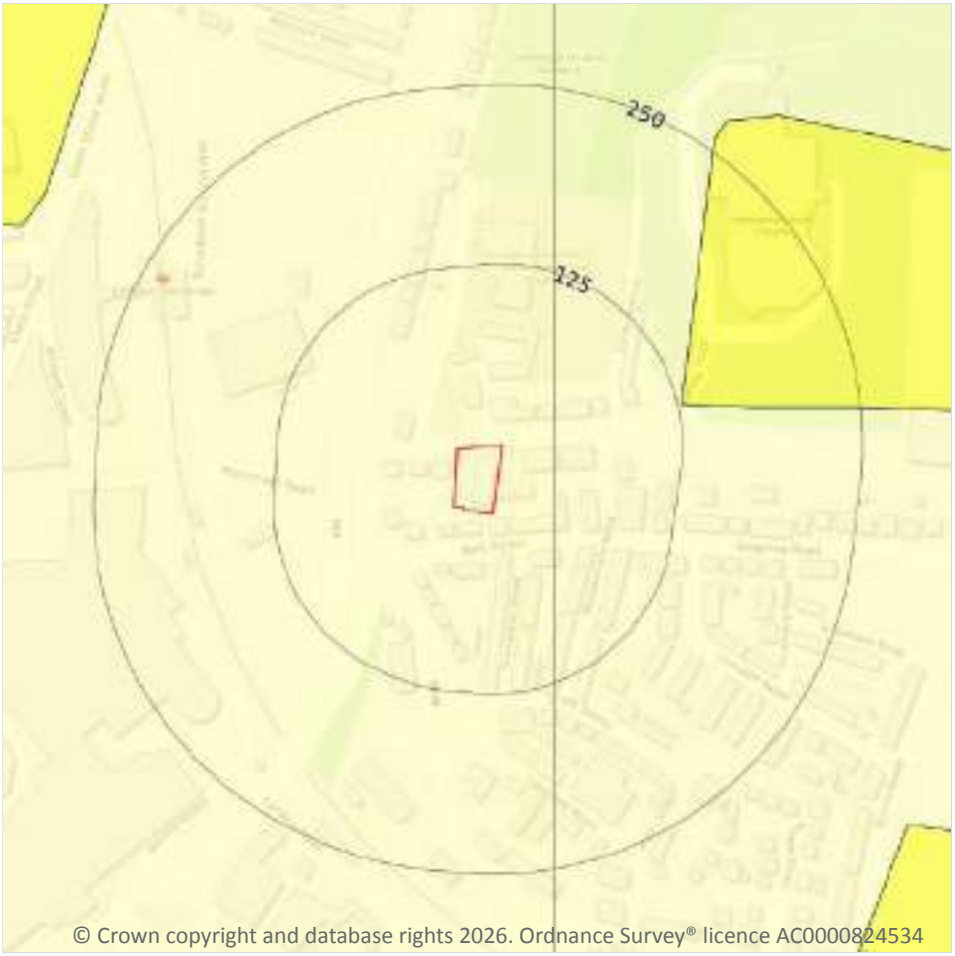
Features are displayed on the Natural ground subsidence - Running sands map on **page 109 >**

Location	Hazard rating	Details
On site	**Negligible**	**Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.**

Location	Hazard rating	Details
36m E	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.3 Compressible deposits

Records within 50m	2

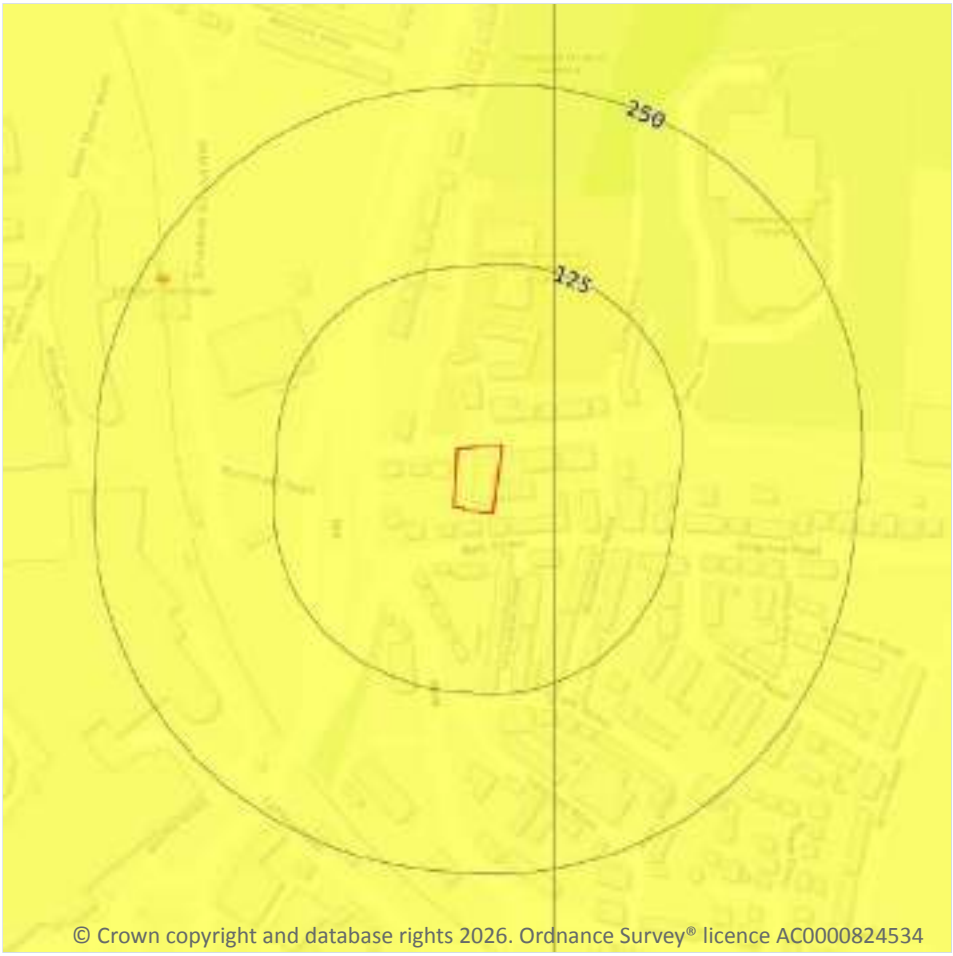
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 111 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
36m E	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.4 Collapsible deposits

Records within 50m	2

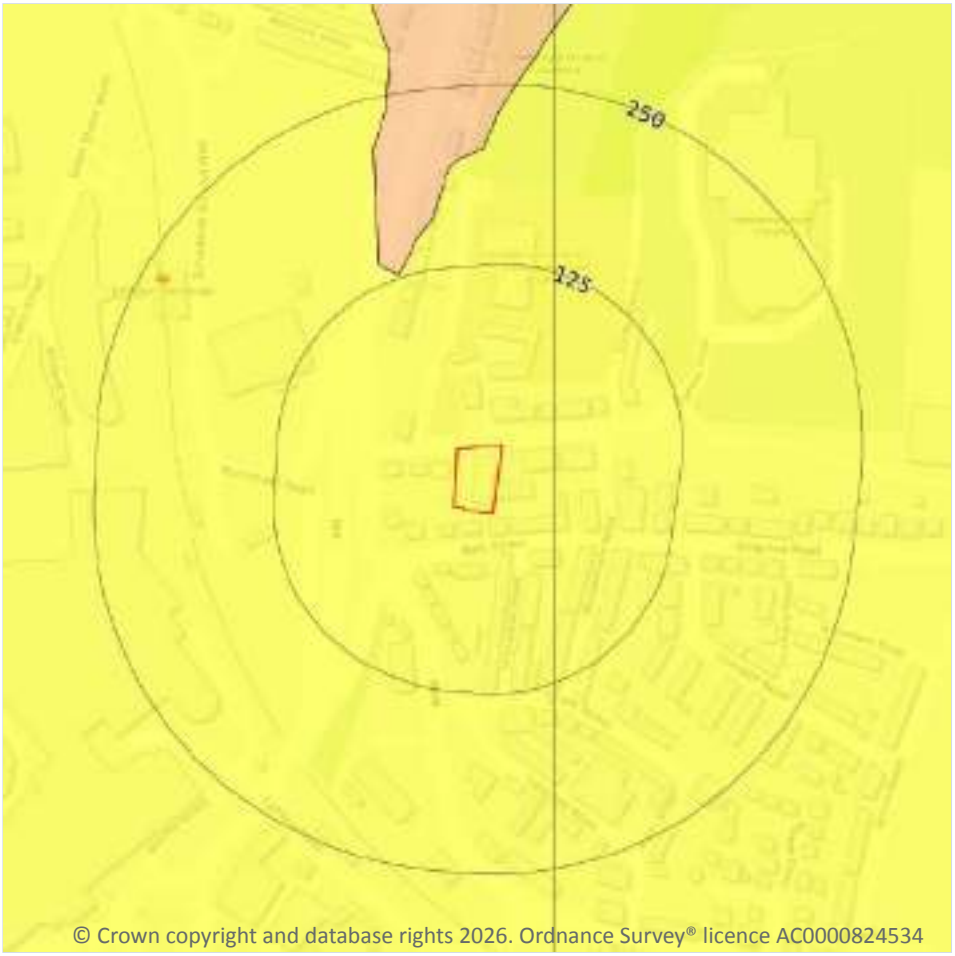
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 112 >**

Location	Hazard rating	Details
On site	**Very low**	**Deposits with potential to collapse when loaded and saturated are unlikely to be present.**
36m E	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Landslides



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.5 Landslides

Records within 50m	2

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

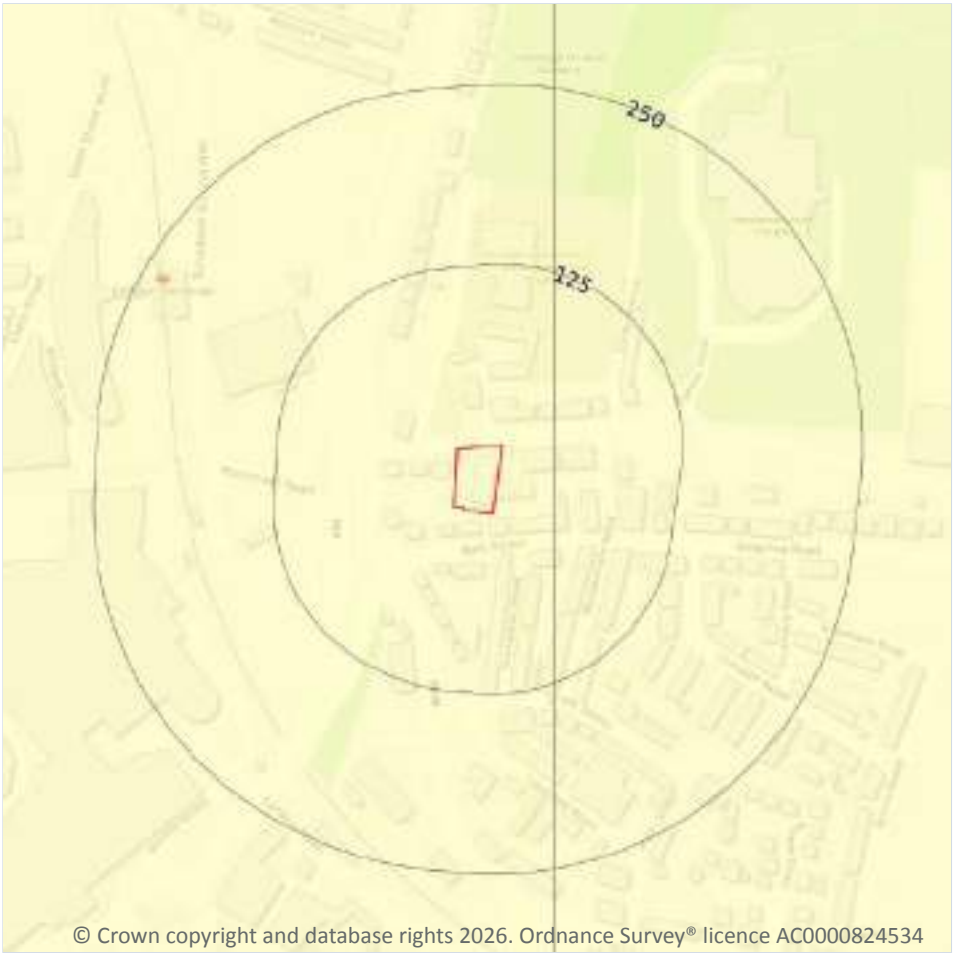
Features are displayed on the Natural ground subsidence - Landslides map on **page 113 >**

Location	Hazard rating	Details
On site	**Very low**	**Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.**

Location	Hazard rating	Details
36m E	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

17.6 Ground dissolution of soluble rocks

Records within 50m	2

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

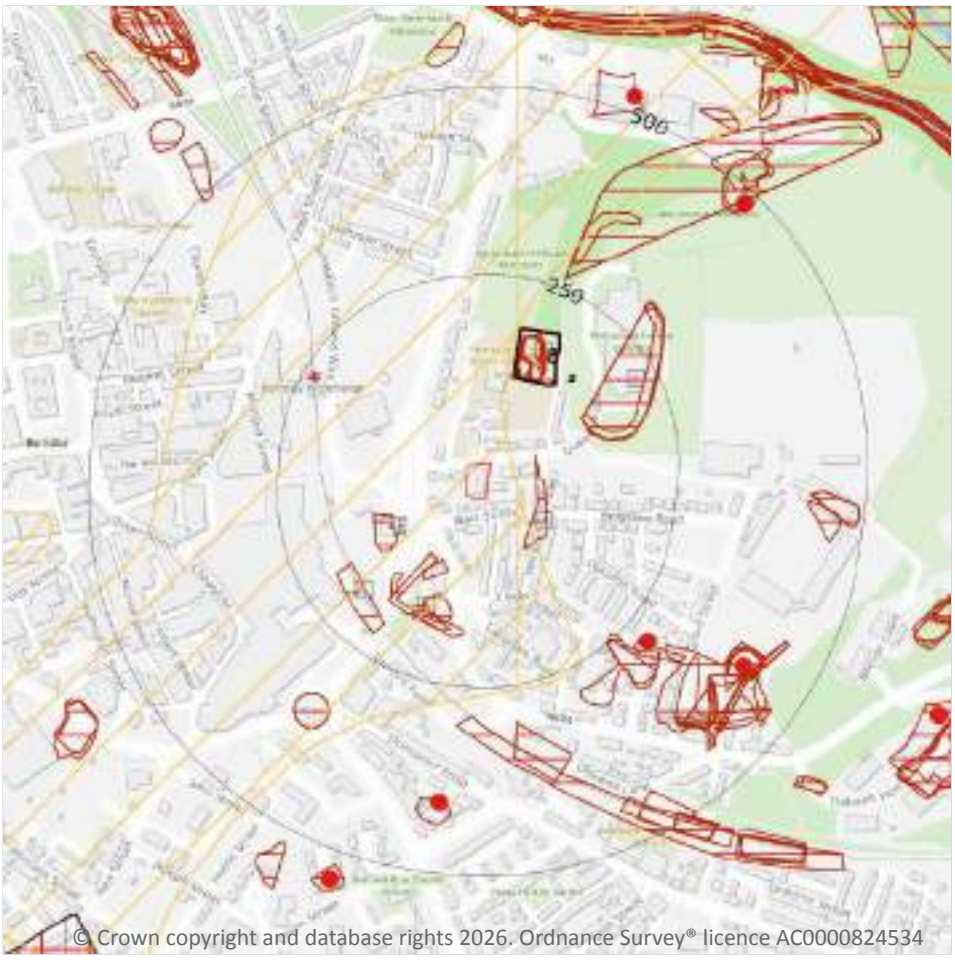
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 115 >**

Location	Hazard rating	Details
On site	**Negligible**	**Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.**

Location	Hazard rating	Details
36m E	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

This data is sourced from the British Geological Survey.

18 Mining and ground workings



Site Outline

Search buffers in metres (m)

BritPits

Surface ground workings

Underground workings

Underground mining extents

Historical mineral planning areas

TCA non-coal mining

Non Coal Mining

Sporadic underground mining of restricted extent possible

Localised small scale underground mining possible

Small scale mining possible

Underground mining known or likely within or in close proximity

Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m	4

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Details	Description
E	286m SE	Name: Oakwell Address: Oakwell, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
J	406m S	Name: Taylor Row Address: Taylor Row, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
H	407m SE	Name: Beevor Hall Quarry Address: Oakwell, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
F	481m NE	Name: Eaming Wood Address: Old Mill, BARNSLEY, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	28

Historical land uses identified from Ordnance Survey® mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Land Use	Year of mapping	Mapping scale
3	59m E	Unspecified Quarry	1890	1:10560
A	89m SW	Unspecified Ground Workings	1904	1:10560
A	90m SW	Refuse Heap	1890	1:10560
4	101m W	Unspecified Heap	1904	1:10560
B	118m N	Colliery	1948	1:10560
B	118m N	Colliery	1938	1:10560
B	118m N	Colliery	1938	1:10560
B	120m N	Colliery	1955	1:10560
B	120m NE	Unspecified Heap	1992	1:10000
B	120m NE	Unspecified Heap	1982	1:10000
B	120m NE	Unspecified Heap	1974	1:10000
B	120m NE	Unspecified Heap	1966	1:10560
B	123m NE	Refuse Heap	1948	1:10560
B	124m N	Refuse Heap	1955	1:10560
B	126m NE	Refuse Heaps	1938	1:10560
B	126m NE	Refuse Heaps	1938	1:10560
A	134m SW	Unspecified Ground Workings	1973	1:10000
C	135m NE	Unspecified Heap	1938	1:10560
C	135m NE	Unspecified Heap	1938	1:10560
C	135m NE	Unspecified Ground Workings	1948	1:10560
A	136m S	Unspecified Pit	1890	1:10560
B	151m NE	Unspecified Drift	1955	1:10560
A	160m S	Unspecified Ground Workings	1966	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
B	164m NE	Unspecified Drift	1948	1:10560
B	165m NE	Drift	1938	1:10560
B	165m NE	Drift	1938	1:10560
5	175m SW	Cuttings	1850	1:10560
E	243m SE	Unspecified Quarry	1890	1:10560

This is data is sourced from Ordnance Survey®/Groundsure.

18.3 Underground workings

Records within 1000m	**16**

Historical land uses identified from Ordnance Survey® mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Land Use	Year of mapping	Mapping scale
B	118m N	Colliery	1948	1:10560
B	120m N	Colliery	1955	1:10560
B	151m NE	Unspecified Drift	1955	1:10560
B	156m NE	Disused Air Shaft	1966	1:10560
B	164m NE	Unspecified Drift	1948	1:10560
19	757m SW	Colliery	1890	1:10560
-	848m NE	Colliery	1948	1:10560
-	901m NE	Unspecified Drift	1948	1:10560
-	912m NE	Unspecified Old Shaft	1948	1:10560
-	912m NE	Unspecified Old Shaft	1904	1:10560
-	917m NE	Unspecified Old Shaft	1955	1:10560
-	921m NE	Unspecified Disused Shaft	1992	1:10000
-	921m NE	Unspecified Disused Shaft	1982	1:10000
-	921m NE	Unspecified Disused Shaft	1974	1:10000
-	992m SE	Colliery	1890	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	1000m E	Colliery	1955	1:10560

This is data is sourced from Ordnance Survey®/Groundsure.

18.4 Underground mining extents

Records within 500m	0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m	0

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m	11

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining and ground workings map on **page 117 >**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Iron Ore (Bedded)**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**

ID	Location	Name	Commodity	Class	Likelihood
2	40m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
D	180m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
11	550m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
14	582m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	697m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	802m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
21	809m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
22	846m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	882m SW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	896m W	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	0

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	0

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	0

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

Areas which could be affected by past, current or future coal mining.

Location	Details
On site	**The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.**

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

This data is sourced from the Cheshire Brine Subsidence Compensation Board.

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

Generalised areas that may be affected by kaolin and ball clay extraction.

This data is sourced from the Kaolin and Ball Clay Association (UK).

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m	0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m	0

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m	0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

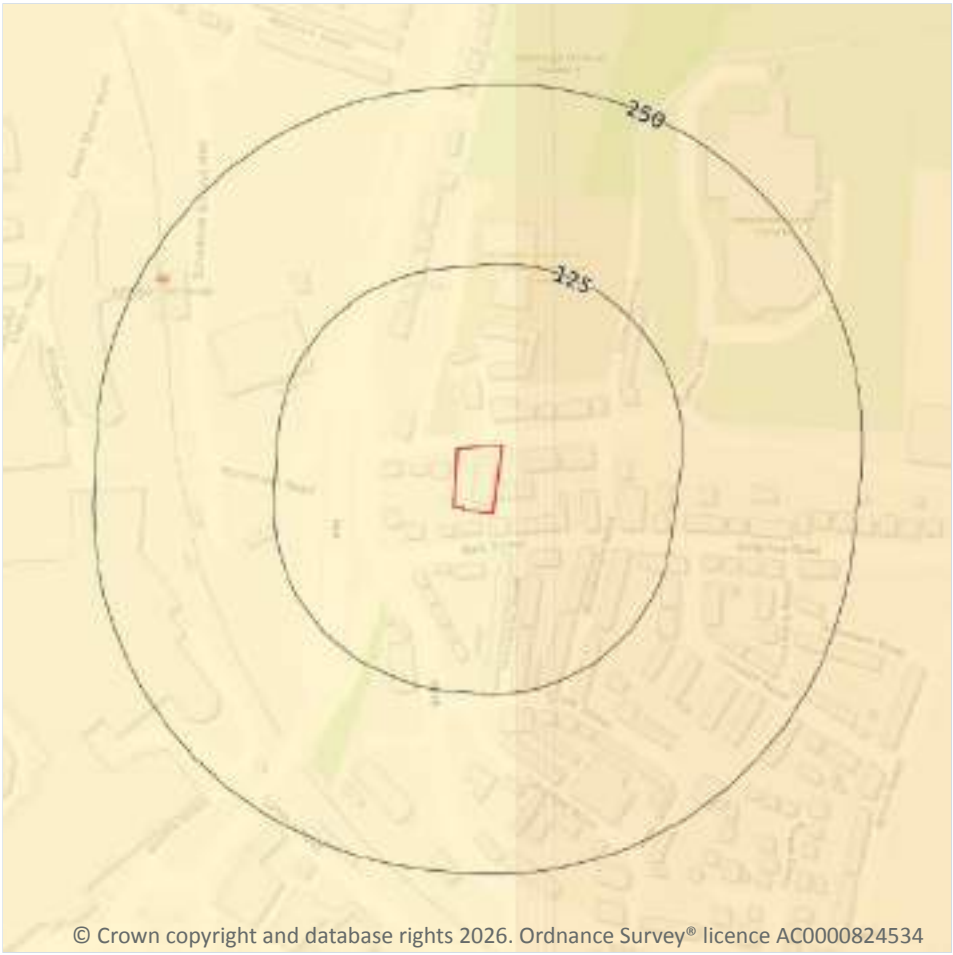
Records within 500m	0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey® maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.

This data is sourced from Groundsure.

20 Radon



Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

20.1 Radon

Records on site	1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on **page 128 >**

Location	Estimated properties affected	Radon Protection Measures required
On site	**Between 1% and 3%**	**None**

This data is sourced from the British Geological Survey and UK Health Security Agency.

21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m	4

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km^2. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km^2; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**90 - 120 mg/kg**	**30 - 45 mg/kg**
28m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
36m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
40m E	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

Site Outline

Search buffers in metres (m)

- Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

22.1 Underground railways (London)

Records within 250m	0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m	0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 Historical railway and tunnel features

Records within 250m	36

Railways and tunnels digitised from historical Ordnance Survey® mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 132 >**

Location	Land Use	Year of mapping	Mapping scale
142m NE	Railway Sidings	1938	10560
142m NE	Railway Sidings	1948	10560
142m NE	Railway Sidings	1955	10560
166m W	Railway Sidings	1966	10560
167m W	Railway Sidings	1956	10560
169m SW	Railway Sidings	1962	2500
169m W	Railway Sidings	1962	2500
169m W	Railway Sidings	1961	1250
169m SW	Railway Sidings	1961	1250
169m SW	Railway	1893	-
169m SW	Railway	1906	-
170m W	Railway Sidings	1890	10560
170m W	Railway Sidings	1948	10560
171m W	Railway Sidings	1938	10560
172m SW	Railway	1929	-
174m SW	Railway Sidings	1893	2500
174m SW	Railway Sidings	1906	2500

Location	Land Use	Year of mapping	Mapping scale
177m W	Railway Sidings	1929	10560
182m SW	Railway Sidings	1962	2500
183m W	Railway Sidings	1962	2500
183m W	Railway Sidings	1961	1250
185m W	Railway Sidings	1956	10560
190m S	Railway	1835	-
190m W	Railway	1932	-
190m W	Railway Sidings	1904	10560
191m NW	Railway Sidings	1973	10000
191m NW	Railway Sidings	1982	10000
193m NW	Railway Sidings	1961	1250
195m W	Railway Sidings	1850	10560
200m W	Railway Sidings	1948	10560
200m W	Railway Sidings	1929	10560
207m NW	Railway Sidings	1850	10560
210m W	Railway Sidings	1972	1250
210m W	Railway Sidings	1987	1250
238m S	Railway Sidings	1892	2500
238m S	Railway Sidings	1906	2500

This data is sourced from Ordnance Survey®/Groundsure.

22.5 Royal Mail tunnels

Records within 250m	**0**

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m	0

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m	13

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

Features are displayed on the Railway infrastructure and projects map on **page 132 >**

Location	Name	Type
179m W	Not given	Multi Track
179m SW	Hallam Line	rail
183m SW	Hallam Line	rail
183m SW	Hallam Line	rail
188m W	Hallam Line	rail
195m W	Not given	Multi Track
210m SW	Not given	Multi Track
211m SW	Hallam Line	rail
215m SW	Hallam Line	rail
234m NW	Not given	Multi Track
236m NW	Hallam Line	rail
237m S	Not given	Multi Track
239m NW	Hallam Line	rail

This data is sourced from Ordnance Survey® and OpenStreetMap.

22.8 Crossrail 2

Records within 500m	0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m	0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

This data is sourced from HS2 ltd.

Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see https://www.groundsure.com/sources-reference ↗.

Terms and conditions

Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.

Appendix 4

Photographs

Photo 1

Photo 2

Photo 3

Photo 4

Appendix 5

Consultants Coal Mining Report

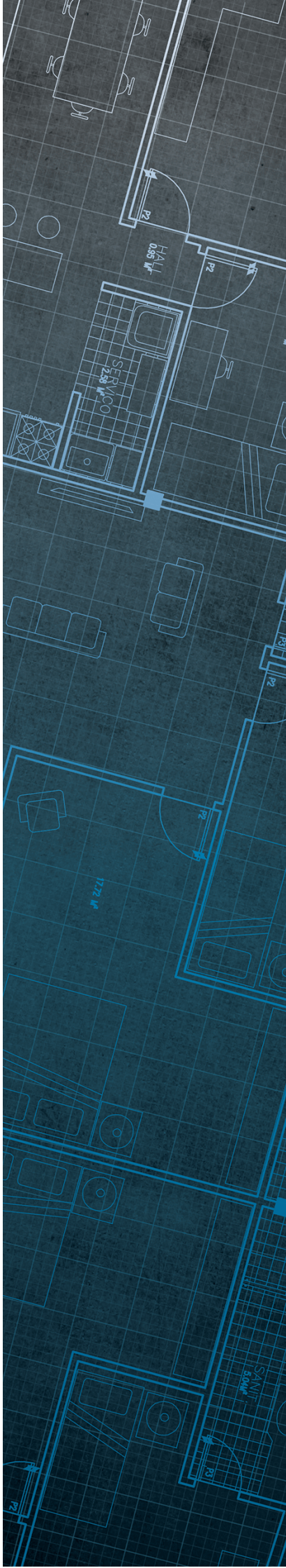
The Coal Authority

Consultants

Coal Mining Report

23 Queens Road
Barnsley
Barnsley
S71 1AN

Date of enquiry:	**13 March 2026**
Date enquiry received:	**13 March 2026**
Issue date:	**13 March 2026**
Our reference:	**51003558675001**
Your reference:	**C/5856/26/E/9093 - PO-3753**



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

ROGERS GEOTECHNICAL SERVICES LTD

Enquiry address

23 Queens Road
Barnsley
Barnsley
S71 1AN

Approximate position of property

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

reports@miningremediation.gov.uk

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	BARNSLEY	Coal	64SM	157	Beneath Property	6.2	East	188	1856
BARNSLEY MAIN	TOP HAIGH MOOR	Coal	64SS	256	North	5.7	East	137	1924
BARNSLEY MAIN	FENTON	Coal	4WA4	358	Beneath Property	5.3	East	170	1939
BARNSLEY MAIN	PARKGATE	Coal	4WA8	416	East	5.8	South-East	141	1945

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
Adit	434406-013	434982 406525	Treatment details unknown.*	Coal	
Shaft	435406-023	435035 406494	Treatment details unknown.*	Coal	
Adit	435406-024	435025 406475	Treatment details unknown.*	Coal	

*For your information, before the coal industry was nationalised in 1947, there was no requirement for a mine operator to record mine entry treatment details when a mine was abandoned. Therefore, it is not unusual for us to have no treatment details for many of the 176,000 recorded mine entries on our database. Despite this lack of information, please be assured that the fact we have no treatment recorded does not necessarily mean that the mine entries were left untreated when abandoned.

Abandoned mine plan catalogue numbers

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

1659	CT51	NE590
NE130	PO0	1940
13840	7113	NE129

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

For assistance in identifying the specific abandoned mine plans relevant to your requirements, **please contact us at InformationManagers@MiningRemediation.gov.uk**.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
MELTONFIELD	Coal	Yes	Within	N/A	356

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

Please refer to the “Summary of findings” map (on separate sheet) for details of any opencast areas 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

Distance to site investigation (m)	Direction
42.0	North-West

See Section 4 for further information.

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 in an area where a notice to withdraw support was given in 1947.

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.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

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.

Site investigations

The site is within an area of previous interest. It is close to where the Coal Authority has received information relating to past site investigations.

The site requires further investigation and may influence how you approach your risk assessment.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please email us at reports@miningremediation.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 **email us at reports@miningremediation.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. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

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.

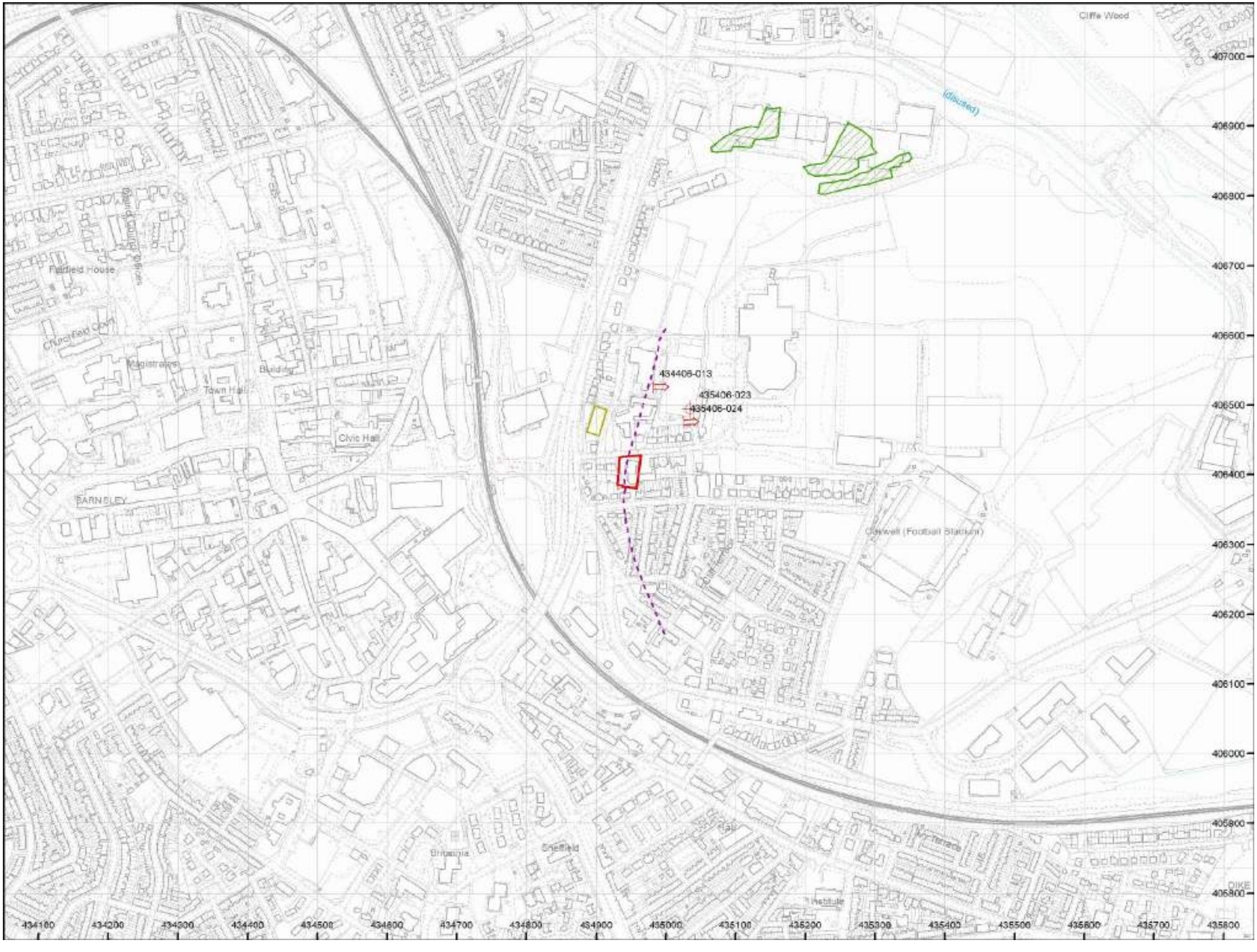
The Coal Authority

Summary of findings

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
- Disused adit
- Outcrop (Conjectured)
- Unlicensed opencast site
- Site investigations



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