

Land Adjacent to 212 Commonsidge

RB Geotechnical

Phase I Desk Study Report

# **Land Adjacent to 212 Commonsidge**

**Phase I Desk Study Report**

**April 2025**

Land Adjacent to 212 Commonsides  
Phase I Desk Study Report

**Document Control**

**Project:** Land Adjacent to 212 Commonsides Phase I Desk Study Report

**Client:** Kevin Sullivan

**Job Number:** RBG457

Prepared and Issued by Ross Blake BSc MSc FGS, Engineer. Signed:

<b>Issue</b>	<b>Date</b>	<b>Status</b>
001	April 2025	Final

## Phase I Desk Study Report

**Contents Page**

<b>Disclaimer</b> .....	<b>6</b>
<b>1.0 Introduction</b> .....	<b>6</b>
1.1 Aims and Scope .....	6
1.2 Terms and Conditions.....	7
1.3 Sources of information .....	7
<b>2.0 Site Details</b> .....	<b>8</b>
2.1 Site Location and Description.....	8
2.2 Proposed Development Plan .....	8
<b>3.0 Existing Information</b> .....	<b>8</b>
<b>4.0 Site History</b> .....	<b>9</b>
4.1 History of site and surrounding area .....	9
<b>5.0 Geology, Hydrogeology and Hydrology</b> .....	<b>9</b>
5.1 Geology.....	9
5.2 Hydrogeology .....	10
5.3 Hydrology .....	11
<b>6.0 Environmental Setting</b> .....	<b>11</b>
6.1 Waste Treatment and Disposal .....	11
6.2 Regulatory Permits, Incidents and Registers.....	12
6.3 Potentially Infilled Land .....	12
6.4 Sensitive Land Uses .....	12
6.5 Visual and Cultural Designations.....	12
6.6 Agricultural Designations .....	12
6.7 Habitat Designations .....	12
<b>7.0 Potentially Contaminative Sites</b> .....	<b>13</b>
7.1 Potentially Contaminative Land Uses.....	13
<b>8.0 Geotechnical Assessment</b> .....	<b>13</b>

Phase I Desk Study Report

8.1 Natural Hazards ..... 13

**9.0 Mining .....13**

**10.0 Conceptual Site Model .....13**

10.1 Introduction..... 13

10.2 Potential Contamination Sources..... 14

10.3 Potential Receptors ..... 15

10.4 Potential Pathways..... 15

10.5 Preliminary Risk Assessment ..... 16

**11.0 Conclusions.....20**

**12.0 Recommendations .....21**

**13.0 References.....21**

Phase I Desk Study Report

**APPENDIX CONTENTS**

**Appendix A                      EnviroInsight Groundsure Report**

**Appendix B                      Historical Ordnance Survey Maps**

**Appendix C                      Proposed Development Plan**

## Phase I Desk Study Report

### Disclaimer

This report was produced by **RB Geotechnical** for Kevin Sullivan (The client) for the specific purposes of a Phase I Desk Study related to the proposed residential development on the Land Adjacent to 212 Commonsides in Batley, West Yorkshire. This report may not be used by anyone else other than the client without their express permission. In any event, **RB Geotechnical** accepts no liability for any costs, liabilities or losses arising from the use of reliance upon the contents of this report by anyone other than the client.

## 1.0 Introduction

**RB Geotechnical** was commissioned by the client to carry out a Phase I Desk Study at Land Adjacent to 212 Commonsides in Batley, West Yorkshire, relating to the proposed development of four new residential properties.

### 1.1 Aims and Scope

The principal aims of this Phase I Desk Study is to interpret information pertaining to the site, obtained during a desk-based review of available data for the site.

The scope of this study is as follows:

- To provide general information on the site such as location and description;
- To discuss the geology, hydrogeology and hydrology at, and in the vicinity of, the site;
- To summarise the environmental setting of the site; e.g., landfills, permits and sensitive land uses;
- To summarise potential geotechnical risks associated with the site;
- To provide a preliminary summary of potential coal mining risks to the site;
- To discuss and summarise any historical development that have occurred at the site and in the surrounding area;
- To assess potential contamination issues pertaining to the site with consideration of the site's historic use;
- To develop an initial conceptual model linking sources of potential contamination with pathways and receptors; and
- To provide a preliminary risk assessment for the current and proposed end use of the site.

## Phase I Desk Study Report

Please note that this Phase I Desk Study excludes an assessment of risks arising from asbestos, unexploded ordnance and/or invasive species.

### 1.2 Terms and Conditions

This report has been prepared for the client in support of a planning application for the proposed residential development on the Land Adjacent to 212 Commonsides in Batley, West Yorkshire.

### 1.3 Sources of information

Information on the site layout and current land use of the site is mainly based on information collected from online sources and photos from other sources.

An environmental database search was undertaken by GroundSure to provide supplementary Environmental information for the site and surrounding area. This was collated into an Insight Report by Ground Sure and as such the potential for further data to exist cannot be ruled out.

The existing database and other sources of which this study is based comprise:

- GroundSure EnviroInsight Report, 212 Commonsides, 4<sup>th</sup> April 2025- Appendix A
- GroundSure 1:10,000 Historical Maps, 212 Commonsides, 4<sup>th</sup> April 2025, - Appendix B
- GroundSure 1:2,500 Historical Maps, 212 Commonsides, 4<sup>th</sup> April 2025 - Appendix B
- Patrick Parsons Consulting Engineers, Former Thornhill Motors Ground Investigation, June 2013;
- Environment Agency website ([www.environment-agency.gov.uk](http://www.environment-agency.gov.uk));
- British Geological Survey (BGS) Geoindex website ([www.bgs.ac.uk/geoindex](http://www.bgs.ac.uk/geoindex))
- Coal Authority Interactive Viewer ([www.mapapps2.bgs.ac.uk/coalauthority/home.html](http://www.mapapps2.bgs.ac.uk/coalauthority/home.html))

Although every effort has been made to ensure the accuracy of the information contained herein, no checks have been carried out to ensure the accuracy of information obtained from third parties and no liability can be accepted for any errors or misinterpretation of the third-party information where it has been incorporated into this report.

## Phase I Desk Study Report

### **2.0 Site Details**

#### **2.1 Site Location and Description**

The 0.16ha sized site is situated on the land adjacent to 212 Commonsides in Batley, West Yorkshire. It is accessed from the North off Commonsides. It currently comprises an undeveloped parcel of land, with construction waste and debris following demolition of the old buildings over the years. The site slopes up slightly from the North towards the South.

The National Grid Reference for the centre of the site is 425133, 423187.

#### **2.2 Proposed Development Plan**

The site is to be developed with four new residential properties, comprising two semi-detached houses and two detached houses, each with private gardens and driveways. The proposed development plan is shown in Appendix C.

### **3.0 Existing Information**

A ground investigation was carried out in 2013 by Patrick Parsons Consulting Engineers, comprising a number of machine excavated trial pits, to obtain shallow soil samples for lab testing and to identify a ground model for the site. Ground conditions were found to comprise Made Ground to depths of 0.40m to 0.90m, containing ash, sandstone and mixed gravelly clays, with the natural stratum encountered beneath this, extending to the base of the trial pits at depths from 1.0m to 1.50m as a stiff slightly gravelly CLAY. Intact Mudstone was encountered at depths from around 1.80mbgl.

Soil laboratory testing of the Made Ground identified two samples in which elevated levels of PAH was encountered (associated with the ash material within this stratum).

It was recommended that remedial measures would be required in areas of proposed soft landscaped gardens, in order to remove the risk of contaminated soils from coming into human contact.

## Phase I Desk Study Report

## 4.0 Site History

### 4.1 History of site and surrounding area

Information relating to the historical development of the site and the surrounding area has been obtained from Historical Ordnance Survey Maps (1:10,000 and 1:2,500). These are presented in Appendix B.

**Table 4.1 Summary of on-site and surrounding area history**

Map	On-Site Features	Surrounding Area
1854	The site is shown as having a large building in the centre, with the rest undeveloped.	The surrounding area is largely open fields, with some houses nearby. A Sandstone quarry is mapped approximately 200m to the North West of the site.
1854 – 1894	The site is now shown to have small buildings in the North of the site.	A house is mapped adjacent to the Eastern boundary with other buildings adjacent to the West. The surrounding area is also largely housing, although a smithy is mapped close to the Western boundary.
1894 – 1938	The site remains unchanged.	The surrounding area remains unchanged.
1938 – 1955	A larger building is now shown in the North of the site.	Allotments are mapped from approximately 20m to the North. The rest of the surrounding area remains largely unchanged.
1955 – 1976	The site remains largely unchanged.	The land once mapped as allotments to the north now shows more houses.
1976 – 1992	The site remains unchanged.	Further development to the North of the site.
1992 – present day	The site remains unchanged; however the buildings are no longer present.	The surrounding area remains largely unchanged.

## 5.0 Geology, Hydrogeology and Hydrology

### 5.1 Geology

Information relating to the geology of the site has primarily been sourced from the EnviroInsight Report and the BGS Geoindex website.

## Phase I Desk Study Report

### 5.1.1 Made Ground

According to the published geological maps and information on the BGS GeoIndex website, the site is not shown to be underlain by Made Ground.

### 5.1.2 Superficial Deposits

No superficial deposits are mapped beneath the site.

### 5.1.3 Solid Geology

Geological maps indicate that the site is underlain by bedrock of the Pennine Lower and Middle Coal Measures, Mudstone, Siltstone and Sandstone.

### 5.1.4 BGS Boreholes

No historical BGS boreholes are recorded nearby.

### 5.1.5 Faults and Seams

A number of coal seams are mapped within 250m of the site boundary, with the nearest fault mapped 292m to the North.

### 5.1.6 Radon

The EnviroInsight Report indicates that the property is not within a Radon Affected Area, as less than 1% of estimated properties affected. No Radon Protection Measures will be required.

## 5.2 Hydrogeology

### 5.2.1 Aquifers

The underlying bedrock is classified as being a Secondary A Aquifer, with permeable layers that are capable of supporting water supplies.

### 5.2.2 Groundwater, Surface Water and Potable Water Abstraction Licences

The EnviroInsight Report indicates that there is one Surface Water Abstraction mapped 412m to the North West, associated with general use from Batley Beck. There are no Groundwater or Potable Water abstractions situated within 500m of the site boundary.

## Phase I Desk Study Report

### 5.2.3 Licensed Discharges

There are 11 recorded Licensed Discharges to controlled waters mapped within 500m of the site boundary, all of which are associated with sewage discharges.

### 5.2.4 Pollution Incidents to Controlled Waters

The EnviroInsight Report shows no significant pollution incidents to controlled water within 250m of the site boundary.

## 5.3 Hydrology

No water networks are mapped within 250m of the site boundary.

### 5.3.1 Flood Risk

The EnviroInsight Report states that the site is not situated within either a Zone 2 Fluvial/Tidal Model or Zone 3 Fluvial Model floodplain. The site is classified as being at a **LOW** Risk of flooding from Rivers or Sea, with a **NEGLIGIBLE** Risk of Surface Water flooding and Groundwater flooding.

### 5.3.2 Source Protection Zones

The site is not located within a Source Protection Zone.

## 6.0 Environmental Setting

### 6.1 Waste Treatment and Disposal

#### 6.1.1 Landfill Sites

There are no historic or currently active landfill sites mapped within 250m of the site boundary.

#### 6.1.2 Other Waste Sites

No other waste sites mapped within 250m of the site boundary.

## Phase I Desk Study Report

### **6.2 Regulatory Permits, Incidents and Registers**

#### **6.2.1 Control of Major Hazard Sites /Notification of Installations Handling Substances**

The EnviroInsight Report indicates there are no Control of Major Hazard sites (COMAH) or Notification of Installations Handling Substances (NIHHS) within 250m of the site boundary.

#### **6.2.2 Hazardous Substance Storage/Usage**

There are no records of Hazardous substance storage/usage within 500m of the site boundary.

### **6.3 Potentially Infilled Land**

There are no areas of infilled land mapped within 250m of the site boundary.

### **6.4 Sensitive Land Uses**

The site is situated within Green Belt Land and an SSSI Impact Risk Zone associated with air pollution. No other classified sensitive land uses are mapped either on or within 1000m of the site.

### **6.5 Visual and Cultural Designations**

The site is located within a Conservation Area of Harrogate and there are some listed buildings 160m to the East, 190m to the South East and 246m to the South.

### **6.6 Agricultural Designations**

The site is in Urban land, which is defined as non agricultural. No other Agricultural Designations are mapped within 250m of the site boundary.

### **6.7 Habitat Designations**

There are two Priority Habitat Inventories within 250m of the site boundary, both deciduous woodlands, situated 194m to the North West and 223m to the North West. No other Habitat Designations are mapped within 250m of the site boundary.

## Phase I Desk Study Report

## 7.0 Potentially Contaminative Sites

### 7.1 Potentially Contaminative Land Uses

Historical potentially contaminated land uses within 250m of the site boundary have been identified as the Smithy on site, unspecified ground workings and pits. Current potentially contaminative land uses identified within 250m of the site boundary are the vehicle repair garage situated adjacent to the Western site boundary, and electrical sub-stations situated from 104m to the South West and 135m to the West.

## 8.0 Geotechnical Assessment

### 8.1 Natural Hazards

The EnviroInsight Report states that the site has a **Negligible** risk of Running Sands, Compressible Deposits and Ground Dissolution of Soluble Rocks, a **Very Low** risk of Shrink Swell Clays and Collapsible Deposits and a **Moderate** risk of Landslides.

## 9.0 Mining

The site is within a Coal Mining Area, whereby three seams of coal are mapped that could affect the site. An intrusive investigation is to be carried out across the site to assess for potential unrecorded mine workings.

The site is not within a Non-Coal Mining Area.

## 10.0 Conceptual Site Model

### 10.1 Introduction

A preliminary **Conceptual Site Model** (CSM) has been developed for the site, to assess any constraints on the proposed development arising from contamination which may be present. The CSM describes the relationship between contamination which may be present from past and current activities, both on and off site, along with potential receptors of that contamination.

## Phase I Desk Study Report

The site has been assessed in line with current UK guidelines and follows the procedures set out in the Environmental Agency 'Land Contamination Risk Management' (LCRM) web pages which are accessible via the government website.

LCRM provides the technical framework for structured decision making about land contamination and builds on previous work carried out under the Contaminated Land Research Programme of the former Department of the Environment. LCRM has adopted and refined the methodology and terminology that has been used in contaminated land risk assessment for a number of years.

LCRM defines the three essential elements to any risk:

- **A contaminant source** - a substance that is in, on or under land and has the potential to cause harm or to cause pollution of controlled waters;
- **A receptor** – in general terms, something that could be adversely affected by a contaminant, such as people, an ecological system, property or a water body; and
- **A pathway** - a route or means by which a receptor can be exposed to or affected by a contaminant.

Each of these elements can exist independently, but they create a risk only where they are linked together, so that a particular contaminant affects a particular receptor through a particular pathway. This kind of linked combination of source-pathway-receptor is described as a **Potential Pollutant Linkage (PPL)**.

It should be noted that at this preliminary stage, the assessment is based only on a desk-based study. A quantitative assessment of the potential risk is not possible at this stage of the assessment.

This report presents a Preliminary Conceptual Site Model and Preliminary Risk Assessments for the site, based on a **Residential** end use.

## 10.2 Potential Contamination Sources

### 10.2.1 On Site Sources

Potential on-site sources of contamination have been identified due to the sites historical buildings and adjacent car garage, therefore resulting in Made Ground and possible soil contamination.

## Phase I Desk Study Report

### 10.2.2 Off Site Sources

No Possible off-site sources of contamination have been identified.

## 10.3 Potential Receptors

### 10.3.1 Human Receptors

Based on the proposed use of the site, on-site receptors include:

- Current site users;
- New Residents;
- Construction workers involved in the proposed development. Note that potential contamination risks to construction workers will be mitigated by appropriate risk assessments and mitigation measures required by Control of Substances Hazardous to Health (COSHH) and Construction, Design and Management (CDM) regulations.

### 10.3.2 Controlled Waters Receptors

The following on-site controlled waters receptors include:

- Groundwater within the underlying Aquifers.

### 10.3.3 Buildings Receptors

The proposed new buildings are a potential receptor.

## 10.4 Potential Pathways

### 10.4.1 On-Site Human Receptors

Potential pathways to future human receptors on site include:

- Dermal contact or ingestion with contaminated soils;
- Inhalation of contaminants in soil derived dust;
- Migration and inhalation of gases and vapours outdoors or indoors;

## Phase I Desk Study Report

- Contamination of drinking water pipes by contaminated soils/water leading to the ingestion of contaminated drinking water.

### 10.4.2 Controlled Waters

Potential pathways to on-site controlled water receptors (groundwater) include:

- Leaching of contaminants and/or migration of contaminants from the unsaturated zone of soils to groundwater (Aquifers) in natural strata;
- Vertical migration of contaminants in shallow groundwater to deeper strata and aquifers;
- Lateral migration of impacted water through service conduits, drainage systems and possible perched groundwater pathways to surface water receptors.

### 10.4.3 Buildings

Potential pathways from off-site sources to the on-site property receptor include:

- Migration and accumulation of ground gas or vapours in buildings or structures.

## 10.5 Preliminary Risk Assessment

Based on the stated potential sources of contaminants identified and the receptors and pathways described, an assessment of the environmental risks has been made with reference to the significance and degree of risk. This assessment is based on consideration of whether the source contamination can reach a receptor and hence whether it is of a major or minor significance.

A preliminary Conceptual Site Model (CSM) of the Potential Pollutant Linkages (PPL) has been developed based on the information derived from this desk study for the site. This CSM has been used to identify potentially Relevant PPLs for the current and proposed end uses which have been assessed qualitatively using CIRIA 552 guidance, as described in Table 10.1 and Table 10.2.

## Phase I Desk Study Report

**Table 10.1 Classification of Consequence**

Consequence	Criteria
<b>Severe</b>	Short term (acute) risk to Human Health likely to result in “significant harm” as defined by the Environmental Protection Act 1990, Part IIa. Short term risk of pollution of sensitive water resource. Catastrophic damage to buildings / property
<b>Moderate</b>	Chronic damage to Human Health likely, over a long term, to result in “significant harm” as defined by the Environmental Protection Act 1990, Part IIa. Pollution of sensitive water resources
<b>Mild</b>	Health effects to Human Health that are unlikely to result in “significant harm” as defined by the Environmental Protection Act 1990, Part IIa. Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings / structures / services or the environment
<b>Negligible</b>	Non-permanent health effects to Human Health that are unlikely to result in “significant harm” as defined by the Environmental Protection Act 1990, Part IIa. Those that are easily prevented by means such as personal protective clothing. Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve.

**Table 10.2 Classification of Probability**

Probability	Criteria
<b>Almost Certain</b>	Circumstances are such that an event either appears very likely in the short term and almost inevitable over the long term or there is evidence of currently harm occurring
<b>Likely</b>	Circumstances are such that an event, whilst not inevitable, is possible in the short term and is likely to occur over the long term
<b>Unlikely</b>	Circumstances are such that it is possible an event could occur, but it is by no means certain to occur even over a longer period, and it is less likely in the shorter term
<b>Very Unlikely</b>	Pollutant linkage may be present, but the circumstances under which harm would occur are improbable even in the medium to long term
<b>Extremely Unlikely</b>	Pollutant linkage may be present, but the circumstances under which harm would occur are highly improbable even in the long term

Once the consequence and probability have been classified, these can then be compared to produce a risk category (using Table 10.3), ranging from **Very High Risk** to **Very Low Risk**, with the definitions summarised in Table 10.4.

## Phase I Desk Study Report

**Table 10.3 Comparison of Consequence against Probability**

Consequence Probability	Severe	Moderate	Mild	Negligible
Almost Certain	Very High Risk	High Risk	Moderate Risk	Low Risk
Likely	High Risk	Moderate Risk	Moderate/ Low Risk	Low Risk
Unlikely	Moderate Risk	Moderate/ Low Risk	Low Risk	Very Low Risk
Very Unlikely	Low Risk	Low Risk	Very Low Risk	Very Low Risk
Extremely Unlikely	Very Low Risk	Very Low Risk	Very Low Risk	Very Low Risk

**Table 10.4 Description of the Classified Risks and Likely Action Required**

Risk	Criteria
Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remediation action
High	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remediation action.
Moderate	It is possible that without appropriate remediation action, harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild
Low	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at works, if any harm were to be realised, any such effects would be mild.
Very Low	There is very low possibility that harm could arise to the receptor, but it is likely that this harm, if realised, would be mild at worst

In accordance with CLR11, professional judgement has been employed to evaluate the risk on a qualitative basis using available information.

A summary of the pollution linkages identified during the desk study are provided in Table 10.5.

**Table 10.5 Conceptual Site Model of Potential Pollutant Linkages**

Source	Receptor	Pathway	Risk	Discussion
Contaminants in soil, soil derived dust, surface water run-off, groundwater, and as vapours/ground gas	New Residents	<ul style="list-style-type: none"> <li>• Dermal contact or ingestion contaminants in soil-derived dust and entrained surface water run-off from areas where soil is exposed at the surface or where excavation takes place and in shallow groundwater in the natural strata if excavation takes place below the water table.</li> <li>• Inhalation of contaminants in soil derived dust from areas where soil is exposed at the surface of where excavation takes place.</li> <li>• Inhalation of soil and water derived vapours and ground gas outdoors</li> <li>• Inhalation of soil derived, and water derived vapours and ground gas indoors where it may have accumulated in buildings and enclosed spaces.</li> </ul>	Moderate/Low	Made Ground identified on site during previous investigation, in addition to elevated levels of PAH's in shallow soils. Remedial measures therefore required.
	Construction Workers	<ul style="list-style-type: none"> <li>• Dermal contact or ingestion contaminants in soil-derived dust and entrained surface water run-off from areas where soil is exposed at the surface or where excavation takes place and in shallow groundwater in the natural strata if excavation takes place below the water table.</li> <li>• Inhalation of contaminants in soil derived dust from areas where soil is exposed at the surface of where excavation takes place.</li> </ul>	Low	Construction workers will wear necessary PPE during the development works, thus reducing any risk of contact with potential contaminants.
Contaminants in Soil	Groundwater within the underlying soils and bedrock (Aquifer)	<ul style="list-style-type: none"> <li>• Leaching of contaminants and/or migration of free phase contaminants from the unsaturated zone soils to groundwater in the natural strata</li> <li>• Vertical migration of contaminants in shallow groundwater to deeper strata and aquifer</li> </ul>	Low	The aquifer is likely to be at a depth that will not be affected by potential soil contaminants
Contaminants in soil, surface water runoff, groundwater and as vapours/ground gas	Surface Water	<ul style="list-style-type: none"> <li>• Lateral migration of contaminants and/or migration of free phase contaminants present in the Made Ground via groundwater to surface water discharge</li> <li>• Lateral migration of contaminants and/or migration of free phase contaminants present in the Made Ground and entrained in surface water runoff</li> </ul>	Low	No surface water features on the site are deemed to present a risk to future human usage.
Contaminants in soil, groundwater and as vapours/ground gas	Building	<ul style="list-style-type: none"> <li>• Accumulation of soil and water derived vapours/and or ground gas in enclosed spaces</li> </ul>	Low	No on-site or off-site sources of ground gases identified.
Contaminants in soil	Water Supply Routes	<ul style="list-style-type: none"> <li>• Migration of heavy metal contaminants into newly placed water supply routes</li> </ul>	Low	No other contamination risks identified.

## Phase I Desk Study Report

## 11.0 Conclusions

The site is proposed to have four new residential properties constructed, each with private driveways and back gardens.

Historically the site has been used as a vehicle repair garage but has since had the buildings demolished.

Potential on-site sources of contamination were identified as contaminated Made Ground associated with historical building construction and demolition. An intrusive investigation carried out in 2013 identified Made Ground to depths up to 0.90m, with PAH contamination identified. Remedial measures will therefore be necessary, which means also a Remediation Strategy and Validation Report also required.

In summary, on the basis of the above listed contaminant sources it is concluded that:

- Contaminants are likely to be present in, on or under the land at the site from either on-site or off-site sources; and
- Future on site receptors to any form of contamination have been identified as the construction workers, residents, the new buildings, surface water and the groundwater.

A qualitative risk assessment of the identified potential pathways of contamination to the site have been summarised in Table 9.5. The following risks have been designated:

- Future Human Receptors –Moderate/Low Risk
- Construction Workers –Low Risk
- Groundwater –Low Risk
- Surface Water –Low Risk
- New Buildings – Moderate/Low Risk
- Utilities – Low Risk

## Phase I Desk Study Report

Based on the review of all available historical data, it has been established that overall, a **MODERATE/LOW** risk of potential pollutant linkage to the site exists. This risk has been identified due to the presence of contaminated Made Ground encountered during the intrusive investigation. Remedial measures will therefore be required.

## 12.0 Recommendations

Due to the presence of contaminated Made Ground on site, a remediation strategy will be required to identify and formally set out the remedial measures that will be required on the site. This will be followed by a Validation report, to confirm that the remedial measures have been implemented successfully.

The site is also in a development high risk area, associated with coal mining and therefore an intrusive investigation is required to assess for potential unrecorded mine workings.

## 13.0 References

- BS 5930: (2015) Code of Practice for Site Investigations. British Standards Institution.
- BS 10175: (2011) Code of Practice for the Investigation of Potentially Contaminated Sites. British Standard Institution.
- CIRIA 552: (2001) Contaminated Land Risk Assessment, A guide to good practice.

## **APPENDIX A – GROUNDSURE REPORT**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

## Order Details

**Date:** 04/04/2025  
**Your ref:** RBG457  
**Our Ref:** GS-4AB-8SA-64R-539

## Site Details

**Location:** 425133 423187  
**Area:** 0.16 ha  
**Authority:** [Kirklees Council](#) ↗



[Summary of findings](#)

[p. 2 > Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.13 > Insight User Guide](#) ↗

Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com) ↗

01273 257 755

## Summary of findings

Page	Section	<a href="#">Past land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">14 &gt;</a>	<a href="#">1.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	1	0	11	90	-
<a href="#">18 &gt;</a>	<a href="#">1.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	0	96	-
<a href="#">22 &gt;</a>	<a href="#">1.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	0	13	42	-
24	1.4	Historical petrol stations	0	0	0	0	-
<a href="#">25 &gt;</a>	<a href="#">1.5 &gt;</a>	<a href="#">Historical garages &gt;</a>	0	0	0	14	-
25	1.6	Historical military land	0	0	0	0	-
Page	Section	<a href="#">Past land use - un-grouped &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">26 &gt;</a>	<a href="#">2.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	1	0	12	127	-
<a href="#">32 &gt;</a>	<a href="#">2.2 &gt;</a>	<a href="#">Historical tanks &gt;</a>	0	0	0	167	-
<a href="#">38 &gt;</a>	<a href="#">2.3 &gt;</a>	<a href="#">Historical energy features &gt;</a>	0	0	23	69	-
41	2.4	Historical petrol stations	0	0	0	0	-
<a href="#">42 &gt;</a>	<a href="#">2.5 &gt;</a>	<a href="#">Historical garages &gt;</a>	0	0	0	25	-
Page	Section	<a href="#">Waste and landfill &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
44	3.1	Active or recent landfill	0	0	0	0	-
44	3.2	Historical landfill (BGS records)	0	0	0	0	-
45	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<a href="#">45 &gt;</a>	<a href="#">3.4 &gt;</a>	<a href="#">Historical landfill (EA/NRW records) &gt;</a>	0	0	0	2	-
<a href="#">45 &gt;</a>	<a href="#">3.5 &gt;</a>	<a href="#">Historical waste sites &gt;</a>	0	0	0	14	-
<a href="#">47 &gt;</a>	<a href="#">3.6 &gt;</a>	<a href="#">Licensed waste sites &gt;</a>	0	0	0	1	-
<a href="#">48 &gt;</a>	<a href="#">3.7 &gt;</a>	<a href="#">Waste exemptions &gt;</a>	0	0	72	51	-
Page	Section	<a href="#">Current industrial land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">58 &gt;</a>	<a href="#">4.1 &gt;</a>	<a href="#">Recent industrial land uses &gt;</a>	0	1	2	-	-
59	4.2	Current or recent petrol stations	0	0	0	0	-
59	4.3	Electricity cables	0	0	0	0	-
59	4.4	Gas pipelines	0	0	0	0	-
59	4.5	Sites determined as Contaminated Land	0	0	0	0	-



59	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
60	4.7	Regulated explosive sites	0	0	0	0	-
60	4.8	Hazardous substance storage/usage	0	0	0	0	-
60	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
60	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
<b>60 &gt;</b>	<b>4.11 &gt;</b>	<b><u>Licensed pollutant release (Part A(2)/B) &gt;</u></b>	0	0	0	2	-
61	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>61 &gt;</b>	<b>4.13 &gt;</b>	<b><u>Licensed Discharges to controlled waters &gt;</u></b>	0	0	0	11	-
63	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
63	4.15	Pollutant release to public sewer	0	0	0	0	-
63	4.16	List 1 Dangerous Substances	0	0	0	0	-
<b>64 &gt;</b>	<b>4.17 &gt;</b>	<b><u>List 2 Dangerous Substances &gt;</u></b>	0	0	0	1	-
<b>64 &gt;</b>	<b>4.18 &gt;</b>	<b><u>Pollution Incidents (EA/NRW) &gt;</u></b>	0	0	0	8	-
65	4.19	Pollution inventory substances	0	0	0	0	-
65	4.20	Pollution inventory waste transfers	0	0	0	0	-
66	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<b><u>Hydrogeology &gt;</u></b>	On site	0-50m	50-250m	250-500m	500-2000m
<b>67 &gt;</b>	<b>5.1 &gt;</b>	<b><u>Superficial aquifer &gt;</u></b>	Identified (within 500m)				
<b>68 &gt;</b>	<b>5.2 &gt;</b>	<b><u>Bedrock aquifer &gt;</u></b>	Identified (within 500m)				
<b>70 &gt;</b>	<b>5.3 &gt;</b>	<b><u>Groundwater vulnerability &gt;</u></b>	Identified (within 50m)				
71	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
71	5.5	Groundwater vulnerability- local information	None (within 0m)				
<b>72 &gt;</b>	<b>5.6 &gt;</b>	<b><u>Groundwater abstractions &gt;</u></b>	0	0	0	0	14
<b>76 &gt;</b>	<b>5.7 &gt;</b>	<b><u>Surface water abstractions &gt;</u></b>	0	0	0	1	3
77	5.8	Potable abstractions	0	0	0	0	0
78	5.9	Source Protection Zones	0	0	0	0	-
78	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<b><u>Hydrology &gt;</u></b>	On site	0-50m	50-250m	250-500m	500-2000m
79	6.1	Water Network (OS MasterMap)	0	0	0	-	-



79	6.2	Surface water features	0	0	0	-	-
<a href="#">80</a> >	<a href="#">6.3</a> >	<a href="#">WFD Surface water body catchments</a> >	1	-	-	-	-
<a href="#">80</a> >	<a href="#">6.4</a> >	<a href="#">WFD Surface water bodies</a> >	0	0	0	-	-
<a href="#">81</a> >	<a href="#">6.5</a> >	<a href="#">WFD Groundwater bodies</a> >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
82	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
82	7.2	Historical Flood Events	0	0	0	-	-
82	7.3	Flood Defences	0	0	0	-	-
83	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
83	7.5	Flood Storage Areas	0	0	0	-	-
84	7.6	Flood Zone 2	None (within 50m)				
84	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
85	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
<a href="#">86</a> >	<a href="#">9.1</a> >	<a href="#">Groundwater flooding</a> >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
87	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
88	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
88	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
88	10.4	Special Protection Areas (SPA)	0	0	0	0	0
88	10.5	National Nature Reserves (NNR)	0	0	0	0	0
89	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
<a href="#">89</a> >	<a href="#">10.7</a> >	<a href="#">Designated Ancient Woodland</a> >	0	0	0	0	1
89	10.8	Biosphere Reserves	0	0	0	0	0
89	10.9	Forest Parks	0	0	0	0	0
90	10.10	Marine Conservation Zones	0	0	0	0	0
<a href="#">90</a> >	<a href="#">10.11</a> >	<a href="#">Green Belt</a> >	1	0	0	0	6
90	10.12	Proposed Ramsar sites	0	0	0	0	0



91	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
91	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
91	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<a href="#">91</a> >	<a href="#">10.16</a> >	<a href="#">Nitrate Vulnerable Zones</a> >	0	0	0	0	1
<a href="#">93</a> >	<a href="#">10.17</a> >	<a href="#">SSSI Impact Risk Zones</a> >	1	-	-	-	-
94	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
95	11.1	World Heritage Sites	0	0	0	-	-
95	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
95	11.3	National Parks	0	0	0	-	-
95	11.4	Listed Buildings	0	0	0	-	-
96	11.5	Conservation Areas	0	0	0	-	-
96	11.6	Scheduled Ancient Monuments	0	0	0	-	-
96	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<a href="#">Agricultural designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">97</a> >	<a href="#">12.1</a> >	<a href="#">Agricultural Land Classification</a> >	Urban (within 250m)				
98	12.2	Open Access Land	0	0	0	-	-
98	12.3	Tree Felling Licences	0	0	0	-	-
98	12.4	Environmental Stewardship Schemes	0	0	0	-	-
98	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<a href="#">Habitat designations</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">99</a> >	<a href="#">13.1</a> >	<a href="#">Priority Habitat Inventory</a> >	0	0	2	-	-
100	13.2	Habitat Networks	0	0	0	-	-
100	13.3	Open Mosaic Habitat	0	0	0	-	-
100	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<a href="#">Geology 1:10,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">101</a> >	<a href="#">14.1</a> >	<a href="#">10k Availability</a> >	Identified (within 500m)				
<a href="#">102</a> >	<a href="#">14.2</a> >	<a href="#">Artificial and made ground (10k)</a> >	0	0	2	3	-
<a href="#">104</a> >	<a href="#">14.3</a> >	<a href="#">Superficial geology (10k)</a> >	0	0	0	1	-



<a href="#">105</a> >	<a href="#">14.4</a> >	<a href="#">Landslip (10k)</a> >	0	0	1	0	-
<a href="#">106</a> >	<a href="#">14.5</a> >	<a href="#">Bedrock geology (10k)</a> >	2	1	9	5	-
<a href="#">107</a> >	<a href="#">14.6</a> >	<a href="#">Bedrock faults and other linear features (10k)</a> >	1	1	4	5	-
Page	Section	<a href="#">Geology 1:50,000 scale</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">109</a> >	<a href="#">15.1</a> >	<a href="#">50k Availability</a> >	Identified (within 500m)				
<a href="#">110</a> >	<a href="#">15.2</a> >	<a href="#">Artificial and made ground (50k)</a> >	0	0	1	1	-
111	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<a href="#">112</a> >	<a href="#">15.4</a> >	<a href="#">Superficial geology (50k)</a> >	0	0	0	1	-
113	15.5	Superficial permeability (50k)	None (within 50m)				
<a href="#">113</a> >	<a href="#">15.6</a> >	<a href="#">Landslip (50k)</a> >	0	0	1	0	-
113	15.7	Landslip permeability (50k)	None (within 50m)				
<a href="#">114</a> >	<a href="#">15.8</a> >	<a href="#">Bedrock geology (50k)</a> >	2	1	4	3	-
<a href="#">115</a> >	<a href="#">15.9</a> >	<a href="#">Bedrock permeability (50k)</a> >	Identified (within 50m)				
<a href="#">115</a> >	<a href="#">15.10</a> >	<a href="#">Bedrock faults and other linear features (50k)</a> >	1	1	1	3	-
Page	Section	<a href="#">Boreholes</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">117</a> >	<a href="#">16.1</a> >	<a href="#">BGS Boreholes</a> >	0	0	7	-	-
Page	Section	<a href="#">Natural ground subsidence</a> >					
<a href="#">119</a> >	<a href="#">17.1</a> >	<a href="#">Shrink swell clays</a> >	Very low (within 50m)				
<a href="#">120</a> >	<a href="#">17.2</a> >	<a href="#">Running sands</a> >	Negligible (within 50m)				
<a href="#">121</a> >	<a href="#">17.3</a> >	<a href="#">Compressible deposits</a> >	Negligible (within 50m)				
<a href="#">122</a> >	<a href="#">17.4</a> >	<a href="#">Collapsible deposits</a> >	Very low (within 50m)				
<a href="#">123</a> >	<a href="#">17.5</a> >	<a href="#">Landslides</a> >	Moderate (within 50m)				
<a href="#">125</a> >	<a href="#">17.6</a> >	<a href="#">Ground dissolution of soluble rocks</a> >	Negligible (within 50m)				
Page	Section	<a href="#">Mining and ground workings</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">127</a> >	<a href="#">18.1</a> >	<a href="#">BritPits</a> >	0	0	1	1	-
<a href="#">128</a> >	<a href="#">18.2</a> >	<a href="#">Surface ground workings</a> >	0	0	9	-	-
<a href="#">129</a> >	<a href="#">18.3</a> >	<a href="#">Underground workings</a> >	0	0	0	0	16
129	18.4	Underground mining extents	0	0	0	0	-
130	18.5	Historical Mineral Planning Areas	0	0	0	0	-



130	18.6	Non-coal mining	0	0	0	0	0
130	18.7	JPB mining areas	None (within 0m)				
130	18.8	The Coal Authority non-coal mining	0	0	0	0	-
131	18.9	Researched mining	0	0	0	0	-
131	18.10	Mining record office plans	0	0	0	0	-
131	18.11	BGS mine plans	0	0	0	0	-
<a href="#">131</a> >	<a href="#">18.12</a> >	<a href="#">Coal mining</a> >	Identified (within 0m)				
132	18.13	Brine areas	None (within 0m)				
132	18.14	Gypsum areas	None (within 0m)				
132	18.15	Tin mining	None (within 0m)				
132	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
133	19.1	Natural cavities	0	0	0	0	-
133	19.2	Mining cavities	0	0	0	0	0
133	19.3	Reported recent incidents	0	0	0	0	-
133	19.4	Historical incidents	0	0	0	0	-
Page	Section	<a href="#">Radon</a> >					
<a href="#">135</a> >	<a href="#">20.1</a> >	<a href="#">Radon</a> >	Less than 1% (within 0m)				
Page	Section	<a href="#">Soil chemistry</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">137</a> >	<a href="#">21.1</a> >	<a href="#">BGS Estimated Background Soil Chemistry</a> >	2	1	-	-	-
137	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
137	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	<a href="#">Railway infrastructure and projects</a> >	On site	0-50m	50-250m	250-500m	500-2000m
138	22.1	Underground railways (London)	0	0	0	-	-
138	22.2	Underground railways (Non-London)	0	0	0	-	-
139	22.3	Railway tunnels	0	0	0	-	-
<a href="#">139</a> >	<a href="#">22.4</a> >	<a href="#">Historical railway and tunnel features</a> >	0	0	1	-	-
139	22.5	Royal Mail tunnels	0	0	0	-	-
<a href="#">139</a> >	<a href="#">22.6</a> >	<a href="#">Historical railways</a> >	0	0	2	-	-



<a href="#">140</a> >	<a href="#">22.7</a> >	<a href="#">Railways</a> >	0	0	5	-	-
140	22.8	Crossrail 2	0	0	0	0	-
140	22.9	HS2	0	0	0	0	-

## Recent aerial photograph

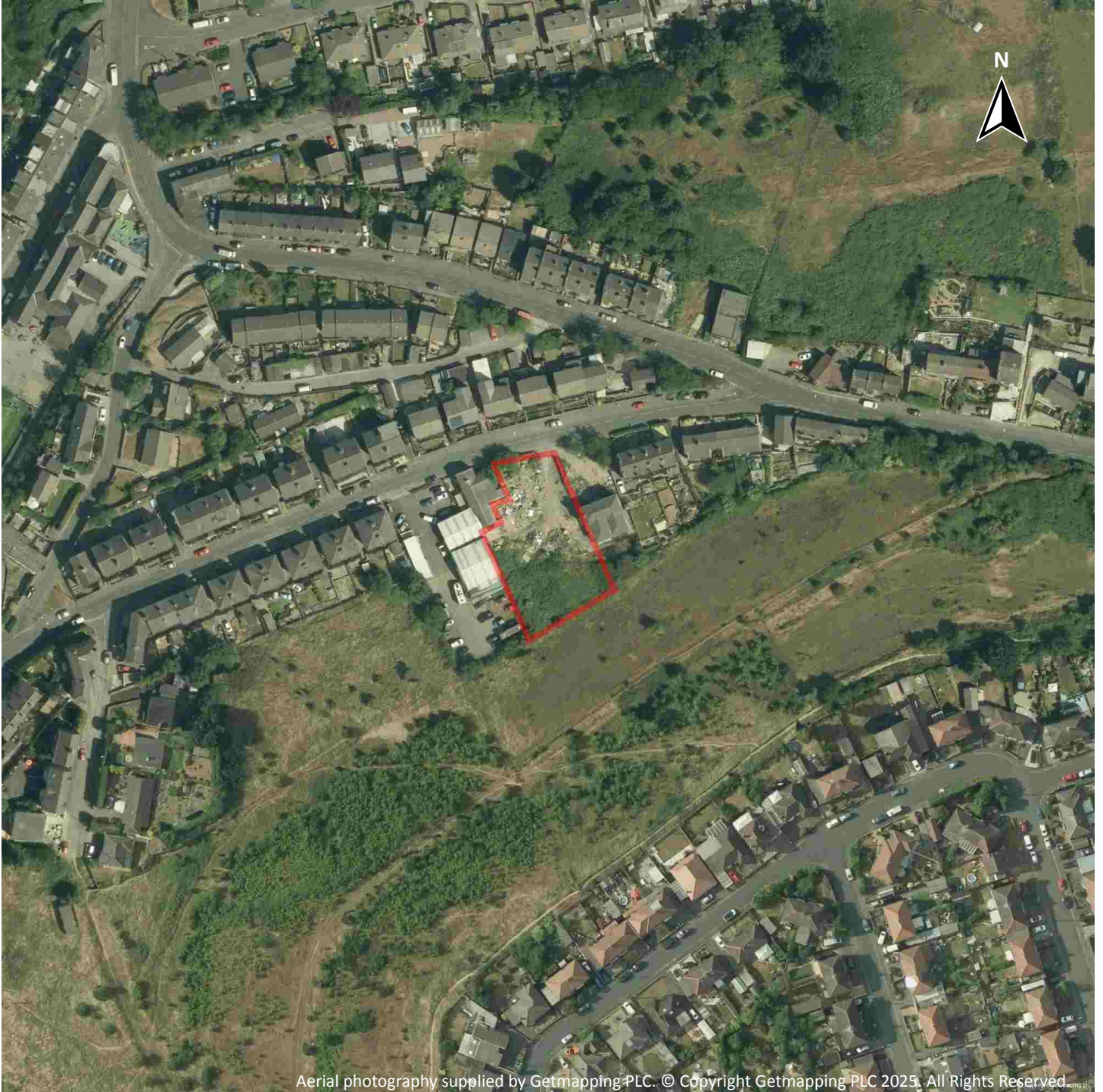


Capture Date: 30/05/2021

Site Area: 0.16ha



## Recent site history - 2018 aerial photograph

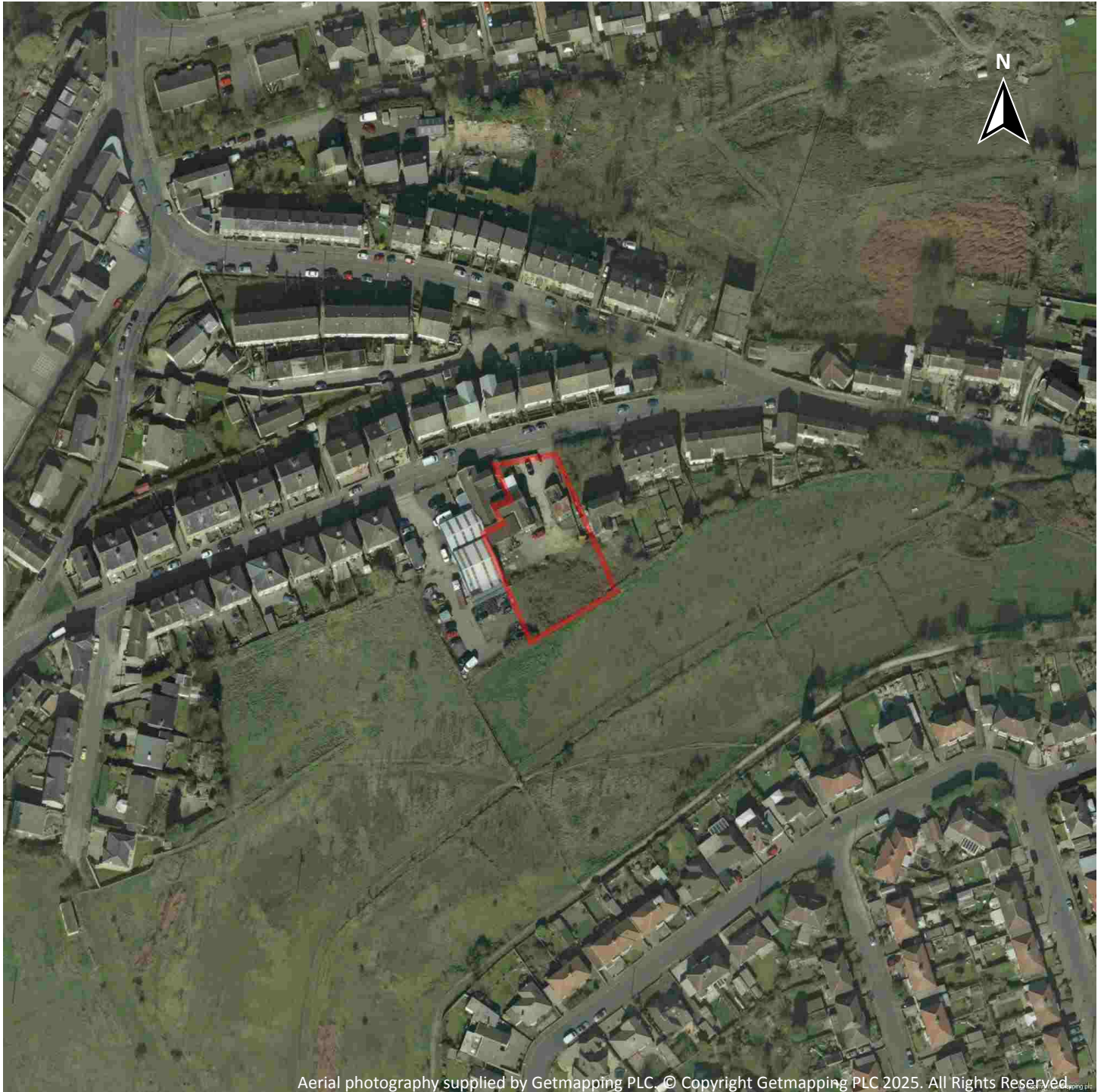


Capture Date: 01/07/2018

Site Area: 0.16ha



## Recent site history - 2012 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2025. All Rights Reserved.

Capture Date: 26/03/2012

Site Area: 0.16ha



## Recent site history - 1999 aerial photograph



Capture Date: 10/07/1999

Site Area: 0.16ha



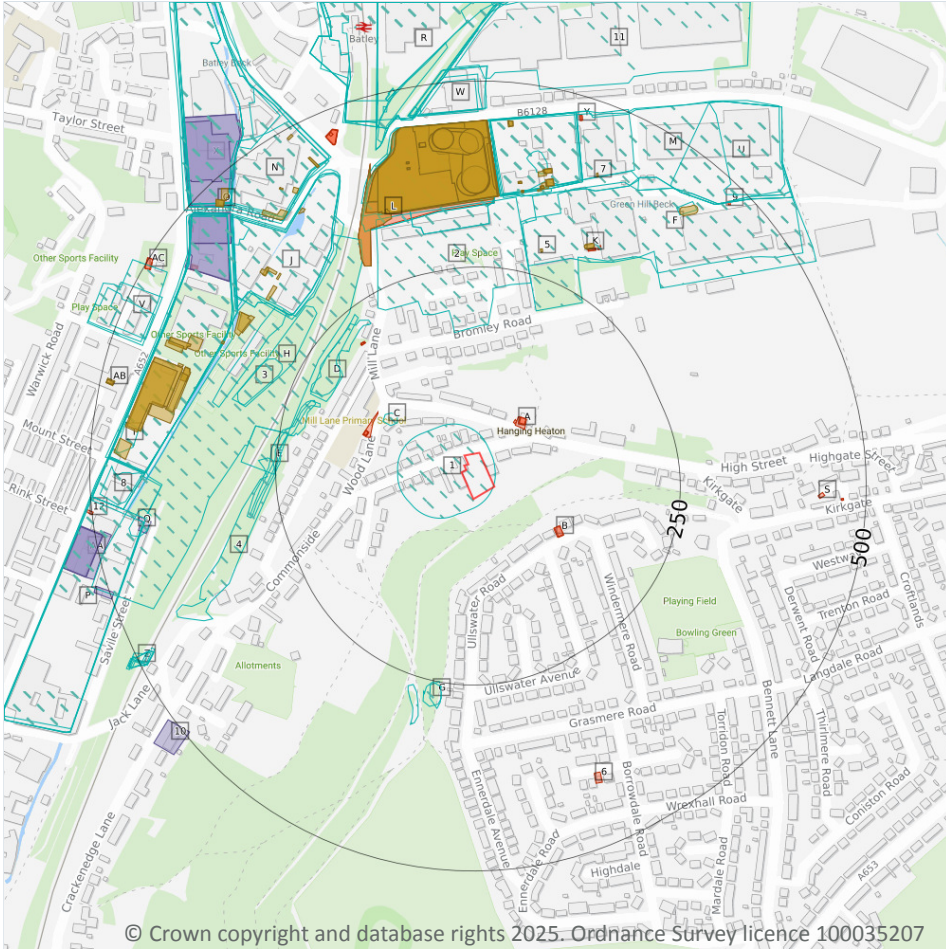
## OS MasterMap site plan



Site Area: 0.16ha



# 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

<b>Records within 500m</b>	<b>102</b>
----------------------------	------------

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 14](#) >

ID	Location	Land use	Dates present	Group ID
1	On site	Smithy	1905	1454986



ID	Location	Land use	Dates present	Group ID
C	100m NW	Unspecified Ground Workings	1957	1440559
2	165m N	Unspecified Commercial/Industrial	1957	1538619
D	195m NW	Unspecified Pit	1905	1452307
D	197m NW	Unspecified Ground Workings	1892	1440560
E	205m NW	Unspecified Quarry	1948	1574137
F	206m N	Unspecified Mills	1992	1552313
E	212m NW	Unspecified Quarry	1948 - 1955	1521878
3	231m NW	Railway Sidings	1905	1479832
E	239m W	Cuttings	1905	1433594
G	250m S	Unspecified Heap	1957	1468074
4	250m W	Refuse Heap	1892 - 1905	1571650
G	252m S	Unspecified Quarry	1905	1464968
F	260m N	Unspecified Mills	1971 - 1980	1498981
G	262m S	Unspecified Ground Workings	1938	1440561
H	262m NW	Unspecified Heap	1938	1535735
H	271m NW	Unspecified Heap	1948	1491657
J	294m NW	Unspecified Mills	1981 - 1988	1531808
J	295m NW	Unspecified Mills	1892	1577582
J	299m NW	Unspecified Commercial/Industrial	1905	1495170
J	299m NW	Unspecified Commercial/Industrial	1938	1577687
H	301m NW	Refuse Heap	1905	1435148
I	302m N	Unspecified Works	1971	1555019
I	302m N	Unspecified Works	1980 - 1992	1557947
I	325m N	Unspecified Commercial/Industrial	1931 - 1938	1512206
I	325m N	Gas Works	1892 - 1905	1556116
I	337m N	Boiler Works	1948	1442028
I	338m N	Unspecified Commercial/Industrial	1948	1488450
I	340m N	Unspecified Commercial/Industrial	1957	1577364



ID	Location	Land use	Dates present	Group ID
I	342m N	Gasometer	1892 - 1905	1572620
I	345m N	Unspecified Mills	1892 - 1905	1513100
I	345m N	Unspecified Tanks	1948	1558311
I	346m N	Unspecified Tanks	1938	1489581
I	346m N	Unspecified Disused Mills	1938	1432884
I	346m N	Dye Works	1948	1505346
I	347m N	Dye Works	1948	1501826
I	347m N	Dye Works	1931	1500526
I	347m N	Unspecified Tanks	1931	1549331
I	347m N	Unspecified Tanks	1948	1544654
I	348m N	Unspecified Tank	1957 - 1992	1500985
M	349m N	Unspecified Mills	1992	1554851
M	350m N	Unspecified Mills	1971 - 1980	1488007
H	357m NW	Sewage Works	1931	1512970
H	358m NW	Sewage Works	1905	1532922
H	358m NW	Sewage Works	1948	1569178
H	358m NW	Sewage Works	1938	1580306
H	359m NW	Sewage Works	1981 - 1988	1488084
H	359m NW	Sewage Works	1955 - 1967	1491022
H	359m NW	Unspecified Commercial/Industrial	1974	1545540
I	384m N	Refuse Heap	1905	1435147
I	397m N	Gasometers	1892	1445698
N	397m NW	Unspecified Mills	1892	1529496
N	399m NW	Unspecified Commercial/Industrial	1905	1502622
N	399m NW	Unspecified Commercial/Industrial	1938	1505668
N	400m NW	Unspecified Mills	1974 - 1988	1549326
I	401m N	Gasometer	1905	1437071
P	403m W	Unspecified Industrial/Commercial	1931	1447276



ID	Location	Land use	Dates present	Group ID
I	403m N	Unspecified Tank	1957	1473438
N	404m NW	Unspecified Mills	1967	1542985
P	404m W	Unspecified Commercial/Industrial	1948	1557514
I	407m N	Gasometer	1905	1437070
I	411m N	Unspecified Tank	1957 - 1992	1557832
F	418m NE	Unspecified Tanks	1992	1443826
Q	422m W	Refuse Heap	1905	1434944
R	428m N	Unspecified Works	1971	1459942
R	428m N	Railway Sidings	1971 - 1974	1484725
R	428m N	Unspecified Commercial/Industrial	1992	1538080
8	429m W	Refuse Heap	1967	1434943
P	430m W	Unspecified Mills	1967 - 1988	1565466
P	432m W	Unspecified Commercial/Industrial	1938	1492795
I	435m N	Unspecified Ground Workings	1992	1438689
T	438m W	Refuse Heap	1967 - 1974	1500110
U	441m NE	Unspecified Pit	1992	1487553
R	452m N	Railway Sidings	1938	1482691
R	452m N	Railway Sidings	1905	1509655
N	455m NW	Unspecified Mills	1892	1493317
R	456m N	Railway Sidings	1955 - 1957	1573208
V	456m NW	Unspecified Mills	1967 - 1988	1501305
V	457m NW	Unspecified Mill	1892	1448688
W	458m N	Boiler Works	1938	1548306
N	458m NW	Unspecified Commercial/Industrial	1948	1538188
R	459m N	Railway Sidings	1892	1558322
W	459m N	Boiler Works	1948	1531135
I	459m N	Railway Building	1905	1476183
W	460m N	Boiler Works	1931	1579436



ID	Location	Land use	Dates present	Group ID
V	460m NW	Unspecified Commercial/Industrial	1905	1431913
W	460m N	Unspecified Commercial/Industrial	1957 - 1992	1535633
N	463m NW	Unspecified Works	1981 - 1988	1521477
N	463m NW	Unspecified Mills	1974	1523860
R	463m N	Railway Sidings	1967	1514326
R	463m N	Railway Sidings	1981	1564931
Z	474m SW	Railway Station	1948 - 1955	1513477
I	474m N	Railway Building	1905	1476184
Z	476m SW	Railway Station	1938	1579274
Z	476m SW	Railway Station	1892 - 1905	1487567
Z	477m SW	Railway Station	1931	1527841
U	480m NE	Unspecified Pit	1971	1486764
Z	480m SW	Railway Station	1948	1576351
I	486m N	Railway Building	1938	1507846
I	488m N	Railway Building	1948	1553521
R	488m N	Railway Sidings	1948	1540147
11	495m N	Unspecified Warehouses	1980 - 1992	1495165

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

<b>Records within 500m</b>	<b>96</b>
----------------------------	-----------

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 ungrouped 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 14 >](#)

ID	Location	Land use	Dates present	Group ID
5	282m N	Unspecified Tank	1972 - 1992	248458



ID	Location	Land use	Dates present	Group ID
I	284m NW	Gas Works	1893 - 1894	253183
K	309m NE	Tanks	1992	258273
K	310m NE	Tanks	1972 - 1985	245314
J	336m NW	Tanks	1922 - 1938	246844
I	337m N	Gas Works	-	233439
I	337m N	Gas Works	-	233445
I	337m N	Gas Works	1956 - 1966	261202
I	338m N	Gas Works	1955 - 1956	252206
H	338m NW	Humus Tank	1955 - 1966	254366
I	339m N	Gasholder Station	1969	236503
I	339m N	Gas Depot	1987	237369
H	340m NW	Humus Tanks	1933 - 1938	257398
L	341m N	Unspecified Tank	1893 - 1987	256864
J	345m NW	Tanks	1922	236216
I	346m N	Gasometer	1893 - 1922	249352
I	346m N	Unspecified Tank	1933 - 1938	262027
I	349m N	Gasometer	1956 - 1966	259551
I	349m N	Gasometers	-	233425
I	349m N	Gasometers	-	233433
I	349m N	Gasholder	1969	236585
I	349m N	Gasometers	1955	256589
J	352m NW	Tanks	1922 - 1938	247931
I	355m N	Unspecified Tank	1907	239540
I	355m N	Unspecified Tank	1955	254449
I	355m N	Unspecified Tank	-	233435
I	355m N	Unspecified Tank	-	233441
I	355m N	Unspecified Tank	1966	253038
I	355m N	Unspecified Tank	1956	255810



ID	Location	Land use	Dates present	Group ID
H	357m NW	Unspecified Tank	1955 - 1966	262408
I	360m N	Unspecified Tank	1893	239539
J	360m NW	Tanks	1907	259375
L	361m N	Gas Works	1955	246388
I	364m N	Unspecified Tank	1955 - 1969	255158
I	364m N	Tanks	1922 - 1933	249714
I	365m N	Unspecified Tank	-	233436
I	365m N	Unspecified Tank	-	233443
I	366m N	Unspecified Tank	1955 - 1966	250828
I	366m N	Unspecified Tank	-	233434
I	366m N	Unspecified Tank	-	233444
I	370m N	Tanks	1955 - 1966	250868
I	370m N	Tanks	-	233438
I	370m N	Tanks	-	233440
I	380m N	Tanks	1922 - 1933	253378
H	384m NW	Humus Tanks	1933 - 1938	251211
H	385m W	Settling Tanks	1956 - 1966	259697
H	385m W	Settling Tank	1974	255809
H	385m W	Settling Tank	1955	258053
I	385m N	Tanks	1956 - 1966	246255
I	386m N	Tanks	1955	252298
I	386m N	Tanks	-	233424
I	386m N	Tanks	-	233437
H	387m W	Settling Tanks	1922 - 1938	257002
I	392m N	Unspecified Tank	1955 - 1966	256759
I	392m N	Unspecified Tank	-	233429
I	392m N	Unspecified Tank	-	233432
N	392m NW	Unspecified Tank	1922 - 1938	259179



ID	Location	Land use	Dates present	Group ID
H	396m W	Septic Tanks	1956 - 1966	260761
H	396m W	Septic Tank	1955	237358
H	397m W	Tanks	1955 - 1974	257164
H	397m NW	Tanks	1956 - 1966	259998
H	397m NW	Tanks	1955	255673
I	399m N	Unspecified Tank	1956 - 1966	257966
I	400m N	Unspecified Tank	1955	255059
I	400m N	Unspecified Tank	-	233427
I	400m N	Unspecified Tank	-	233428
N	400m NW	Unspecified Tank	1894	243514
I	401m N	Tanks	1933 - 1938	247640
I	401m N	Gasometers	1893 - 1922	256789
H	402m W	Septic Tanks	1922 - 1938	258714
I	403m N	Gasometer	1956 - 1966	257736
7	403m N	Unspecified Tank	1987 - 1995	251371
H	404m NW	Tanks	1922 - 1938	253268
I	411m N	Gasometer	1987	256745
I	411m N	Gasometer	1956 - 1966	250381
I	411m N	Gasholder	1969	236586
I	418m N	Unspecified Tank	1955 - 1966	255478
I	418m N	Unspecified Tank	-	233426
I	418m N	Unspecified Tank	-	233431
N	418m NW	Tanks	1907	236214
F	420m NE	Tanks	1987 - 1995	248420
N	433m NW	Unspecified Tank	1955 - 1966	259552
N	435m NW	Unspecified Tank	1907	243518
N	435m NW	Tanks	1922 - 1938	246947
I	440m N	Tanks	1955 - 1966	250092



ID	Location	Land use	Dates present	Group ID
I	441m N	Tanks	-	233430
I	441m N	Tanks	-	233442
T	445m W	Tanks	1907	236215
O	466m NW	Unspecified Tank	1907	246084
O	466m NW	Tanks	1922 - 1933	253529
O	466m NW	Unspecified Tank	1938	262153
O	469m NW	Unspecified Tank	1907	256820
AB	480m W	Unspecified Tank	1974 - 1995	253060
AB	482m W	Unspecified Tank	1955	257411
AB	482m W	Unspecified Tank	1956 - 1966	256093
N	485m NW	Unspecified Tank	1922	243519

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

### 1.3 Historical energy features

<b>Records within 500m</b>	<b>55</b>
----------------------------	-----------

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 ungrouped 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 14 >](#)

ID	Location	Land use	Dates present	Group ID
A	61m NE	Electricity Substation	1972 - 1985	160516
A	62m NE	Electricity Substation	1992 - 1996	149449
A	65m NE	Electricity Substation	1955 - 1956	145800
A	67m NE	Electricity Substation	-	141737
B	98m SE	Electricity Substation	1985 - 1996	153859
B	98m SE	Electricity Substation	1972	147197
C	129m W	Electricity Substation	1995	151935



ID	Location	Land use	Dates present	Group ID
C	132m W	Electricity Substation	1974	161084
C	133m W	Electricity Substation	1991	153013
C	133m W	Electricity Substation	1991	159642
C	133m W	Electricity Substation	1991	161336
D	202m NW	Electricity Substation	1974 - 1995	145512
D	202m NW	Electricity Substation	1955 - 1956	148355
I	284m NW	Gas Works	1893 - 1894	151824
I	284m NW	Corporation Gas Works	1907 - 1922	161013
K	308m NE	Electricity Substation	1985	148745
K	309m NE	Electricity Substation	1992 - 1996	159677
K	316m NE	Electricity Substation	1972	143153
I	337m N	Gas Works	-	141727
I	337m N	Gas Works	-	141729
I	337m N	Gas Works	1956 - 1966	151999
I	338m N	Gas Works	1955 - 1956	161731
I	339m N	Gasholder Station	1969	142039
I	339m N	Gas Depot	1987	145063
I	346m N	Gasometer	1893 - 1922	155822
I	349m N	Gasometer	1956 - 1966	161069
I	349m N	Gasometers	-	141726
I	349m N	Gasometers	-	141728
I	349m N	Gasholder	1969	142095
I	349m N	Gasometers	1955	149225
L	361m N	Gas Works	1955	156732
I	401m N	Gasometers	1893 - 1922	150634
6	403m S	Electricity Substation	1971 - 1992	151623
I	403m N	Gasometer	1956 - 1966	151440
I	411m N	Gasometer	1987	156689



ID	Location	Land use	Dates present	Group ID
I	411m N	Gasometer	1956 - 1966	147477
I	411m N	Gasholder	1969	142096
S	435m E	Electricity Substation	-	141738
O	437m NW	Electricity Substation	1991	155528
O	439m NW	Electricity Substation	1995	153054
O	439m NW	Electricity Substation	1974	162136
N	453m NW	Electricity Substation	1974	145259
N	453m NW	Electricity Substation	1955	149070
N	453m NW	Electricity Substation	1956	146096
N	453m NW	Electricity Substation	1980 - 1981	151378
N	465m NW	Electricity Substation	1995 - 1997	150507
S	467m E	Electricity Substation	1955	145254
S	467m E	Electricity Substation	1956	161561
Y	467m N	Electricity Substation	1987	160020
Y	467m N	Electricity Substation	1969	155706
9	473m NE	Electricity Substation	1987 - 1995	158335
O	473m NW	Electricity Substation	1955 - 1956	151645
AC	490m NW	Electricity Transformer Station	1974 - 1991	160237
AC	492m NW	Electricity Substation	1995	143757
12	498m W	Electricity Substation	1955 - 1956	160088

*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 ungrouped 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

<b>Records within 500m</b>	<b>14</b>
----------------------------	-----------

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 ungrouped 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 14 >](#)

ID	Location	Land use	ID	Dates present	Group ID
O	393m NW	Garage		1991 - 1995	47599
O	394m NW	Garage		1974	50522
Q	423m W	Garage		1995	45770
O	424m NW	Garage		1974	48677
O	424m NW	Garage		1980 - 1981	47388
O	427m NW	Garage		1995 - 1997	50770
X	459m NW	Garage		1995	49904
X	459m NW	Garage		1980 - 1981	48516
AA	478m W	Garage		1995	47949
X	486m NW	Garage		1995 - 1997	48424
AA	489m W	Garage		1991	49466
AA	490m W	Garage		1974	49941
10	494m SW	Garage		1982	45980
P	495m W	Garage		1955 - 1966	49867

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

## 1.6 Historical military land

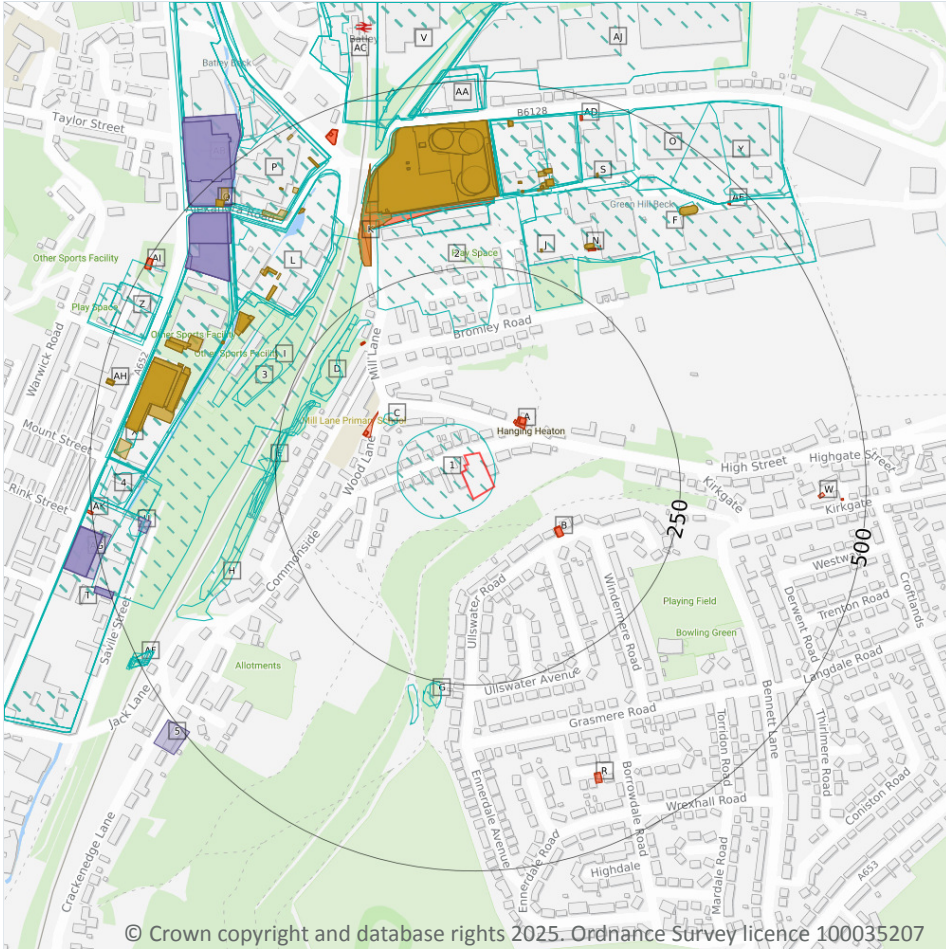
<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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

© Crown copyright and database rights 2025. Ordnance Survey licence 100035207

### 2.1 Historical industrial land uses

**Records within 500m** **140**

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	On site	Smithy	1905	1454986
C	100m NW	Unspecified Ground Workings	1957	1440559
2	165m N	Unspecified Commercial/Industrial	1957	1538619

ID	Location	Land Use	Date	Group ID
D	195m NW	Unspecified Pit	1905	1452307
D	197m NW	Unspecified Ground Workings	1892	1440560
E	205m NW	Unspecified Quarry	1948	1574137
F	206m N	Unspecified Mills	1992	1552313
E	212m NW	Unspecified Quarry	1948	1521878
E	214m NW	Unspecified Quarry	1955	1521878
3	231m NW	Railway Sidings	1905	1479832
E	239m W	Cuttings	1905	1433594
G	250m S	Unspecified Heap	1957	1468074
H	250m W	Refuse Heap	1892	1571650
G	252m S	Unspecified Quarry	1905	1464968
H	253m W	Refuse Heap	1905	1571650
F	260m N	Unspecified Mills	1971	1498981
F	260m N	Unspecified Mills	1980	1498981
G	262m S	Unspecified Ground Workings	1938	1440561
I	262m NW	Unspecified Heap	1938	1535735
I	271m NW	Unspecified Heap	1948	1491657
L	294m NW	Unspecified Mills	1988	1531808
L	294m NW	Unspecified Mills	1981	1531808
L	295m NW	Unspecified Mills	1892	1577582
L	299m NW	Unspecified Commercial/Industrial	1905	1495170
L	299m NW	Unspecified Commercial/Industrial	1938	1577687
I	301m NW	Refuse Heap	1905	1435148
M	302m N	Unspecified Works	1992	1557947
M	302m N	Unspecified Works	1971	1555019
M	302m N	Unspecified Works	1980	1557947
M	325m N	Gas Works	1905	1556116
M	325m N	Unspecified Commercial/Industrial	1938	1512206



ID	Location	Land Use	Date	Group ID
M	333m N	Gas Works	1892	1556116
M	337m N	Boiler Works	1948	1442028
M	337m N	Unspecified Commercial/Industrial	1931	1512206
M	338m N	Unspecified Commercial/Industrial	1948	1488450
M	340m N	Unspecified Commercial/Industrial	1957	1577364
M	342m N	Gasometer	1892	1572620
M	345m N	Unspecified Mills	1892	1513100
M	345m N	Unspecified Tanks	1948	1558311
M	346m N	Unspecified Tanks	1938	1489581
M	346m N	Gasometer	1905	1572620
M	346m N	Dye Works	1948	1505346
M	346m N	Unspecified Mills	1905	1513100
M	346m N	Unspecified Disused Mills	1938	1432884
M	347m N	Dye Works	1948	1501826
M	347m N	Dye Works	1931	1500526
M	347m N	Unspecified Tanks	1931	1549331
M	347m N	Unspecified Tanks	1948	1544654
M	348m N	Unspecified Tank	1992	1500985
M	348m N	Unspecified Tank	1971	1500985
M	348m N	Unspecified Tank	1957	1500985
M	348m N	Unspecified Tank	1980	1500985
O	349m N	Unspecified Mills	1992	1554851
O	350m N	Unspecified Mills	1971	1488007
O	350m N	Unspecified Mills	1980	1488007
I	357m NW	Sewage Works	1931	1512970
I	358m NW	Sewage Works	1948	1569178
I	358m NW	Sewage Works	1905	1532922
I	358m NW	Sewage Works	1938	1580306



ID	Location	Land Use	Date	Group ID
I	359m NW	Sewage Works	1988	1488084
I	359m NW	Sewage Works	1981	1488084
I	359m NW	Unspecified Commercial/Industrial	1974	1545540
I	359m NW	Sewage Works	1967	1491022
I	359m NW	Sewage Works	1955	1491022
I	361m NW	Sewage Works	1948	1569178
M	384m N	Refuse Heap	1905	1435147
M	397m N	Gasometers	1892	1445698
P	397m NW	Unspecified Mills	1892	1529496
P	399m NW	Unspecified Commercial/Industrial	1905	1502622
P	399m NW	Unspecified Commercial/Industrial	1938	1505668
P	400m NW	Unspecified Mills	1988	1549326
P	400m NW	Unspecified Mills	1981	1549326
P	400m NW	Unspecified Mills	1974	1549326
M	401m N	Gasometer	1905	1437071
T	403m W	Unspecified Industrial/Commercial	1931	1447276
M	403m N	Unspecified Tank	1957	1473438
P	404m NW	Unspecified Mills	1967	1542985
T	404m W	Unspecified Commercial/Industrial	1948	1557514
M	407m N	Gasometer	1905	1437070
M	411m N	Unspecified Tank	1992	1557832
M	411m N	Unspecified Tank	1971	1557832
M	411m N	Unspecified Tank	1957	1557832
M	411m N	Unspecified Tank	1980	1557832
F	418m NE	Unspecified Tanks	1992	1443826
U	422m W	Refuse Heap	1905	1434944
V	428m N	Unspecified Commercial/Industrial	1992	1538080
V	428m N	Unspecified Works	1971	1459942



ID	Location	Land Use	Date	Group ID
V	428m N	Railway Sidings	1971	1484725
4	429m W	Refuse Heap	1967	1434943
T	430m W	Unspecified Mills	1988	1565466
T	430m W	Unspecified Mills	1981	1565466
T	430m W	Unspecified Mills	1974	1565466
T	430m W	Unspecified Mills	1967	1565466
T	432m W	Unspecified Commercial/Industrial	1938	1492795
M	435m N	Unspecified Ground Workings	1992	1438689
X	438m W	Refuse Heap	1974	1500110
X	438m W	Refuse Heap	1967	1500110
Y	441m NE	Unspecified Pit	1992	1487553
V	452m N	Railway Sidings	1905	1509655
V	452m N	Railway Sidings	1938	1482691
P	455m NW	Unspecified Mills	1892	1493317
V	456m N	Railway Sidings	1957	1573208
Z	456m NW	Unspecified Mills	1988	1501305
Z	456m NW	Unspecified Mills	1981	1501305
Z	456m NW	Unspecified Mills	1974	1501305
Z	456m NW	Unspecified Mills	1967	1501305
Z	457m NW	Unspecified Mill	1892	1448688
AA	458m N	Boiler Works	1938	1548306
P	458m NW	Unspecified Commercial/Industrial	1948	1538188
V	459m N	Railway Sidings	1892	1558322
AA	459m N	Boiler Works	1948	1531135
M	459m N	Railway Building	1905	1476183
AA	460m N	Boiler Works	1948	1531135
AA	460m N	Boiler Works	1931	1579436
Z	460m NW	Unspecified Commercial/Industrial	1905	1431913



ID	Location	Land Use	Date	Group ID
AA	460m N	Unspecified Commercial/Industrial	1992	1535633
AA	460m N	Unspecified Commercial/Industrial	1971	1535633
AA	460m N	Unspecified Commercial/Industrial	1957	1535633
AA	460m N	Unspecified Commercial/Industrial	1980	1535633
P	463m NW	Unspecified Works	1988	1521477
P	463m NW	Unspecified Works	1981	1521477
P	463m NW	Unspecified Mills	1974	1523860
AC	463m N	Railway Sidings	1981	1564931
AC	463m N	Railway Sidings	1974	1484725
AC	463m N	Railway Sidings	1967	1514326
AC	463m N	Railway Sidings	1955	1573208
AF	474m SW	Railway Station	1955	1513477
M	474m N	Railway Building	1905	1476184
AF	476m SW	Railway Station	1938	1579274
AF	476m SW	Railway Station	1948	1513477
AF	476m SW	Railway Station	1905	1487567
AF	476m SW	Railway Station	1892	1487567
AF	477m SW	Railway Station	1931	1527841
Y	480m NE	Unspecified Pit	1971	1486764
AF	480m SW	Railway Station	1948	1576351
M	486m N	Railway Building	1938	1507846
M	488m N	Railway Building	1948	1553521
V	488m N	Railway Sidings	1948	1540147
AJ	495m N	Unspecified Warehouses	1992	1495165
AJ	495m N	Unspecified Warehouses	1980	1495165

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



## 2.2 Historical tanks

Records within 500m

167

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
J	282m N	Unspecified Tank	1992	248458
J	283m N	Unspecified Tank	1972	248458
J	283m N	Unspecified Tank	1985	248458
K	284m NW	Gas Works	1894	253183
N	309m NE	Tanks	1992	258273
N	310m NE	Tanks	1985	245314
N	310m NE	Tanks	1972	245314
M	330m N	Gas Works	1893	253183
L	336m NW	Tanks	1922	246844
L	336m NW	Tanks	1933	246844
L	336m NW	Tanks	1938	246844
M	337m N	Gas Works	-	233439
M	337m N	Gas Works	-	233445
M	337m N	Gas Works	1966	261202
M	337m N	Gas Works	1956	261202
M	338m N	Gas Works	1955	252206
I	338m NW	Humus Tank	1956	254366
I	338m NW	Humus Tank	1966	254366
I	338m NW	Humus Tank	1955	254366
M	339m N	Gasholder Station	1969	236503
M	339m N	Gas Depot	1987	237369
I	340m NW	Humus Tanks	1933	257398
I	340m NW	Humus Tanks	1938	257398



ID	Location	Land Use	Date	Group ID
K	341m N	Unspecified Tank	1893	256864
K	343m N	Unspecified Tank	1987	256864
L	345m NW	Tanks	1922	236216
M	346m N	Gasometer	1893	249352
M	346m N	Gasometer	1907	249352
M	346m N	Gasometer	1922	249352
M	346m N	Unspecified Tank	1933	262027
M	346m N	Unspecified Tank	1938	262027
M	349m N	Gasometer	1966	259551
M	349m N	Gasometer	1956	259551
M	349m N	Gasometers	-	233433
M	349m N	Gasometers	-	233425
M	349m N	Gasholder	1969	236585
M	349m N	Gasometers	1955	256589
L	352m NW	Tanks	1922	247931
L	352m NW	Tanks	1933	247931
L	352m NW	Tanks	1938	247931
M	355m N	Unspecified Tank	1907	239540
M	355m N	Unspecified Tank	1955	254449
M	355m N	Unspecified Tank	-	233435
M	355m N	Unspecified Tank	-	233441
M	355m N	Unspecified Tank	1966	253038
M	355m N	Unspecified Tank	1956	255810
I	357m NW	Unspecified Tank	1956	262408
I	357m NW	Unspecified Tank	1966	262408
I	357m NW	Unspecified Tank	1955	262408
M	360m N	Unspecified Tank	1893	239539
L	360m NW	Tanks	1907	259375



ID	Location	Land Use	Date	Group ID
K	361m N	Gas Works	1955	246388
K	361m N	Gas Works	1956	252206
M	364m N	Unspecified Tank	1969	255158
M	364m N	Tanks	1922	249714
M	364m N	Tanks	1933	249714
M	365m N	Unspecified Tank	-	233436
M	365m N	Unspecified Tank	-	233443
M	365m N	Unspecified Tank	1966	255158
M	365m N	Unspecified Tank	1956	255158
M	365m N	Unspecified Tank	1955	255158
M	366m N	Unspecified Tank	1966	250828
M	366m N	Unspecified Tank	1956	250828
M	366m N	Unspecified Tank	1955	250828
M	366m N	Unspecified Tank	-	233434
M	366m N	Unspecified Tank	-	233444
M	370m N	Tanks	1955	250868
M	370m N	Tanks	1966	250868
M	370m N	Tanks	1956	250868
M	370m N	Tanks	-	233438
M	370m N	Tanks	-	233440
M	380m N	Tanks	1922	253378
M	380m N	Tanks	1933	253378
I	384m NW	Humus Tanks	1933	251211
I	384m NW	Humus Tanks	1938	251211
I	385m W	Settling Tanks	1956	259697
I	385m W	Settling Tanks	1966	259697
I	385m W	Settling Tank	1974	255809
I	385m W	Settling Tank	1955	258053



ID	Location	Land Use	Date	Group ID
M	385m N	Tanks	1966	246255
M	385m N	Tanks	1956	246255
M	386m N	Tanks	1955	252298
M	386m N	Tanks	-	233437
M	386m N	Tanks	-	233424
I	387m W	Settling Tanks	1922	257002
I	387m W	Settling Tanks	1933	257002
I	387m W	Settling Tanks	1938	257002
M	392m N	Unspecified Tank	1966	256759
M	392m N	Unspecified Tank	1956	256759
M	392m N	Unspecified Tank	1955	256759
M	392m N	Unspecified Tank	-	233432
M	392m N	Unspecified Tank	-	233429
P	392m NW	Unspecified Tank	1922	259179
P	393m NW	Unspecified Tank	1933	259179
P	393m NW	Unspecified Tank	1938	259179
I	396m W	Septic Tanks	1956	260761
I	396m W	Septic Tanks	1966	260761
I	396m W	Septic Tank	1955	237358
I	397m W	Tanks	1956	257164
I	397m W	Tanks	1966	257164
I	397m NW	Tanks	1956	259998
I	397m NW	Tanks	1966	259998
I	397m W	Tanks	1974	257164
I	397m W	Tanks	1955	257164
I	397m NW	Tanks	1955	255673
M	399m N	Unspecified Tank	1966	257966
M	399m N	Unspecified Tank	1956	257966



ID	Location	Land Use	Date	Group ID
M	400m N	Unspecified Tank	1955	255059
M	400m N	Unspecified Tank	-	233427
M	400m N	Unspecified Tank	-	233428
P	400m NW	Unspecified Tank	1894	243514
M	401m N	Gasometers	1893	256789
M	401m N	Gasometers	1907	256789
M	401m N	Gasometers	1922	256789
M	401m N	Tanks	1933	247640
M	401m N	Tanks	1938	247640
I	402m W	Septic Tanks	1922	258714
I	402m W	Septic Tanks	1933	258714
I	402m W	Septic Tanks	1938	258714
M	403m N	Gasometer	1966	257736
M	403m N	Gasometer	1956	257736
S	403m N	Unspecified Tank	1987	251371
S	404m N	Unspecified Tank	1995	251371
S	404m N	Unspecified Tank	1995	251371
I	404m NW	Tanks	1922	253268
I	404m NW	Tanks	1933	253268
I	404m NW	Tanks	1938	253268
M	411m N	Gasometer	1987	256745
M	411m N	Gasometer	1966	250381
M	411m N	Gasometer	1956	250381
M	411m N	Gasholder	1969	236586
M	418m N	Unspecified Tank	1966	255478
M	418m N	Unspecified Tank	1956	255478
M	418m N	Unspecified Tank	1955	255478
M	418m N	Unspecified Tank	-	233431



ID	Location	Land Use	Date	Group ID
M	418m N	Unspecified Tank	-	233426
P	418m NW	Tanks	1907	236214
F	420m NE	Tanks	1987	248420
F	420m NE	Tanks	1995	248420
F	420m NE	Tanks	1995	248420
P	433m NW	Unspecified Tank	1956	259552
P	433m NW	Unspecified Tank	1966	259552
P	433m NW	Unspecified Tank	1955	259552
P	435m NW	Unspecified Tank	1907	243518
P	435m NW	Tanks	1922	246947
P	435m NW	Tanks	1933	246947
P	435m NW	Tanks	1938	246947
M	440m N	Tanks	1966	250092
M	440m N	Tanks	1956	250092
M	440m N	Tanks	1955	250092
M	441m N	Tanks	-	233430
M	441m N	Tanks	-	233442
X	445m W	Tanks	1907	236215
Q	466m NW	Unspecified Tank	1907	246084
Q	466m NW	Tanks	1922	253529
Q	466m NW	Tanks	1933	253529
Q	466m NW	Unspecified Tank	1938	262153
Q	469m NW	Unspecified Tank	1907	256820
AH	480m W	Unspecified Tank	1991	253060
AH	480m W	Unspecified Tank	1991	253060
AH	480m W	Unspecified Tank	1991	253060
AH	481m W	Unspecified Tank	1995	253060
AH	482m W	Unspecified Tank	1974	253060



ID	Location	Land Use	Date	Group ID
AH	482m W	Unspecified Tank	1955	257411
AH	482m W	Unspecified Tank	1956	256093
AH	482m W	Unspecified Tank	1966	256093
P	485m NW	Unspecified Tank	1922	243519

This data is sourced from Ordnance Survey / Groundsure.

## 2.3 Historical energy features

<b>Records within 500m</b>	<b>92</b>
----------------------------	-----------

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	61m NE	Electricity Substation	1985	160516
A	62m NE	Electricity Substation	1996	149449
A	62m NE	Electricity Substation	1992	149449
A	62m NE	Electricity Substation	1972	160516
A	65m NE	Electricity Substation	1955	145800
A	67m NE	Electricity Substation	1956	145800
A	67m NE	Electricity Substation	-	141737
B	98m SE	Electricity Substation	1985	153859
B	98m SE	Electricity Substation	1972	147197
B	99m SE	Electricity Substation	1996	153859
B	99m SE	Electricity Substation	1992	153859
C	129m W	Electricity Substation	1995	151935
C	132m W	Electricity Substation	1974	161084
C	133m W	Electricity Substation	1991	153013
C	133m W	Electricity Substation	1991	161336
C	133m W	Electricity Substation	1991	159642



ID	Location	Land Use	Date	Group ID
D	202m NW	Electricity Substation	1995	145512
D	202m NW	Electricity Substation	1974	145512
D	202m NW	Electricity Substation	1956	148355
D	202m NW	Electricity Substation	1955	148355
D	202m NW	Electricity Substation	1991	145512
D	202m NW	Electricity Substation	1991	145512
D	202m NW	Electricity Substation	1991	145512
K	284m NW	Gas Works	1894	151824
K	284m NW	Corporation Gas Works	1907	161013
K	288m NW	Corporation Gas Works	1922	161013
N	308m NE	Electricity Substation	1985	148745
N	309m NE	Electricity Substation	1992	159677
N	309m NE	Electricity Substation	1996	159677
N	316m NE	Electricity Substation	1972	143153
M	326m N	Corporation Gas Works	1907	161013
M	326m N	Corporation Gas Works	1922	161013
M	330m N	Gas Works	1893	151824
M	337m N	Gas Works	-	141727
M	337m N	Gas Works	-	141729
M	337m N	Gas Works	1966	151999
M	337m N	Gas Works	1956	151999
M	338m N	Gas Works	1955	161731
M	339m N	Gasholder Station	1969	142039
M	339m N	Gas Depot	1987	145063
M	346m N	Gasometer	1893	155822
M	346m N	Gasometer	1907	155822
M	346m N	Gasometer	1922	155822
M	349m N	Gasometer	1966	161069



ID	Location	Land Use	Date	Group ID
M	349m N	Gasometer	1956	161069
M	349m N	Gasometers	-	141726
M	349m N	Gasometers	-	141728
M	349m N	Gasholder	1969	142095
M	349m N	Gasometers	1955	149225
K	361m N	Gas Works	1955	156732
K	361m N	Gas Works	1956	161731
M	401m N	Gasometers	1893	150634
M	401m N	Gasometers	1907	150634
M	401m N	Gasometers	1922	150634
M	403m N	Gasometer	1966	151440
M	403m N	Gasometer	1956	151440
R	403m S	Electricity Substation	1971	151623
R	404m S	Electricity Substation	1992	151623
M	411m N	Gasometer	1987	156689
M	411m N	Gasometer	1966	147477
M	411m N	Gasometer	1956	147477
M	411m N	Gasholder	1969	142096
W	435m E	Electricity Substation	-	141738
Q	437m NW	Electricity Substation	1991	155528
Q	437m NW	Electricity Substation	1991	155528
Q	437m NW	Electricity Substation	1991	155528
Q	439m NW	Electricity Substation	1995	153054
Q	439m NW	Electricity Substation	1974	162136
P	453m NW	Electricity Substation	1955	149070
P	453m NW	Electricity Substation	1974	145259
P	453m NW	Electricity Substation	1956	146096
P	453m NW	Electricity Substation	1980	151378



ID	Location	Land Use	Date	Group ID
P	453m NW	Electricity Substation	1981	151378
P	465m NW	Electricity Substation	1995	150507
P	465m NW	Electricity Substation	1997	150507
P	465m NW	Electricity Substation	1995	150507
W	467m E	Electricity Substation	1955	145254
W	467m E	Electricity Substation	1956	161561
AD	467m N	Electricity Substation	1987	160020
AD	467m N	Electricity Substation	1969	155706
AE	473m NE	Electricity Substation	1987	158335
AE	473m NE	Electricity Substation	1995	158335
AE	473m NE	Electricity Substation	1995	158335
Q	473m NW	Electricity Substation	1956	151645
Q	473m NW	Electricity Substation	1955	151645
AI	490m NW	Electricity Transformer Station	1991	160237
AI	490m NW	Electricity Transformer Station	1991	160237
AI	490m NW	Electricity Transformer Station	1991	160237
AI	491m NW	Electricity Transformer Station	1974	160237
AI	492m NW	Electricity Substation	1995	143757
AK	498m W	Electricity Substation	1956	160088
AK	499m W	Electricity Substation	1955	160088

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

## 2.4 Historical petrol stations

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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

<b>Records within 500m</b>	<b>25</b>
----------------------------	-----------

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
Q	393m NW	Garage	1991	47599
Q	393m NW	Garage	1991	47599
Q	393m NW	Garage	1991	47599
Q	393m NW	Garage	1995	47599
Q	394m NW	Garage	1974	50522
U	423m W	Garage	1995	45770
Q	424m NW	Garage	1974	48677
Q	424m NW	Garage	1980	47388
Q	424m NW	Garage	1981	47388
Q	427m NW	Garage	1997	50770
Q	427m NW	Garage	1995	50770
Q	427m NW	Garage	1995	50770
AB	459m NW	Garage	1995	49904
AB	459m NW	Garage	1980	48516
AB	459m NW	Garage	1981	48516
AG	478m W	Garage	1995	47949
AB	486m NW	Garage	1997	48424
AB	486m NW	Garage	1995	48424
AG	489m W	Garage	1991	49466
AG	489m W	Garage	1991	49466
AG	490m W	Garage	1974	49941
5	494m SW	Garage	1982	45980
T	495m W	Garage	1955	49867

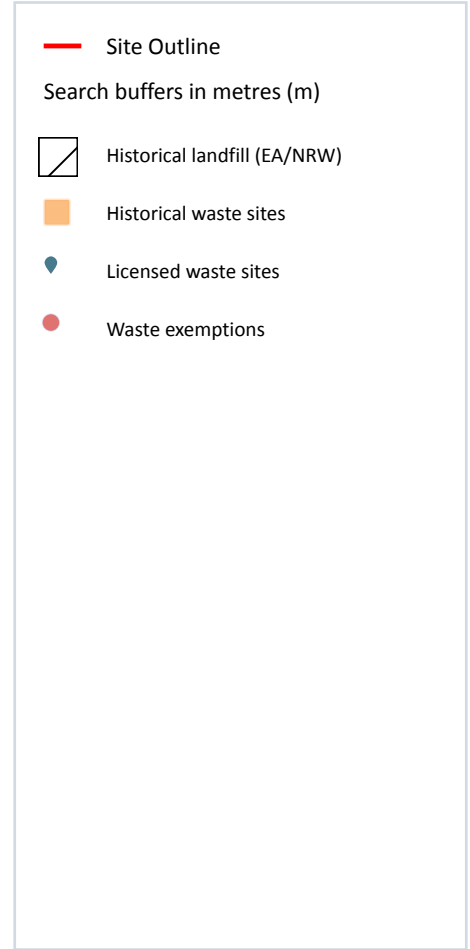
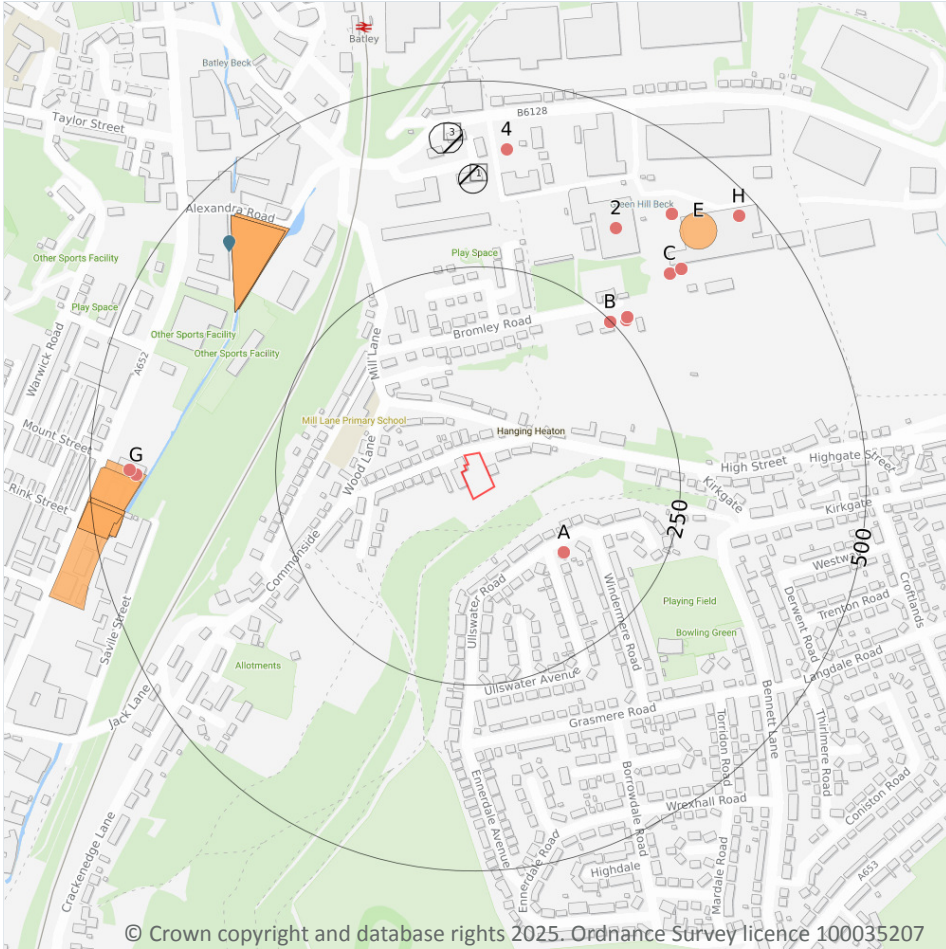


ID	Location	Land Use	Date	Group ID
T	495m W	Garage	1956	49867
T	495m W	Garage	1966	49867

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



### 3 Waste and landfill



#### 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 44 >](#)

ID	Location	Details		
1	349m N	Site Address: Batley Holder Station No 2, Batley Holder Station, Grange Road, Batley Licence Holder Address: New York Road, Leeds	Waste Licence: Yes Site Reference: 4700/0290 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 09/11/1981 Licence Surrender: 30/04/1994	Operator: - Licence Holder: North East Gas First Recorded 31/12/1981 Last Recorded: 31/12/1990
3	406m N	Site Address: Batley Holder Station No 1, Grange Road, Batley Licence Holder Address: New York Road, Leeds	Waste Licence: Yes Site Reference: 4700/0244, 645 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 23/12/1987 Licence Surrender: 30/04/1994	Operator: - Licence Holder: British Gas Plc North Eastern First Recorded 31/12/1987 Last Recorded: 31/12/1992

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

### 3.5 Historical waste sites

Records within 500m

14

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 44 >](#)

ID	Location	Address	Further Details	Date
D	361m NW	Site Address: N/A	Type of Site: Oil and Waste Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1956
D	361m NW	Site Address: N/A	Type of Site: Oil and Waste Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1966
D	362m NW	Site Address: N/A	Type of Site: Oil and Waste Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
D	363m NW	Site Address: N/A	Type of Site: Oil & Waste Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1922
D	363m NW	Site Address: N/A	Type of Site: Oil & Waste Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1933
D	363m NW	Site Address: N/A	Type of Site: Oil & Waste Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1938
E	394m NE	Site Address: 5,Grange Road, Business Park, Grange Road, BATLEY, West Yorkshire, WF17 6LL	Type of Site: Waste Transfer Station Planning application reference: 2004/62/92069/EO Description: Scheme comprises change of use of skip hire yard to waste transfer station. An application (ref: 2004/62/92069/EO) for Detailed Planning permission was submitted to Kirklees B.C. on 14th June 2004. Data source: Historic Planning Application Data Type: Point	-
F	424m W	Site Address: N/A	Type of Site: Waste Mill Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1922



ID	Location	Address	Further Details	Date
F	431m W	Site Address: N/A	Type of Site: Waste Mill Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1907
F	455m W	Site Address: N/A	Type of Site: Waste Mill Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1955
F	456m W	Site Address: N/A	Type of Site: Waste Mill Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1956
F	456m W	Site Address: N/A	Type of Site: Waste Mill Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1966
F	460m W	Site Address: N/A	Type of Site: Waste Mill Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1933
F	460m W	Site Address: N/A	Type of Site: Waste Mills Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1938

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

### 3.6 Licensed waste sites

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

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

Features are displayed on the Waste and landfill map on [page 44 >](#)



ID	Location	Details		
D	426m NW	Site Name: Batley Car Spares Site Address: Union Mills, Rouse Mill Lane, Union Mills, Batley, West Yorkshire, WF17 5QB Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 659258 EPR reference: EA/EPR/KP3195ZZ Operator: Alan Finnemore Waste Management licence No: 61027 Annual Tonnage: 4999	Issue Date: 18/03/1992 Effective Date: 18/03/1992 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

<b>Records within 500m</b>	<b>123</b>
----------------------------	------------

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 44 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	129m SE	3, Ullswater Road, Dewsbury, Wf12 7ph	WEX230845	Using waste exemption	Not on a farm	Use of waste in construction
A	129m SE	3, Ullswater Road, Dewsbury, Wf12 7ph	WEX230845	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	129m SE	3, Ullswater Road, Dewsbury, Wf12 7ph	WEX230845	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	129m SE	3, Ullswater Road, Dewsbury, Wf12 7ph	WEX230845	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Use of mulch
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Disposing of waste exemption	On a farm	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Use of waste in construction
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Use of waste for a specified purpose
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Incorporation of ash into soil
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Using waste exemption	On a farm	Pig and poultry ash
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX322979	Storing waste exemption	On a farm	Storage of waste in a secure place
B	248m NE	-	WEX396847	Storing waste exemption	On a farm	Storage of waste in a secure place
B	248m NE	-	WEX396847	Disposing of waste exemption	On a farm	Burning waste in the open
B	248m NE	-	WEX396847	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	248m NE	-	WEX396847	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	248m NE	-	WEX396847	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Pig and poultry ash



ID	Location	Site	Reference	Category	Sub-Category	Description
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Incorporation of ash into soil
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Use of mulch
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Use of waste for a specified purpose
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	248m NE	-	WEX396847	Using waste exemption	On a farm	Use of waste in construction
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Disposing of waste exemption	On a farm	Burning waste in the open
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Use of waste in construction
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Incorporation of ash into soil



ID	Location	Site	Reference	Category	Sub-Category	Description
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Pig and poultry ash
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Use of mulch
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Use of waste for a specified purpose
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX405383	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Use of waste in construction
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	248m NE	Farm	WEX269587	Storing waste exemption	On a farm	Storage of waste in a secure place
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Use of mulch
B	248m NE	Farm	WEX269587	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	248m NE	Farm	WEX269587	Disposing of waste exemption	On a farm	Burning waste in the open
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Use of waste for a specified purpose
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Incorporation of ash into soil



ID	Location	Site	Reference	Category	Sub-Category	Description
B	248m NE	Farm	WEX269587	Using waste exemption	On a farm	Pig and poultry ash
B	248m NE	Farm	WEX269587	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	248m NE	Farm	WEX269587	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Incorporation of ash into soil
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Pig and poultry ash
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Use of waste in construction
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Use of sludge for the purposes of re-seeding a waste water treatment plant
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Use of waste for a specified purpose
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Disposing of waste exemption	On a farm	Burning waste in the open
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Use of mulch



ID	Location	Site	Reference	Category	Sub-Category	Description
B	248m NE	Springwell Farm, Bromley Road, Batley, Wf17 6ej	WEX136211	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Storing waste exemption	Agricultural waste only	Storage of waste in a secure place
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Treating waste exemption	Agricultural waste only	Aerobic composting and associated prior treatment
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit



ID	Location	Site	Reference	Category	Sub-Category	Description
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
B	266m NE	Springwell Farm Bromley Road Batley Wf17 6ej	EPR/FE5755JM /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Treating waste exemption	Agricultural waste only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Agricultural waste only	Pig and poultry ash
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit



ID	Location	Site	Reference	Category	Sub-Category	Description
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Both agricultural and non-agricultural waste	Burning of waste as a fuel in a small appliance
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste for a specified purpose
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Non-agricultural waste only	Use of sludge for the purposes of re-seeding a waste water treatment plant
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
B	269m NE	Springwell Farm Bromley Road Batley West Yorkshire Wf17 6ej	EPR/LE5042ZU /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
C	351m NE	Grange Road Business Park Grange Road Batley West Yorkshire Wf17 6ll	EPR/XF0001UL /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
C	351m NE	Grange Road Business Park Grange Road Batley West Yorkshire Wf17 6ll	EPR/XF0001UL /A001	Treating waste exemption	Non-agricultural waste only	Recovery of textiles
2	353m NE	Unit 13-14, Grange Road Business Park, Grange Road, Batley, Wf17 6ll	WEX018189	Storing waste exemption	Not on a farm	Storage of waste in a secure place



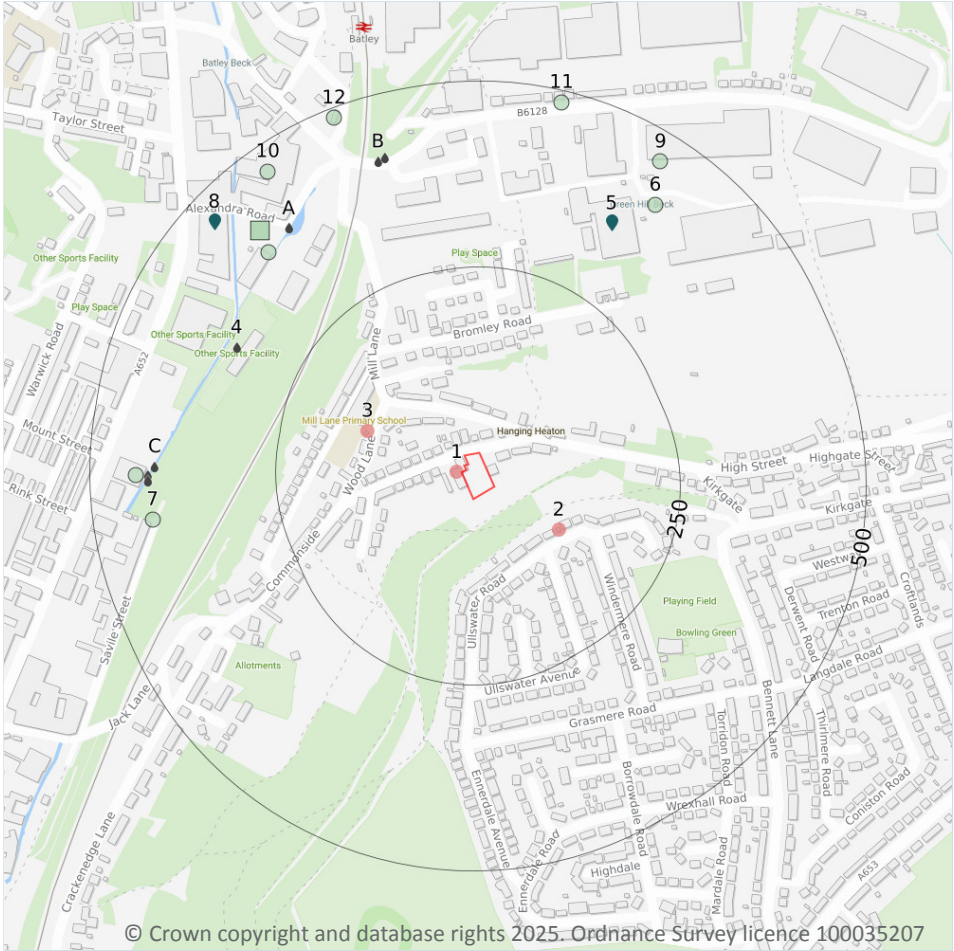
ID	Location	Site	Reference	Category	Sub-Category	Description
C	367m NE	-	WEX243454	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	367m NE	-	WEX243454	Treating waste exemption	Not on a farm	Recovery of textiles
C	367m NE	-	WEX243454	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	367m NE	-	WEX101440	Storing waste exemption	Not on a farm	Storage of waste in secure containers
C	367m NE	-	WEX101440	Storing waste exemption	Not on a farm	Storage of waste in a secure place
C	367m NE	-	WEX101440	Treating waste exemption	Not on a farm	Recovery of textiles
4	409m N	Greenhill Mills Grange Road Batley West Yorkshire Wf17 6lh	EPR/QF0507K K/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)
E	412m NE	-	WEX322444	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	412m NE	-	WEX322444	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	412m NE	-	WEX322444	Treating waste exemption	Not on a farm	Recovery of textiles
E	412m NE	-	WEX193360	Treating waste exemption	Not on a farm	Recovery of textiles
E	412m NE	-	WEX193360	Storing waste exemption	Not on a farm	Storage of waste in secure containers
E	412m NE	-	WEX193360	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	438m W	Ings Mill, 226, Bradford Road, Batley, Wf17 6jd	WEX190644	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
G	438m W	Ings Mill, 226, Bradford Road, Batley, Wf17 6jd	WEX190644	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	438m W	Ings Mill, 226, Bradford Road, Batley, Wf17 6jd	WEX190644	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	439m W	Ings Mill Bradford Rd Batley West Yorkshire Wf17 6jd	EPR/SH0976V N/A001	Treating waste exemption	Non-agricultural waste only	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
G	447m W	Ings Mill, Ings Mill, 226 Bradford Road, Batley, Wf17 6jd	WEX033098	Storing waste exemption	Not on a farm	Storage of waste in secure containers
G	447m W	Ings Mill, Ings Mill, 226 Bradford Road, Batley, Wf17 6jd	WEX033098	Storing waste exemption	Not on a farm	Storage of waste in a secure place
G	447m W	Ings Mill, Ings Mill, 226 Bradford Road, Batley, Wf17 6jd	WEX033098	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
H	471m NE	Unit 7a Grange Road West Yorkshire Wf17 6ll	EPR/NF0907Z M/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
H	471m NE	Unit 7a Grange Road West Yorkshire Wf17 6ll	EPR/NF0907Z M/A001	Using waste exemption	Non-agricultural waste only	Use of waste in construction

*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
- ◆ Licensed pollutant release (Part A(2)/B)
- ◆ Licensed Discharges to controlled waters
- List 2 Dangerous Substances
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

**Records within 250m** **3**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 58](#) >

ID	Location	Company	Address	Activity	Category
1	7m W	R M Motors Ltd	206, Commonside, Hanging Heaton, Batley, West Yorkshire, WF17 6EB	Vehicle Repair, Testing and Servicing	Repair and Servicing
2	104m SE	Electricity Sub Station	West Yorkshire, WF12	Electrical Features	Infrastructure and Facilities
3	135m W	Electricity Sub Station	West Yorkshire, WF17	Electrical Features	Infrastructure and Facilities



*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m** **0**

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

**Records within 500m** **0**

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

**Records within 500m** **0**

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

## 4.5 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.*

## 4.6 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.*

## 4.7 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.*

## 4.8 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.*

## 4.9 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.*

## 4.10 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.*

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

Records within 500m

2

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 58 >](#)



ID	Location	Address	Details	
5	356m NE	Dean And Brooke Install, Grange Rd, Batley, WF17 6LN	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
8	460m NW	Evans Halshaw (Ford), Bradford Road, Batley, WF17 6HT	Process: Respraying of Road Vehicles 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.

## 4.12 Radioactive Substance Authorisations

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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.

## 4.13 Licensed Discharges to controlled waters

<b>Records within 500m</b>	<b>11</b>
----------------------------	-----------

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 58 >](#)

ID	Location	Address	Details	
4	339m NW	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/B/34 Permit Version: 1 Receiving Water: RIVER CALDER	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 31/05/1963 Effective Date: 31/05/1963 Revocation Date: 10/06/1993
A	386m NW	ALEXANDRAROAD,BATLEY,NRDE WSBURY,WESTYORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8674 Permit Version: 1 Receiving Water: BATLEY BECK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 11/03/2005 Effective Date: 01/04/2005 Revocation Date: 01/10/2009



ID	Location	Address	Details	
A	386m NW	ALEXANDRAROAD,BATLEY,NRDE WSBURY,WESTYORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC669 Permit Version: 1 Receiving Water: BATLEY BECK	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 31/03/2005
B	412m N	BATLEYGRANGEROADCSO,GRANG EROAD(REAROFNO90,BATLEY,WE STYORKSHIRE,WF176LW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 2844 Permit Version: 2 Receiving Water: BATLEY BECK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 15/03/2005 Effective Date: 31/03/2005 Revocation Date: 30/03/2018
C	413m W	YWSUNKNOWNSITE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/B/34 Permit Version: 1 Receiving Water: RIVER CALDER	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 31/05/1963 Effective Date: 31/05/1963 Revocation Date: 10/06/1993
B	414m N	BATLEYGRANGEROADCSO,GRANG EROAD(REAROFNO90,BATLEY,WE STYORKSHIRE,WF176LW	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: 2844 Permit Version: 3 Receiving Water: GREENHILL DIKE CULVERTED	Status: VARIED UNDER EPR 2010 Issue date: 12/03/2018 Effective Date: 31/03/2018 Revocation Date: -
C	422m W	WARWICKROADNO2CSO,WARWI CKROAD(OPPNO28A,BATLEY,WES TYORKSHIRE,WF176BB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8554 Permit Version: 2 Receiving Water: BATLEY BECK	Status: VARIED UNDER EPR 2010 Issue date: 28/08/2020 Effective Date: 28/08/2020 Revocation Date: -
C	422m W	WARWICKROADNO2CSO,WARWI CKROAD(OPPNO28A,BATLEY,WES TYORKSHIRE,WF176BB	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8554 Permit Version: 1 Receiving Water: BATLEY BECK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 16/03/2005 Effective Date: 31/03/2005 Revocation Date: 27/08/2020
C	423m W	BATLEYMOUNTSTREETCSO,MOUN TSTREET,OPPOSITE2RINGTERRAC E,BATLEY,WESTYORKSHIRE,WF17 6BH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8819 Permit Version: 2 Receiving Water: BATLEY BECK	Status: VARIED UNDER EPR 2010 Issue date: 08/11/2017 Effective Date: 08/11/2017 Revocation Date: -



ID	Location	Address	Details	
C	423m W	WELLLANECSO,WELLLANEBRADF ORDROADJUNCTION,BATLEY,DEW SBURY,WESTYORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8530 Permit Version: 1 Receiving Water: BATLEY BECK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: -
C	423m W	BATLEYMOUNTSTREETCSO,MOUN TSTREET,OPPOSITE2RINGTERRAC E,BATLEY,WESTYORKSHIRE,WF17 6BH	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8819 Permit Version: 1 Receiving Water: BATLEY BECK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 07/11/2017

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

#### 4.14 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.*

#### 4.15 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.*

#### 4.16 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.*



## 4.17 List 2 Dangerous Substances

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

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.

Features are displayed on the Current industrial land use map on [page 58 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
A	408m NW	O'donnell And Stockwell Ltd,batley,wf17 6ja	Not Active	Unknown	Chromium

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

## 4.18 Pollution Incidents (EA/NRW)

<b>Records within 500m</b>	<b>8</b>
----------------------------	----------

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 58 >](#)

ID	Location	Details	
A	380m NW	Incident Date: 12/06/2003 Incident Identification: 165150 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
6	409m NE	Incident Date: 22/10/2001 Incident Identification: 38417 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
7	421m W	Incident Date: 31/01/2002 Incident Identification: 55606 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
C	438m W	Incident Date: 06/05/2003 Incident Identification: 156282 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
9	461m NE	Incident Date: 15/05/2002 Incident Identification: 78894 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
10	465m NW	Incident Date: 12/06/2003 Incident Identification: 165180 Pollutant: Contaminated Water Pollutant Description: Firefighting Run-Off	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
11	484m N	Incident Date: 13/12/2001 Incident Identification: 48120 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
12	487m N	Incident Date: 04/10/2002 Incident Identification: 112485 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	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.*

#### 4.19 Pollution inventory substances

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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.*

#### 4.20 Pollution inventory waste transfers

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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.*



## 4.21 Pollution inventory radioactive waste

Records within 500m

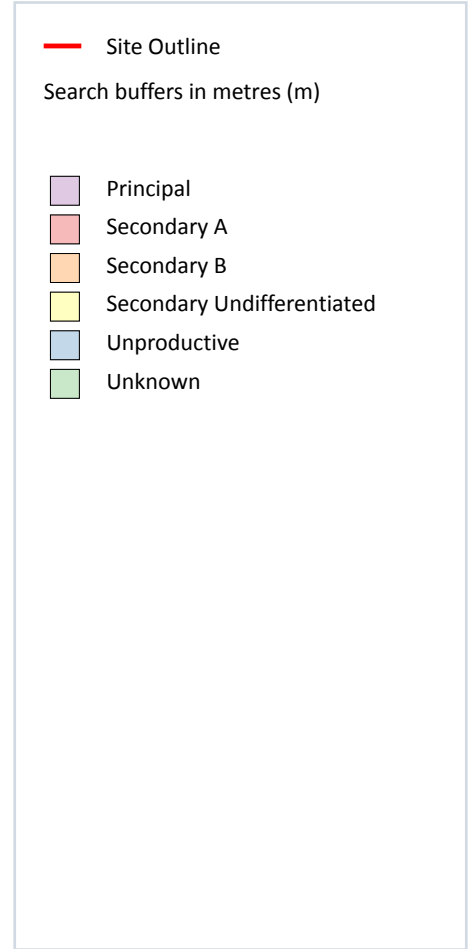
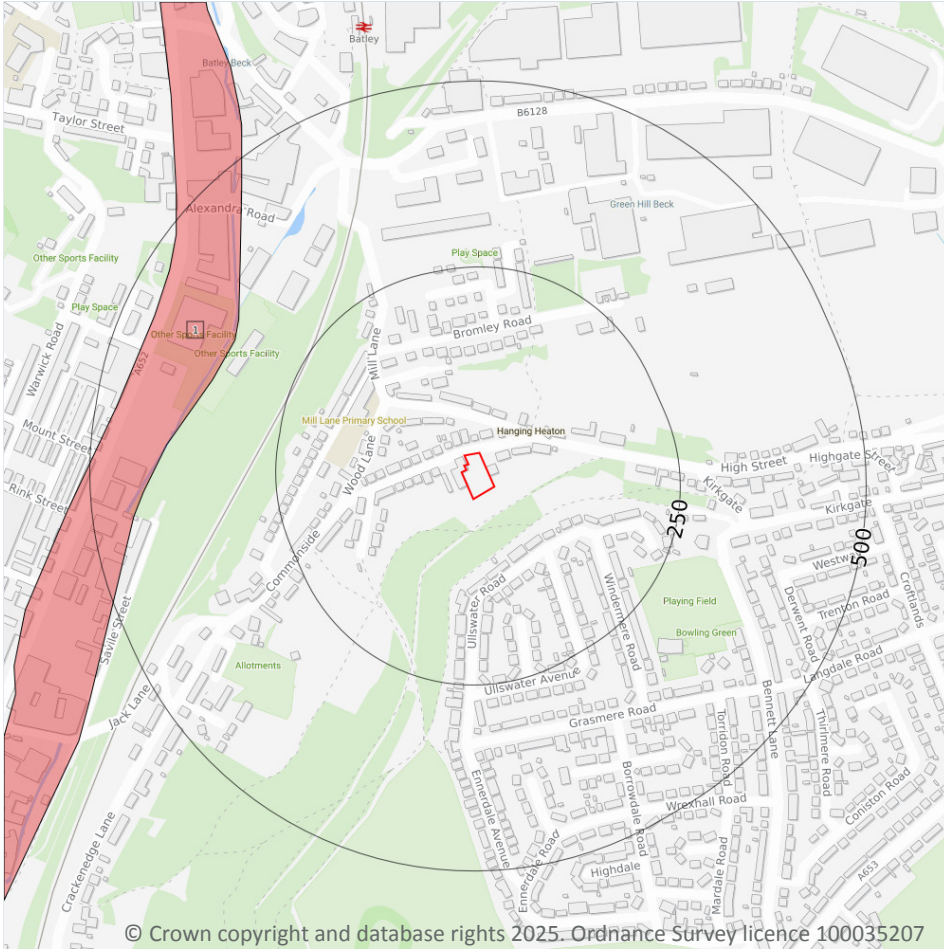
0

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**

**1**

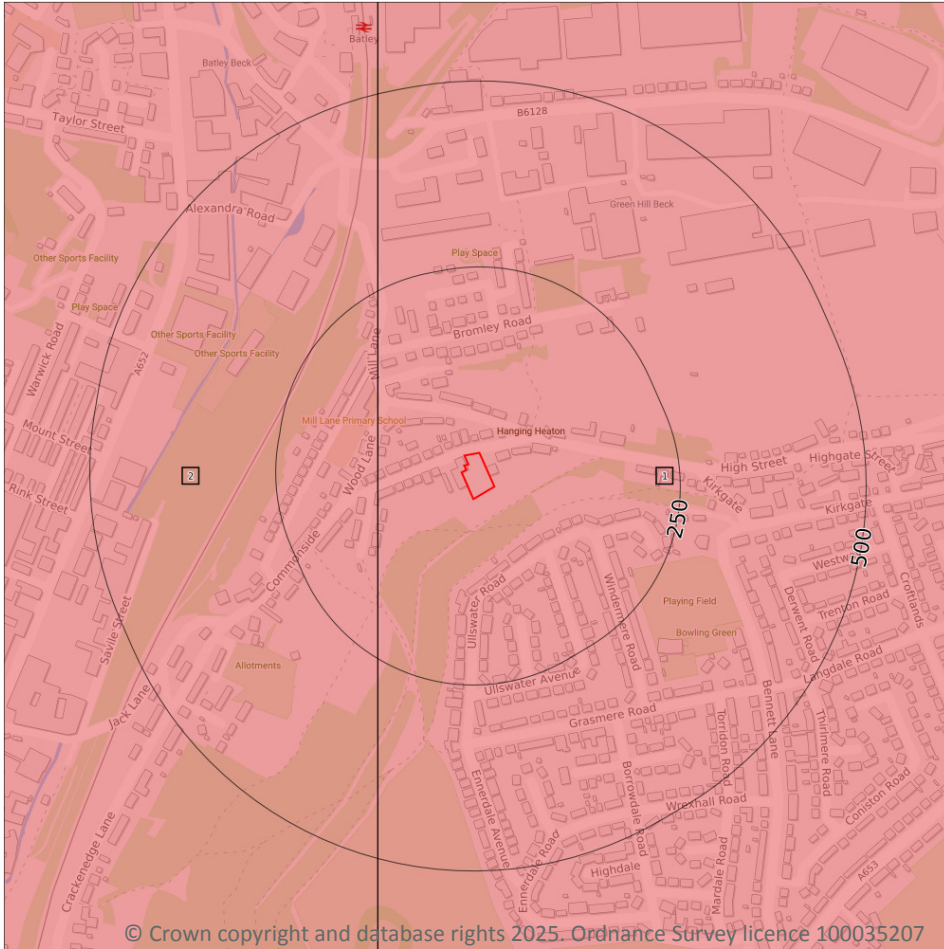
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 67 >](#)

ID	Location	Designation	Description
1	345m NW	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.*

## 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 68](#) >

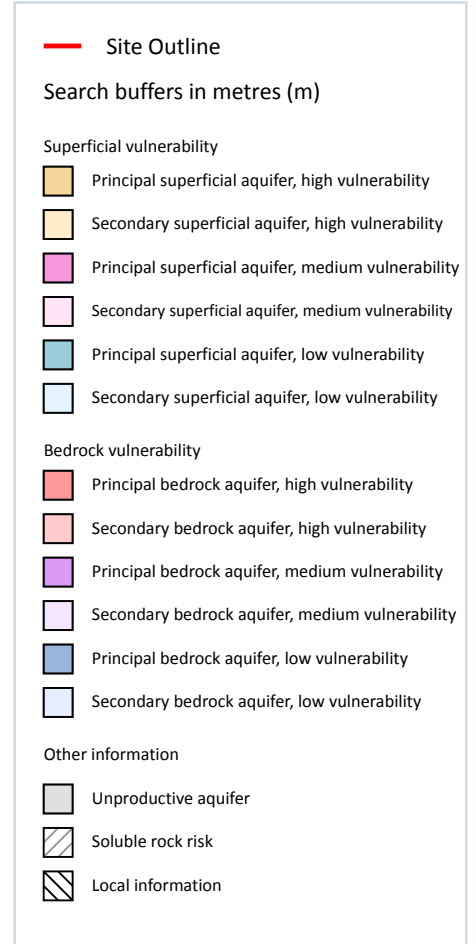
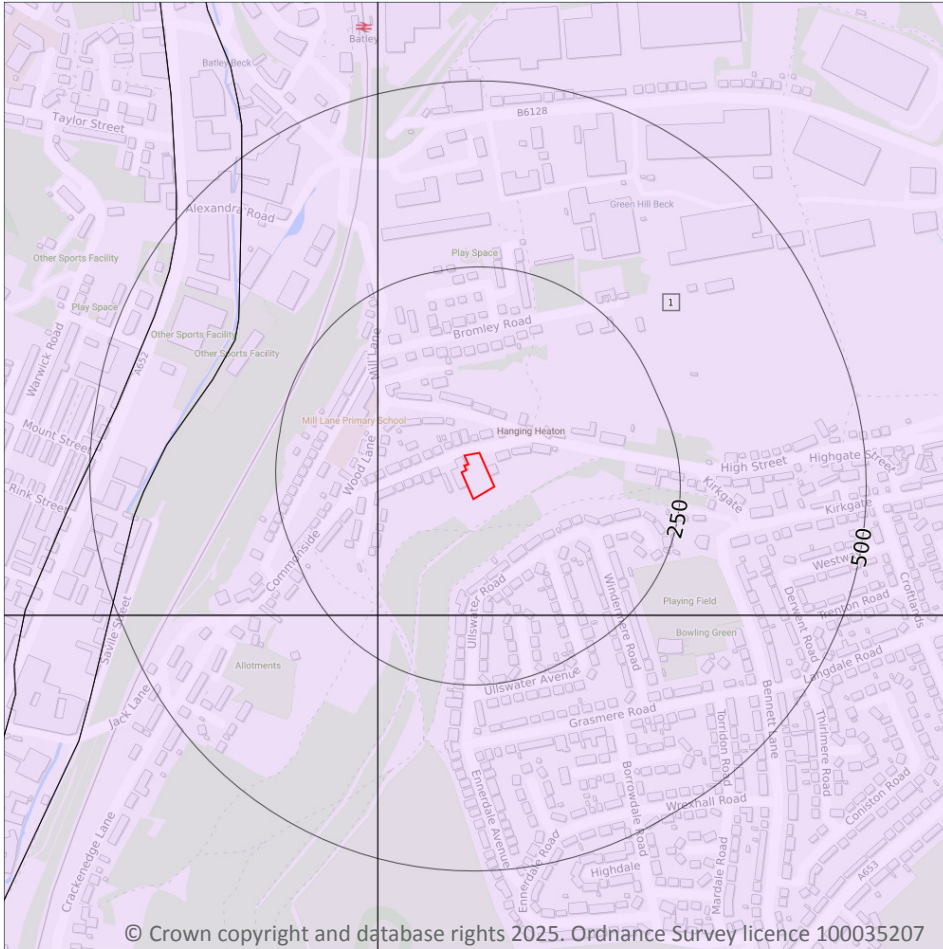
ID	Location	Designation	Description
1	On site	Secondary A	<b>Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers</b>
2	113m W	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



### 5.3 Groundwater vulnerability

Records within 50m

1

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 70 >](#)

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

<b>Records on site</b>	<b>0</b>
------------------------	----------

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.*

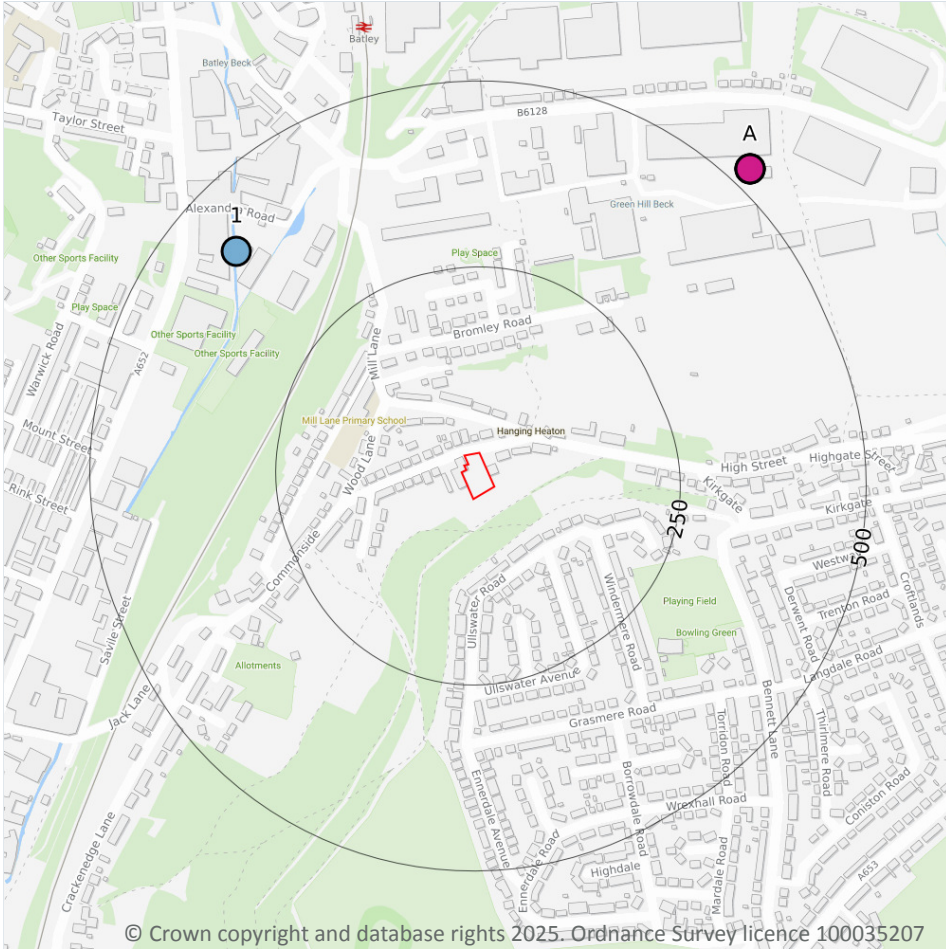
## 5.5 Groundwater vulnerability- local information

<b>Records on site</b>	<b>0</b>
------------------------	----------

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](mailto:enquiries@environment-agency.gov.uk) ↗.

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

## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

14

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 72 >](#)

ID	Location	Details	
A	527m NE	Status: Historical Licence No: 2/27/13/143 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: WHARFEDALE FINANCE COMPANY Easting: 425500 Northing: 423600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/09/1977 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1990 Version End Date: -
A	527m NE	Status: Historical Licence No: 2/27/13/143 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: WHARFEDALE FINANCE COMPANY Easting: 425500 Northing: 423600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/09/1977 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1990 Version End Date: -
A	527m NE	Status: Historical Licence No: 2/27/13/143 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - BATLEY Data Type: Point Name: WHARFEDALE FINANCE COMPANY Easting: 425500 Northing: 423600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/09/1977 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1990 Version End Date: -
A	527m NE	Status: Historical Licence No: 2/27/13/143 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - BATLEY Data Type: Point Name: WHARFEDALE FINANCE CO Easting: 425500 Northing: 423600	Annual Volume (m <sup>3</sup> ): 227000 Max Daily Volume (m <sup>3</sup> ): 621.92 Original Application No: - Original Start Date: 27/09/1977 Expiry Date: - Issue No: 100 Version Start Date: 21/05/1990 Version End Date: -



ID	Location	Details	
-	998m SW	Status: Historical Licence No: 2/27/13/046 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: JOSHUA ELLIS & COMPANY LIMITED Easting: 424300 Northing: 422600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 22/10/1997 Version End Date: -
-	998m SW	Status: Historical Licence No: 2/27/13/046 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: JOSHUA ELLIS & COMPANY LIMITED Easting: 424300 Northing: 422600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 22/10/1997 Version End Date: -
-	998m SW	Status: Historical Licence No: 2/27/13/046 Details: Process water Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: JOSHUA ELLIS & COMPANY LIMITED Easting: 424300 Northing: 422600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 22/10/1997 Version End Date: -
-	998m SW	Status: Historical Licence No: 2/27/13/046 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: JOSHUA ELLIS & COMPANY LIMITED Easting: 424300 Northing: 422600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 22/10/1997 Version End Date: -



ID	Location	Details	
-	998m SW	Status: Historical Licence No: 2/27/13/046 Details: General use relating to Secondary Category (High Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: JOSHUA ELLIS & COMPANY LIMITED Easting: 424300 Northing: 422600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 22/10/1997 Version End Date: -
-	998m SW	Status: Historical Licence No: 2/27/13/046 Details: Process water Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: JOSHUA ELLIS & COMPANY LIMITED Easting: 424300 Northing: 422600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 22/10/1997 Version End Date: -
-	1861m S	Status: Active Licence No: 2/27/13/169 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: THOMAS CHADWICK & SONS LTD Easting: 425000 Northing: 421300	Annual Volume (m <sup>3</sup> ): 140000 Max Daily Volume (m <sup>3</sup> ): 576 Original Application No: 6451 Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 Version End Date: -
-	1861m S	Status: Historical Licence No: 2/27/13/169 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THOMAS CHADWICK & SONS LIMITED Easting: 425000 Northing: 421300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 Version End Date: -



ID	Location	Details	
-	1970m S	Status: Active Licence No: 2/27/13/169 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - DEWSBURY Data Type: Point Name: THOMAS CHADWICK & SONS LTD Easting: 424900 Northing: 421200	Annual Volume (m <sup>3</sup> ): 140000 Max Daily Volume (m <sup>3</sup> ): 576 Original Application No: 6451 Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 Version End Date: -
-	1970m S	Status: Historical Licence No: 2/27/13/169 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THOMAS CHADWICK & SONS LIMITED Easting: 424900 Northing: 421200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 26/01/1993 Expiry Date: - Issue No: 100 Version Start Date: 25/04/1997 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 72 >](#)

ID	Location	Details	
1	412m NW	Status: Historical Licence No: 2/27/13/206 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: BATLEY BECK Data Type: Point Name: CULLINGWORTH SUMMERS & CO LTD Easting: 424810 Northing: 423490	Annual Volume (m <sup>3</sup> ): 11500 Max Daily Volume (m <sup>3</sup> ): 60 Original Application No: - Original Start Date: 21/08/2001 Expiry Date: 31/03/2015 Issue No: 2 Version Start Date: 23/05/2005 Version End Date: -



ID	Location	Details	
-	1900m S	Status: Historical Licence No: 2/27/13/129 Details: Boiler Feed Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Point Name: ARONSTEAD LIMITED Easting: 424510 Northing: 421360	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 24/02/1971 Expiry Date: - Issue No: 100 Version Start Date: 16/03/1978 Version End Date: -
-	1951m S	Status: Active Licence No: 2/27/13/163 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER - DEWSBURY Data Type: Point Name: Henry Day and Sons Ltd Easting: 424560 Northing: 421290	Annual Volume (m <sup>3</sup> ): 15000 Max Daily Volume (m <sup>3</sup> ): 90.92 Original Application No: 6210 Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2024 Version End Date: -
-	1951m S	Status: Historical Licence No: 2/27/13/163 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER CALDER Data Type: Point Name: HENRY DAY & SONS LTD Easting: 424560 Northing: 421290	Annual Volume (m <sup>3</sup> ): 15000 Max Daily Volume (m <sup>3</sup> ): 90.92 Original Application No: - Original Start Date: 01/06/1989 Expiry Date: - Issue No: 100 Version Start Date: 01/06/1989 Version End Date: -

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

## 5.8 Potable abstractions

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

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.

*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

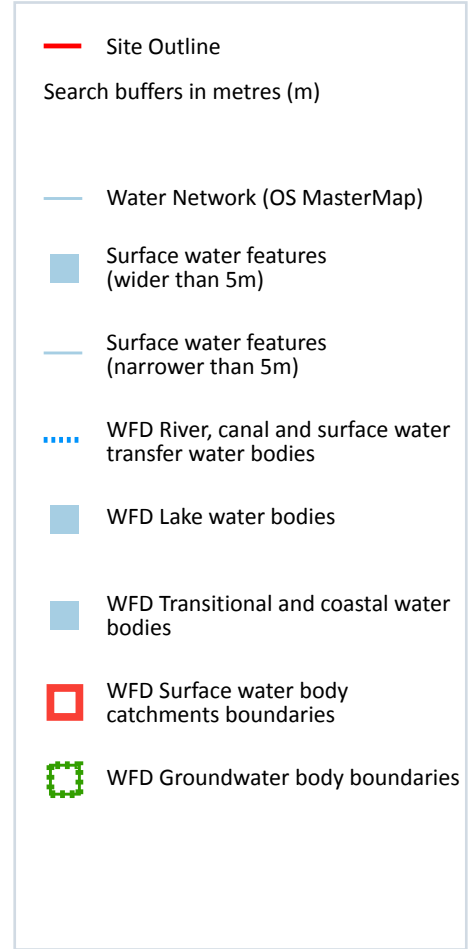
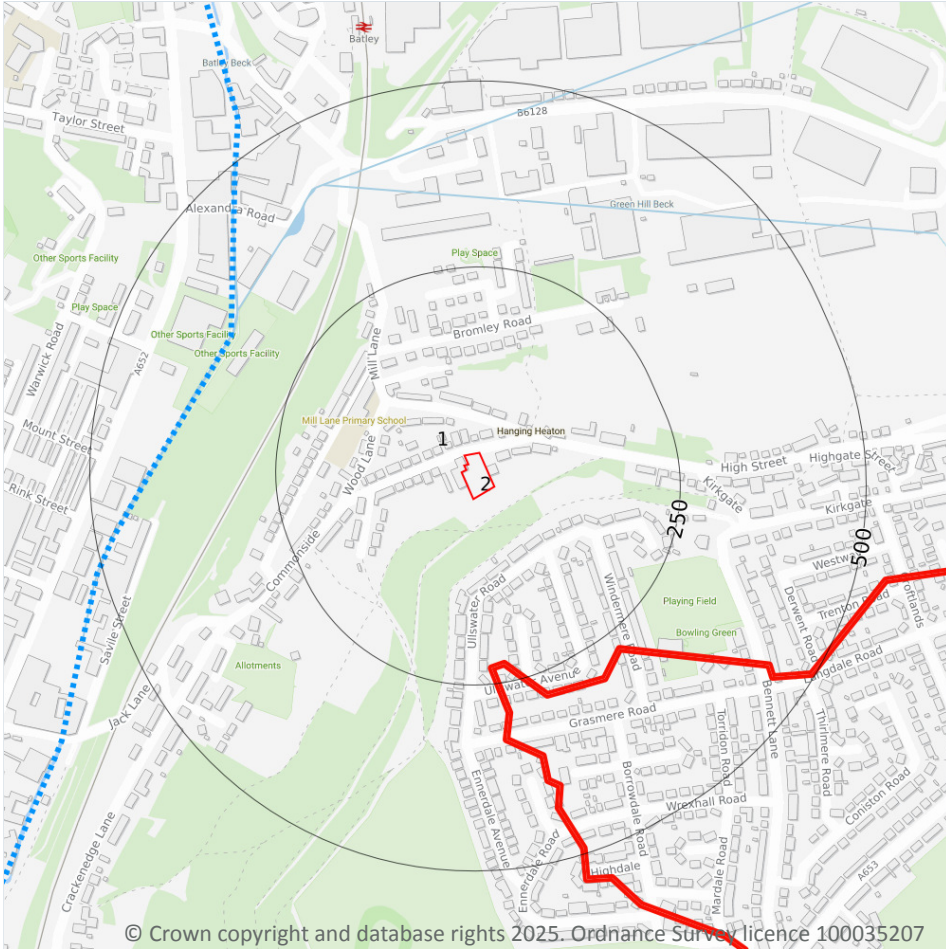
0

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



### 6.1 Water Network (OS MasterMap)

Records within 250m

0

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

*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 79 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Batley Beck from Source to River Calder	GB104027062670	Calder Lower	Aire and Calder

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 79 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
7	352m NW	River	Batley Beck from Source to River Calder	<a href="#">GB104027062670 ↗</a>	Moderate	Fail	Moderate	2019

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



## 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

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 79 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.	<a href="#">GB40402G700400 ↗</a>	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.

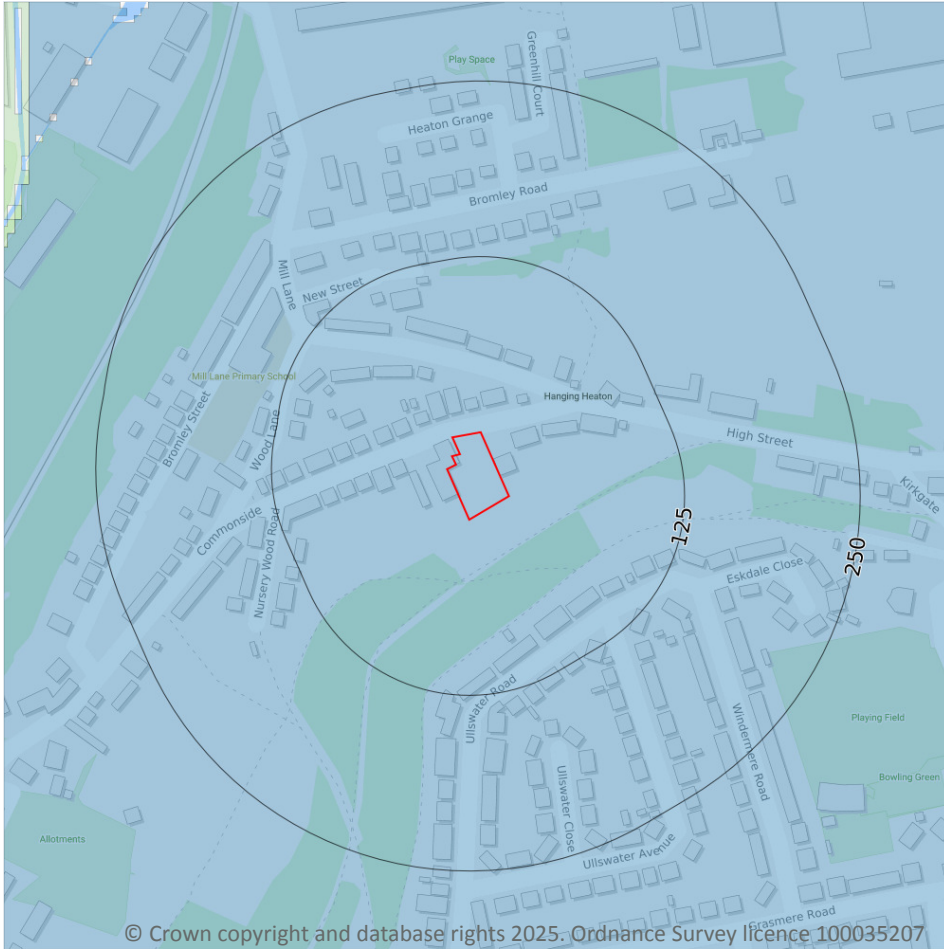
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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



### 9.1 Groundwater flooding

**Highest risk on site**

**Negligible**

**Highest risk within 50m**

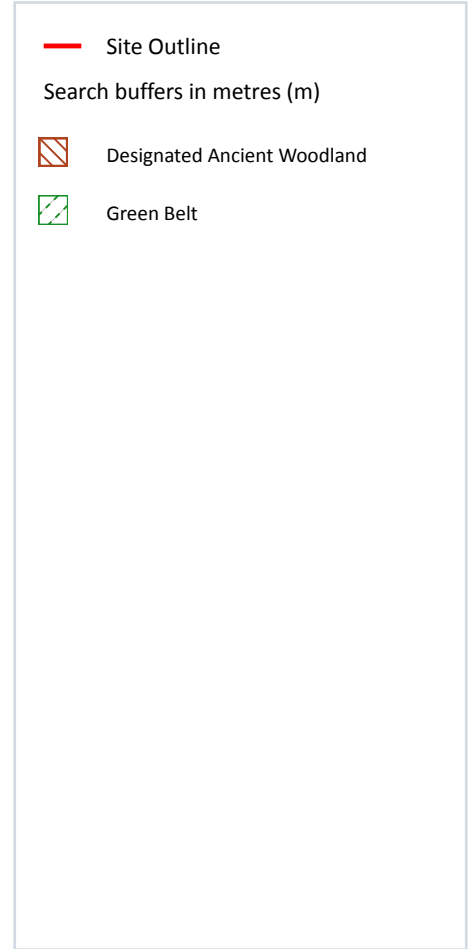
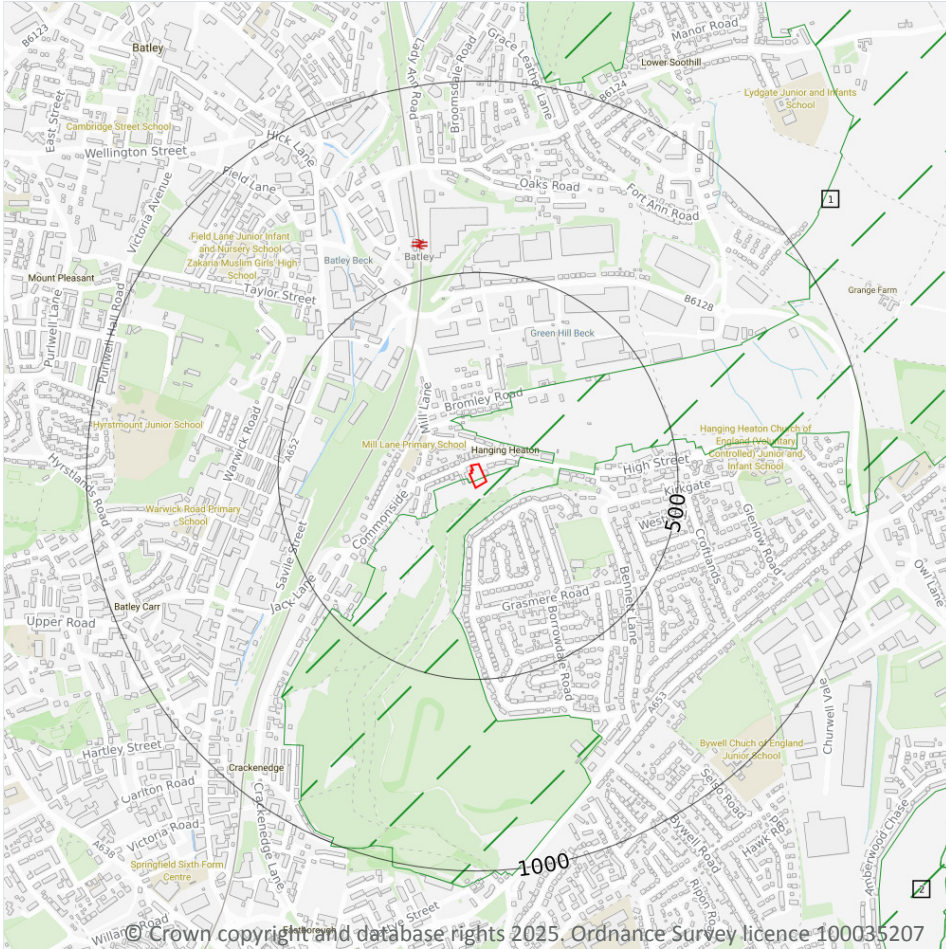
**Negligible**

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 86](#) >

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations



### 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

0

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.

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

## 10.7 Designated Ancient Woodland

Records within 2000m

1

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 87 >](#)

ID	Location	Name	Woodland Type
-	1947m NE	Soothill Wood	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

7

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

Features are displayed on the Environmental designations map on [page 87](#) >

ID	Location	Name	Local Authority name
1	On site	South and West Yorkshire Green Belt	Kirklees
2	1410m SE	South and West Yorkshire Green Belt	Kirklees
-	1466m N	South and West Yorkshire Green Belt	Kirklees
4	1509m SE	South and West Yorkshire Green Belt	Wakefield
-	1530m SE	South and West Yorkshire Green Belt	Kirklees
-	1534m N	South and West Yorkshire Green Belt	Leeds
-	1537m N	South and West Yorkshire Green Belt	Kirklees

*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

1

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.

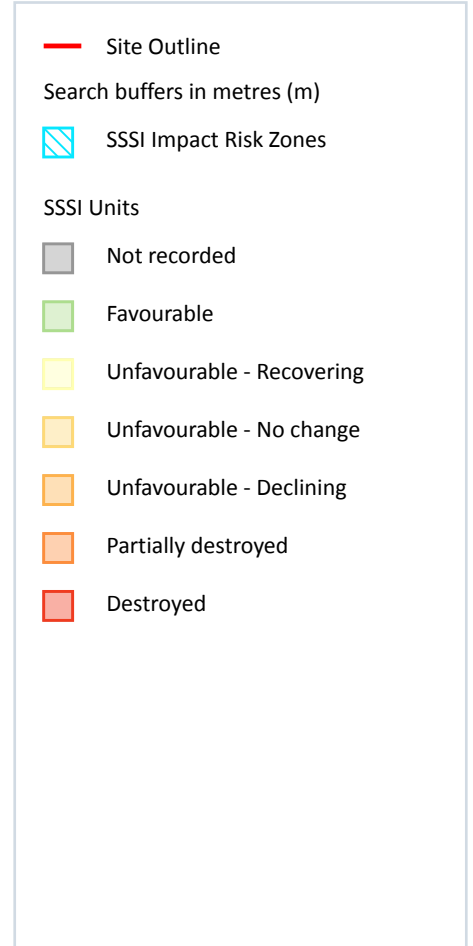
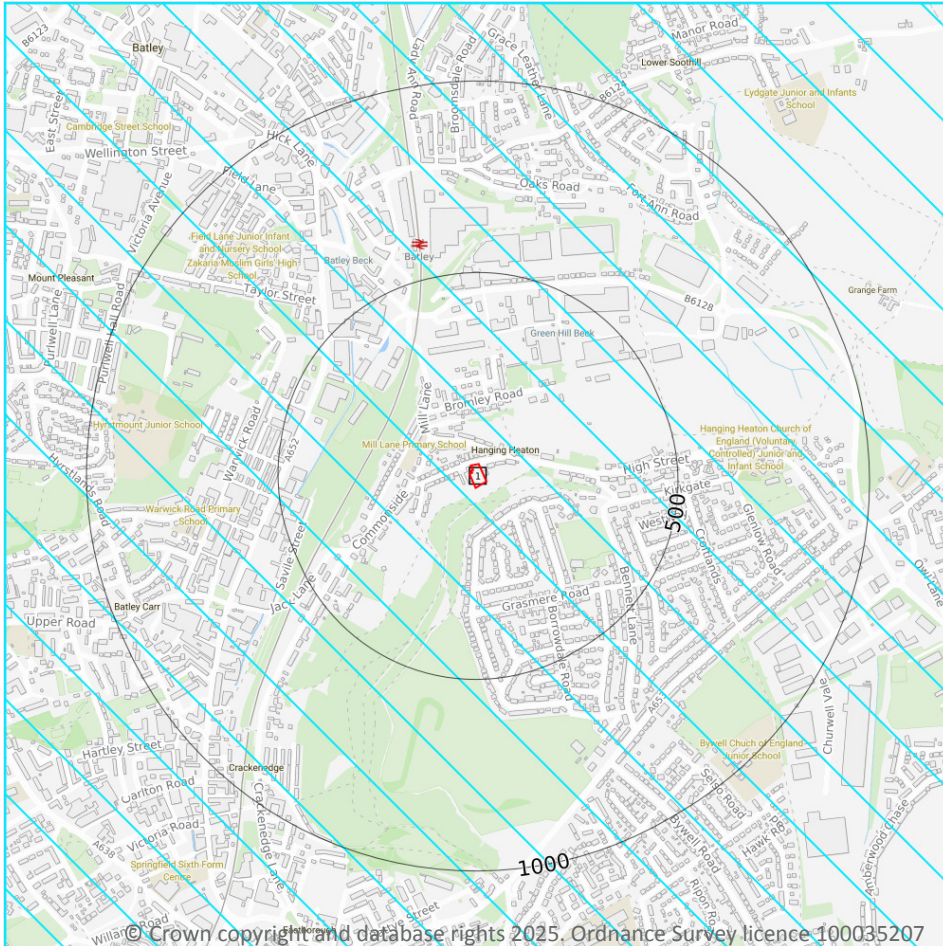
Location	Name	Type	NVZ ID	Status
1829m W	Spenn Beck from Source to River Calder NVZ	Surface Water	271	Existing



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



## SSSI Impact Zones and Units



### 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 93](#) >

ID	Location	Type of developments requiring consultation
----	----------	---

1	On site	<b>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 4000m<sup>2</sup>. Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b>
---	---------	--

*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

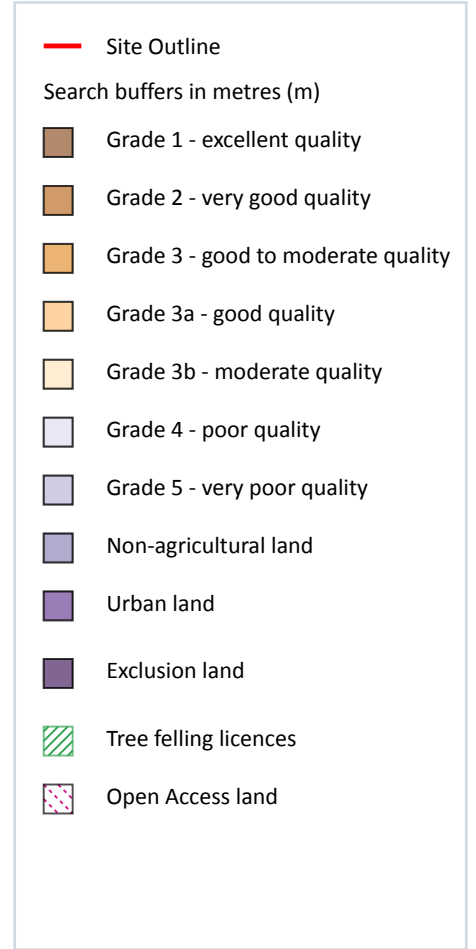
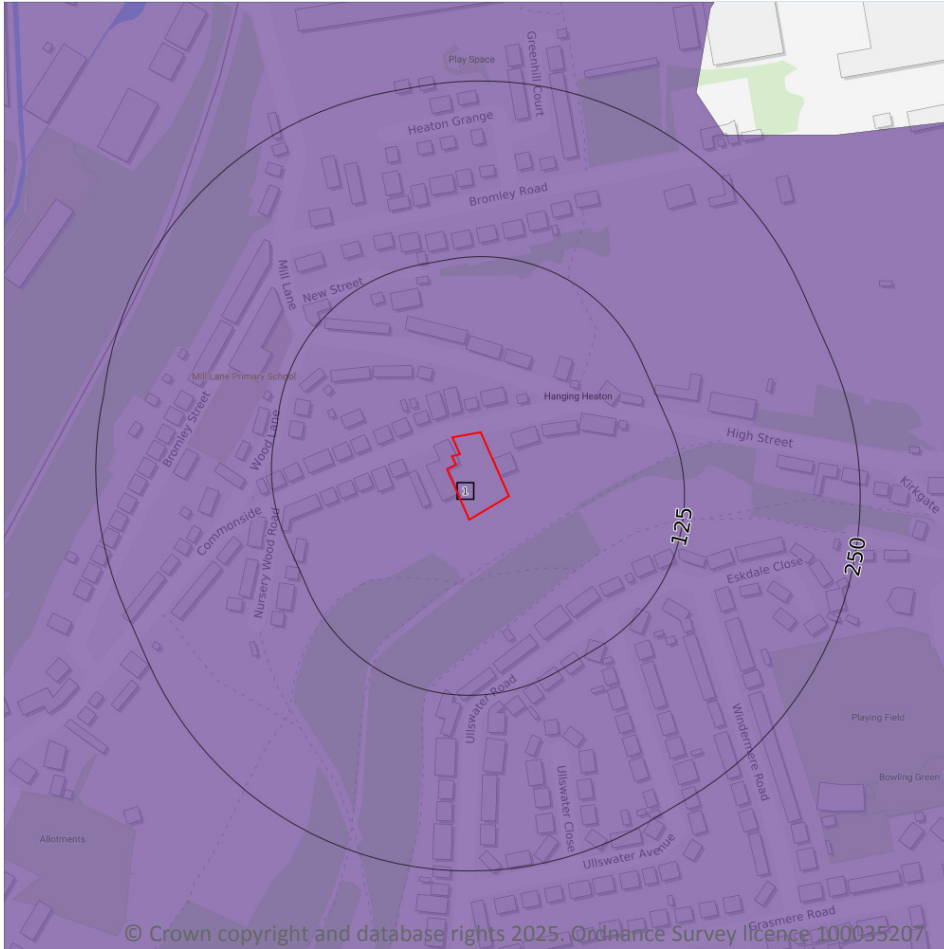
0

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



### 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 97](#) >

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

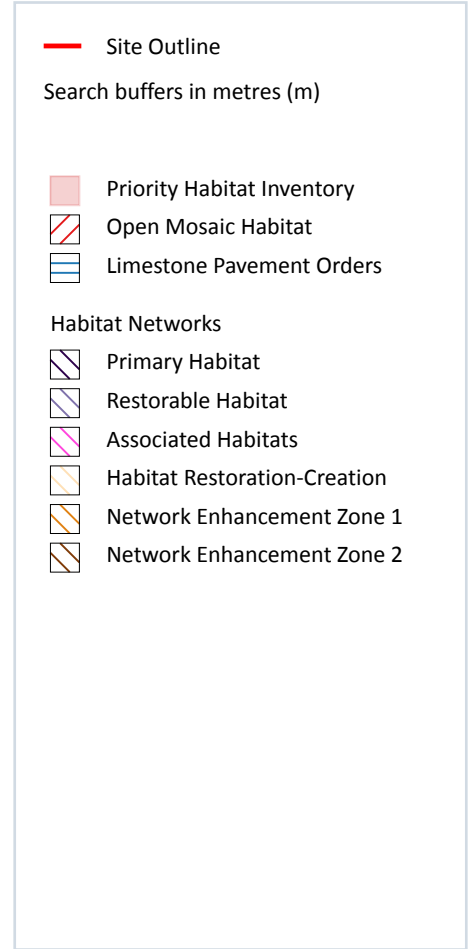
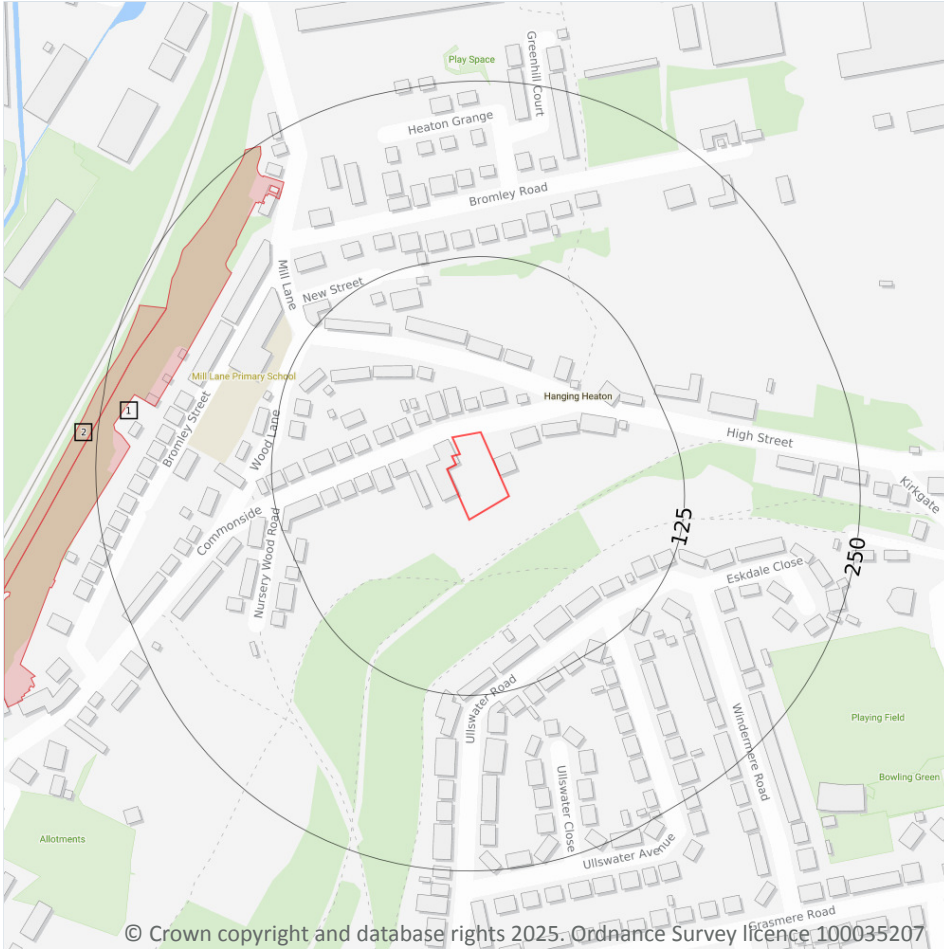
0

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

2

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

Features are displayed on the Habitat designations map on [page 99](#) >

ID	Location	Main Habitat	Other habitats
1	194m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	223m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

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.

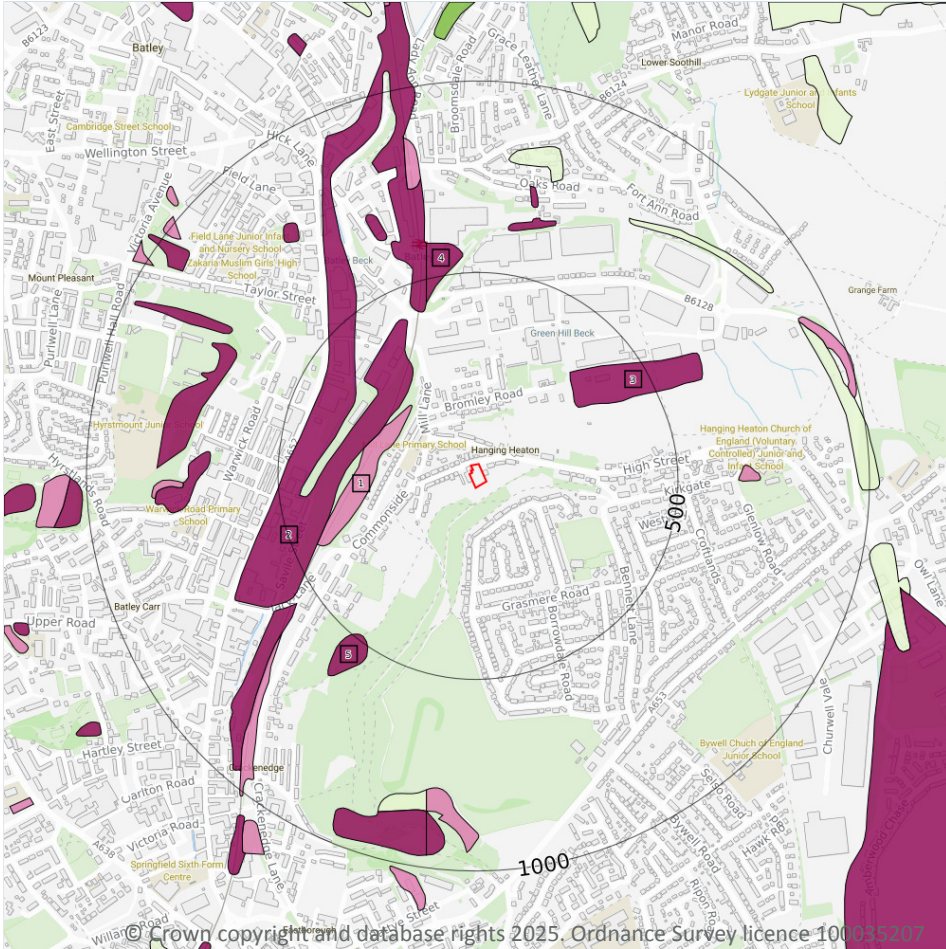
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 101](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SE22SE
2	113m W	Full	Full	Full	Full	SE22SW

This data is sourced from the British Geological Survey.



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



### 14.2 Artificial and made ground (10k)

Records within 500m

5

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 102 >](#)

ID	Location	LEX Code	Description	Rock description
1	204m NW	WGR-VOID	Worked Ground (Undivided)	Void
2	241m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	297m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	440m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

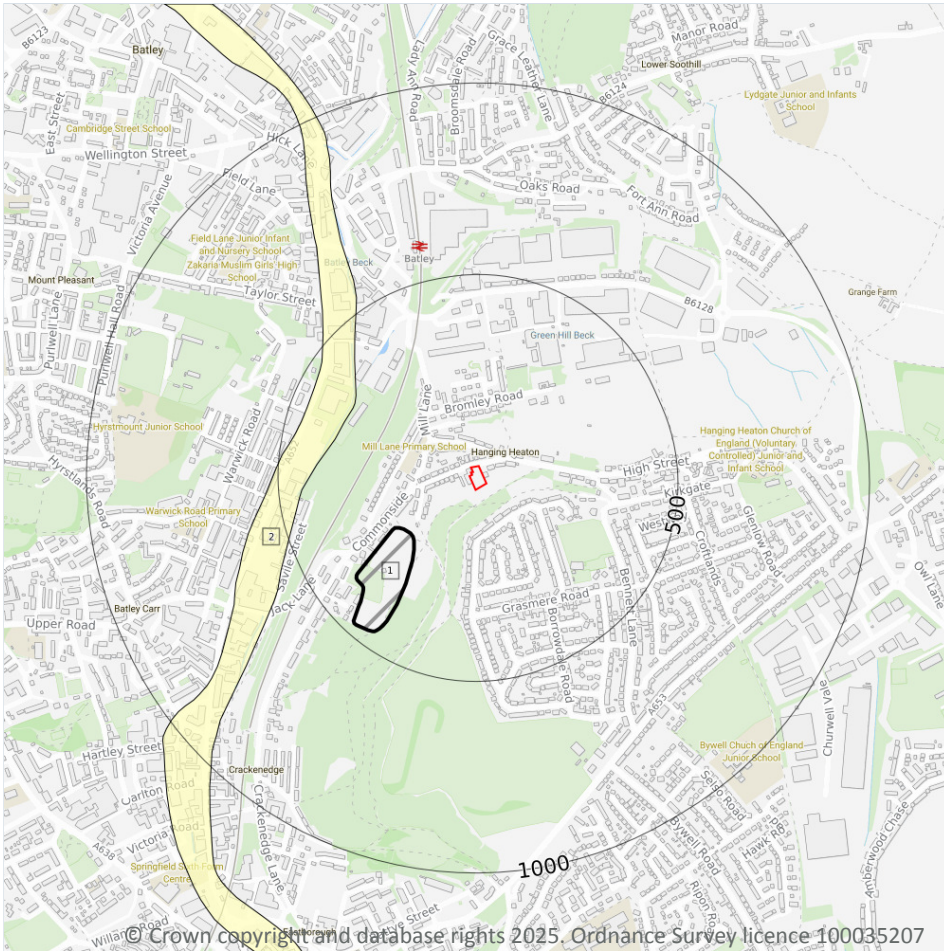



ID	Location	LEX Code	Description	Rock description
5	486m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
-  Landslip (10k)
- Superficial geology (10k)  
Please see table for more details.

### 14.3 Superficial geology (10k)

#### Records within 500m

**1**

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.

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 104 >](#)

ID	Location	LEX Code	Description	Rock description
2	345m NW	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel

*This data is sourced from the British Geological Survey.*



## 14.4 Landslip (10k)

Records within 500m

1

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.

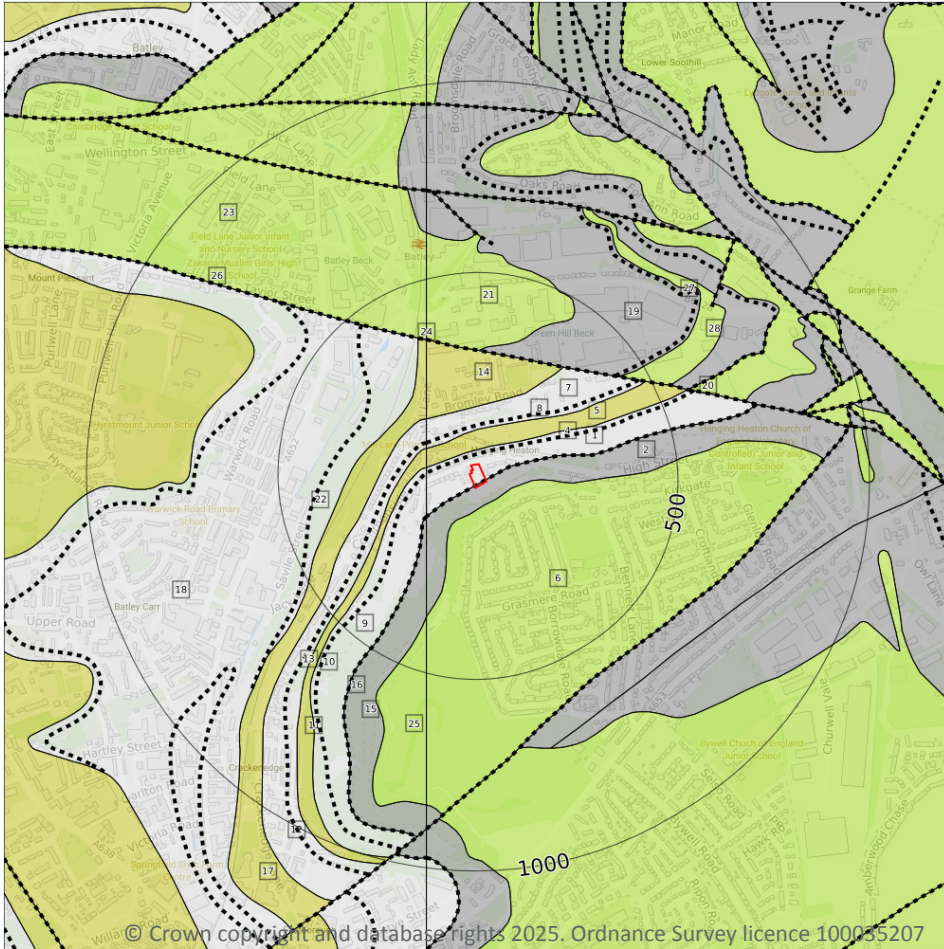
Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 104](#) >

ID	Location	LEX Code	Description	Rock description
1	204m SW	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry

*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

17

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 106](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
2	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsoviaian Sub-age - Duckmantian Sub-age
5	36m NW	ER-SDST	Emley Rock - Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
6	51m S	TR-SDST	Thornhill Rock - Sandstone	Duckmantian Sub-age
7	82m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
9	113m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
11	114m W	ER-SDST	Emley Rock - Sandstone	Langsettian Sub-age
12	125m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
14	146m N	BRSR-SDST	Birstall Rock - Sandstone	Langsettian Sub-age
15	149m SW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsoviaian Sub-age - Duckmantian Sub-age
17	168m NW	BRSR-SDST	Birstall Rock - Sandstone	Langsettian Sub-age
18	225m NW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
19	292m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsoviaian Sub-age - Duckmantian Sub-age
21	297m N	TR-SDST	Thornhill Rock - Sandstone	Duckmantian Sub-age
23	349m N	TR-SDST	Thornhill Rock - Sandstone	Duckmantian Sub-age
25	360m S	TR-SDST	Thornhill Rock - Sandstone	Duckmantian Sub-age
28	430m NE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsoviaian Sub-age - Duckmantian Sub-age

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

**Records within 500m**

**11**

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 106 >](#)

ID	Location	Category	Description
<b>3</b>	<b>On site</b>	<b>ROCK</b>	<b>Coal seam, inferred</b>
4	25m NW	ROCK	Coal seam, inferred

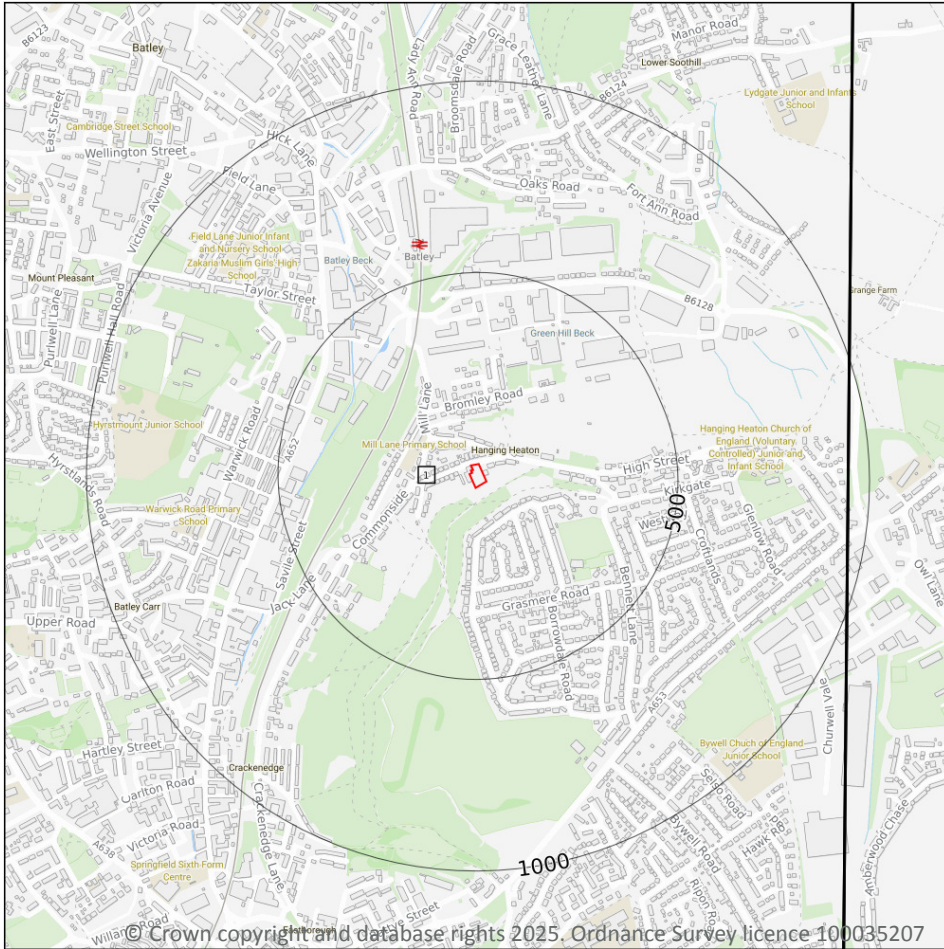


ID	Location	Category	Description
8	96m NW	ROCK	Coal seam, inferred
10	113m W	ROCK	Coal seam, inferred
13	131m NW	ROCK	Coal seam, inferred
16	149m SW	ROCK	Coal seam, inferred coincident with bedrock geology boundary
20	292m N	FAULT	Normal fault, inferred
22	305m NW	ROCK	Coal seam, inferred
24	349m N	FAULT	Normal fault, inferred; downthrow not specified
26	375m NW	FAULT	Normal fault, inferred; downthrow not specified
27	425m NE	ROCK	Coal seam, inferred

*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.

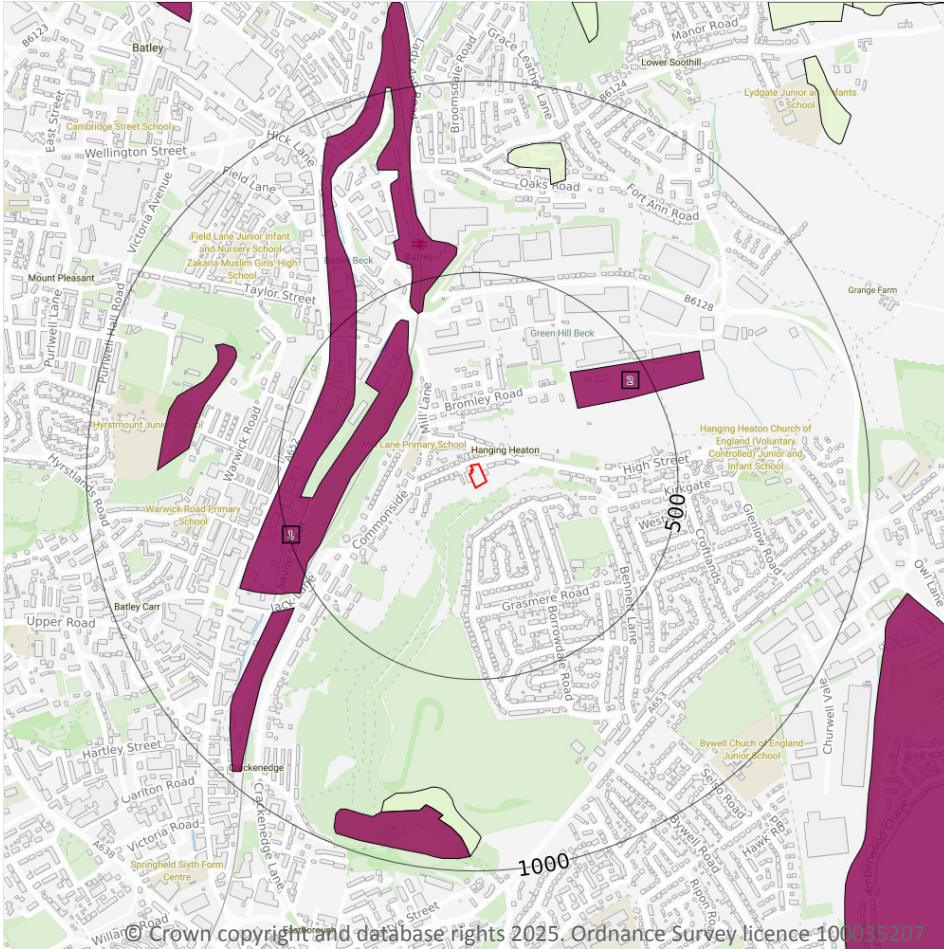
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 109](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW077_huddersfield_v4

This data is sourced from the British Geological Survey.



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



### 15.2 Artificial and made ground (50k)

**Records within 500m** 2

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 110](#) >

ID	Location	LEX Code	Description	Rock description
1	236m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
2	297m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

*This data is sourced from the British Geological Survey.*

### 15.3 Artificial ground permeability (50k)

Records within 50m

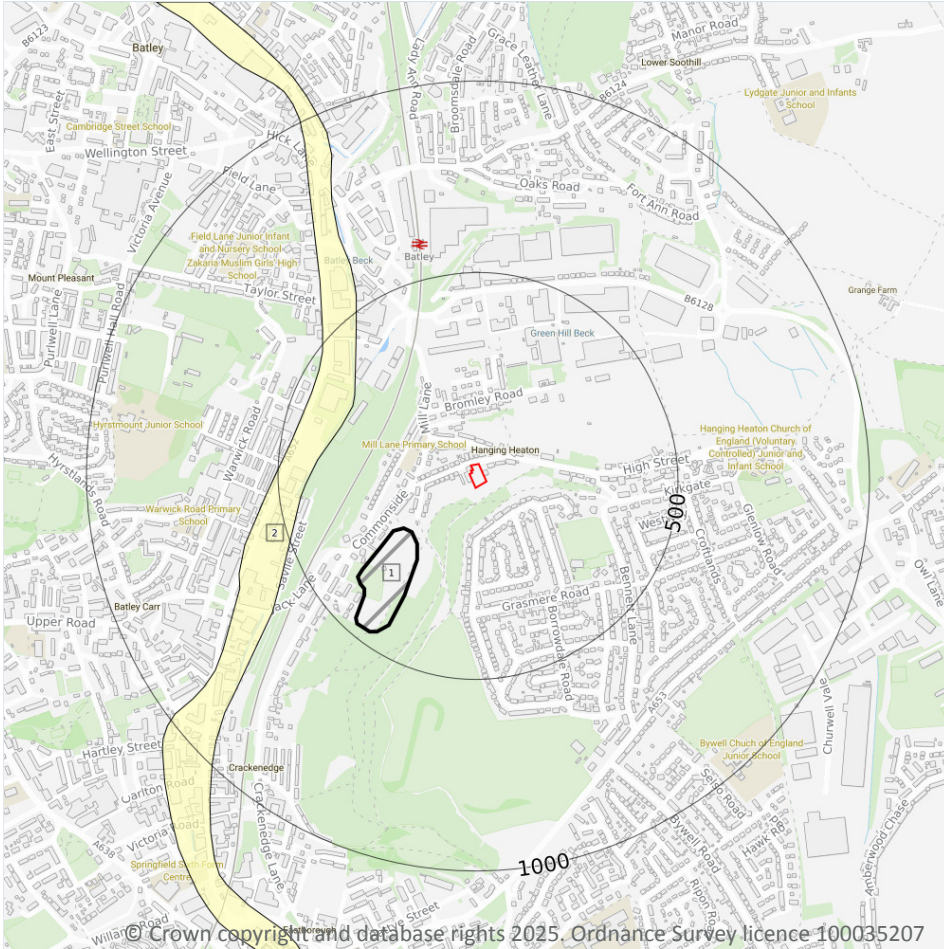
0


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



- Site Outline
- Search buffers in metres (m)
-  Landslip (50k)
- Superficial geology (50k)  
Please see table for more details.

### 15.4 Superficial geology (50k)

#### Records within 500m

**1**

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 112 >](#)

ID	Location	LEX Code	Description	Rock description
2	345m NW	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

*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

1

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 112 >](#)

ID	Location	LEX Code	Description	Rock description
1	203m SW	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

*This data is sourced from the British Geological Survey.*

## 15.7 Landslip permeability (50k)

Records within 50m

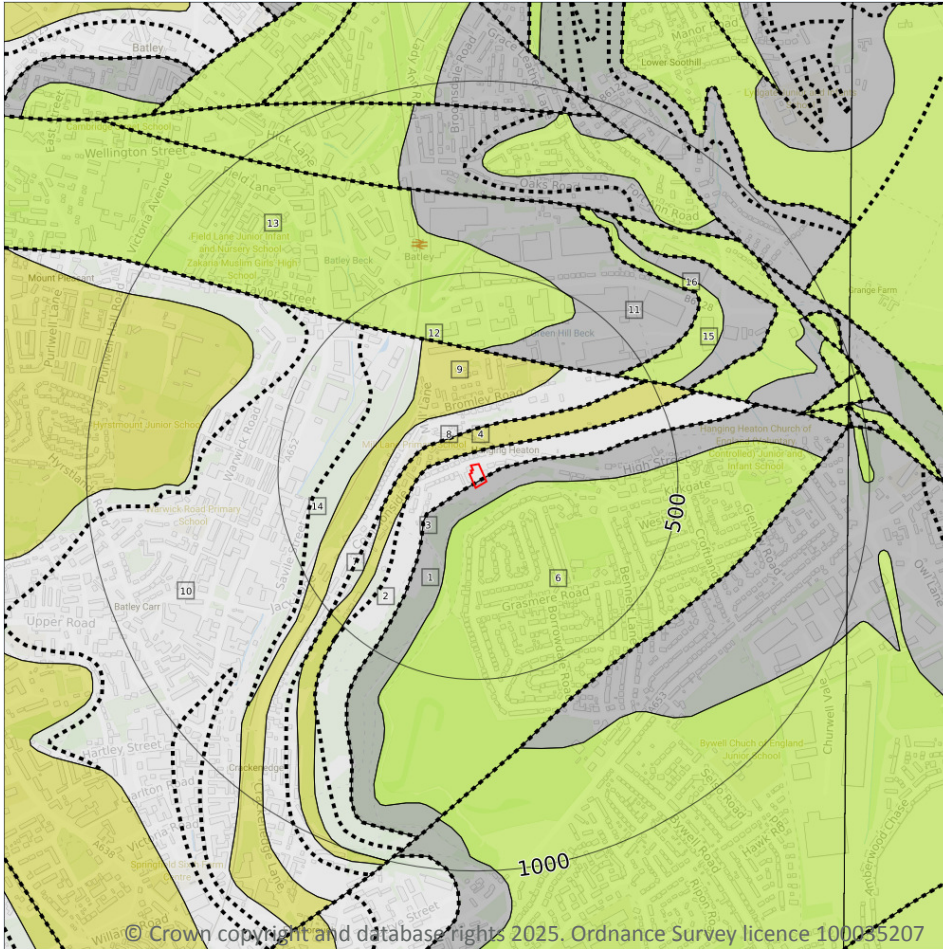
0

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

10

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 114](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
4	31m NW	ER-SDST	EMLEY ROCK - SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
6	52m S	TR-SDST	THORNHILL ROCK - SANDSTONE	WESTPHALIAN
7	86m NW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
9	143m N	BRSR-SDST	BIRSTALL ROCK - SANDSTONE	WESTPHALIAN
10	220m NW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
11	291m N	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
13	297m N	TR-SDST	THORNHILL ROCK - SANDSTONE	WESTPHALIAN
15	424m NE	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - 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
<b>On site</b>	<b>Fracture</b>	<b>Moderate</b>	<b>Low</b>
<b>On site</b>	<b>Fracture</b>	<b>Moderate</b>	<b>Low</b>
31m NW	Fracture	High	Moderate

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

**Records within 500m**

**6**

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 114 >](#)

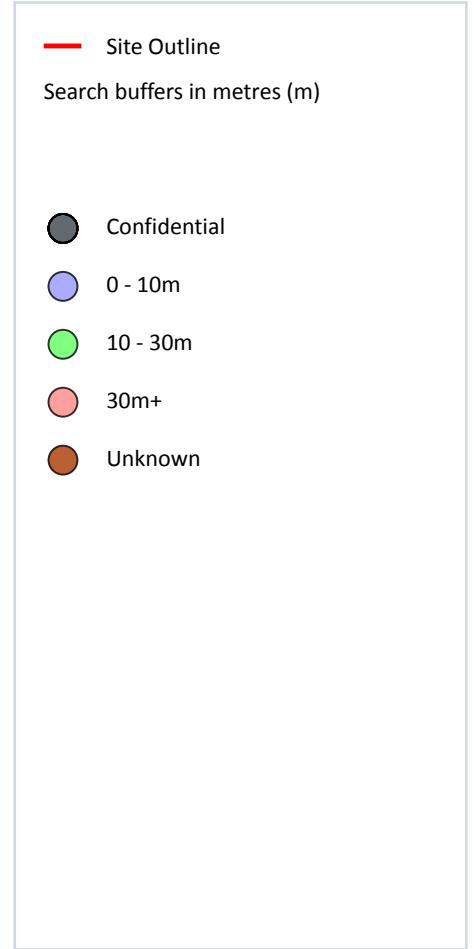
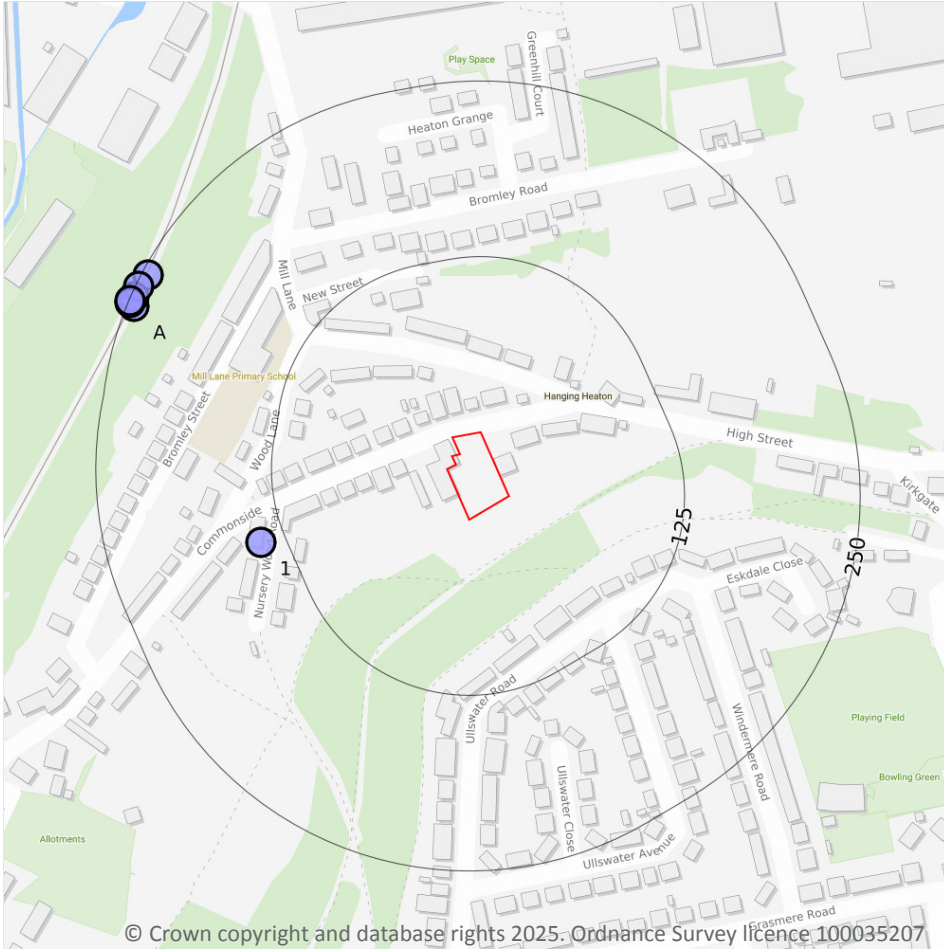


ID	Location	Category	Description
<b>3</b>	<b>On site</b>	<b>ROCK</b>	<b>Coal seam, inferred</b>
5	31m NW	ROCK	Coal seam, inferred
8	86m NW	ROCK	Coal seam, inferred
12	291m N	FAULT	Fault, inferred
14	304m NW	ROCK	Coal seam, inferred
16	424m NE	ROCK	Coal seam, inferred

*This data is sourced from the British Geological Survey.*



## 16 Boreholes



### 16.1 BGS Boreholes

Records within 250m

7

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 117](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	143m W	424980 423140	COMMONSIDE BATLEY GIA TP 1	0.0	N	<a href="#">77733</a> ↗
A	245m NW	424890 423308	TRU West SIGI S9P2WS0020	1.2	N	<a href="#">21568845</a> ↗

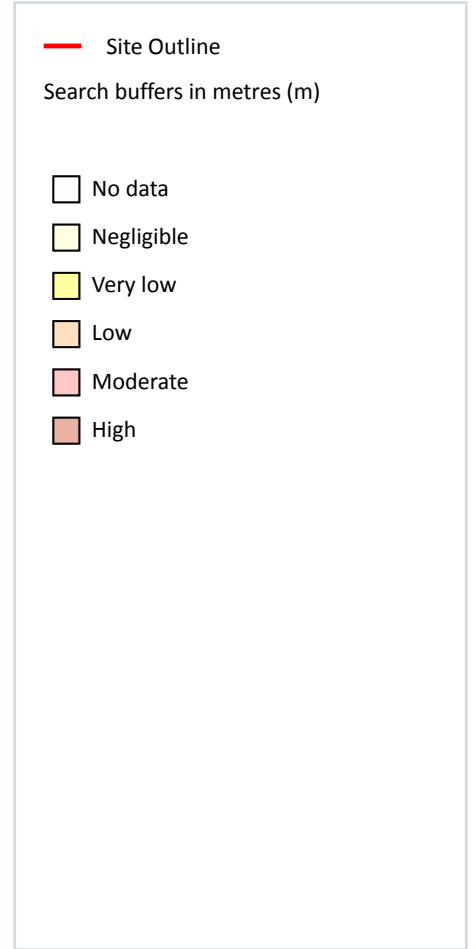
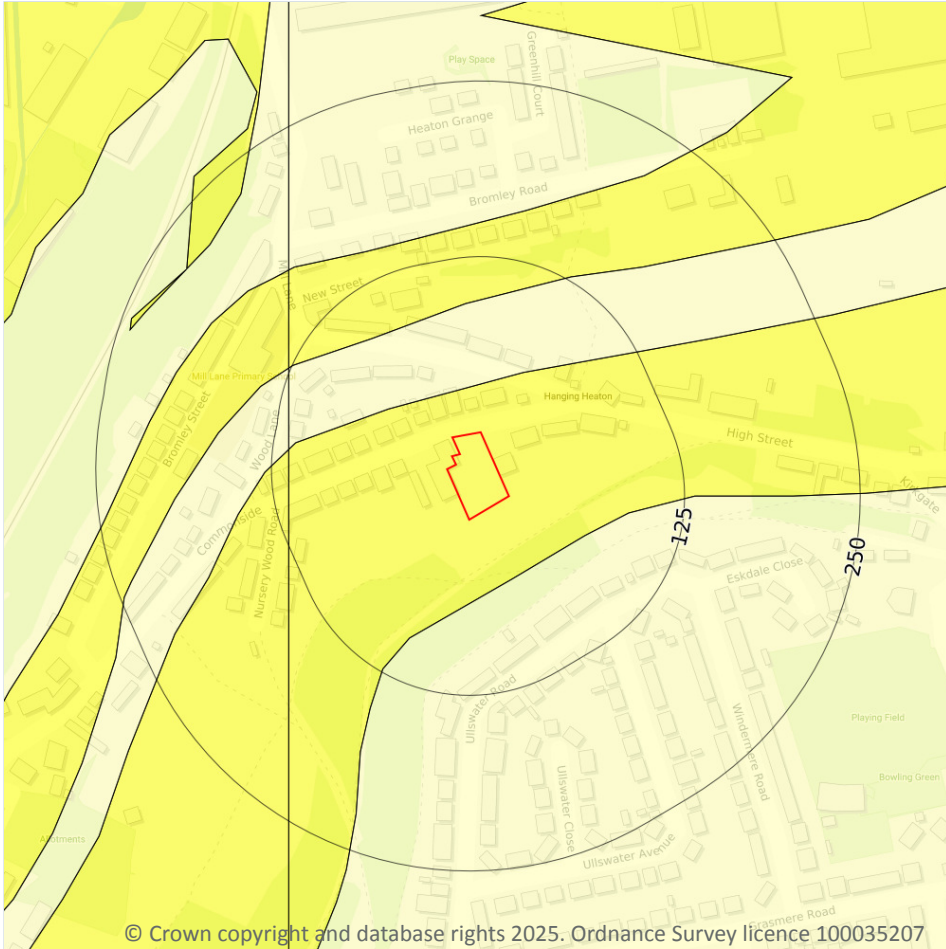


ID	Location	Grid reference	Name	Length	Confidential	Web link
A	245m NW	424900 423330	TRU - West of Leeds - Batch 1 WS5416	0.6	N	<a href="#">21569121</a> ↗
A	248m NW	424890 423315	TRU - West of Leeds - Batch 1 S9P1WS0060	0.8	N	<a href="#">21568961</a> ↗
A	248m NW	424893 423322	TRU - West of Leeds - Batch 1 S9P1WS0060B	0.8	N	<a href="#">21568963</a> ↗
A	249m NW	424887 423311	TRU - West of Leeds - Batch 1 S9P1WS0060A	0.8	N	<a href="#">21568962</a> ↗
A	249m NW	424887 423312	TRU West SIGI S9P2WS0018	1.4	N	<a href="#">21568843</a> ↗

*This data is sourced from the British Geological Survey.*



## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

Records within 50m

2

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).

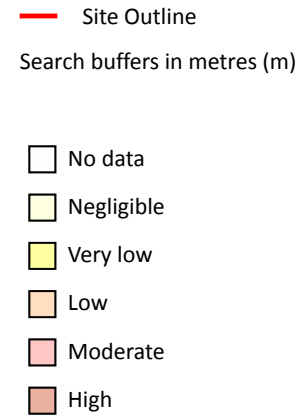
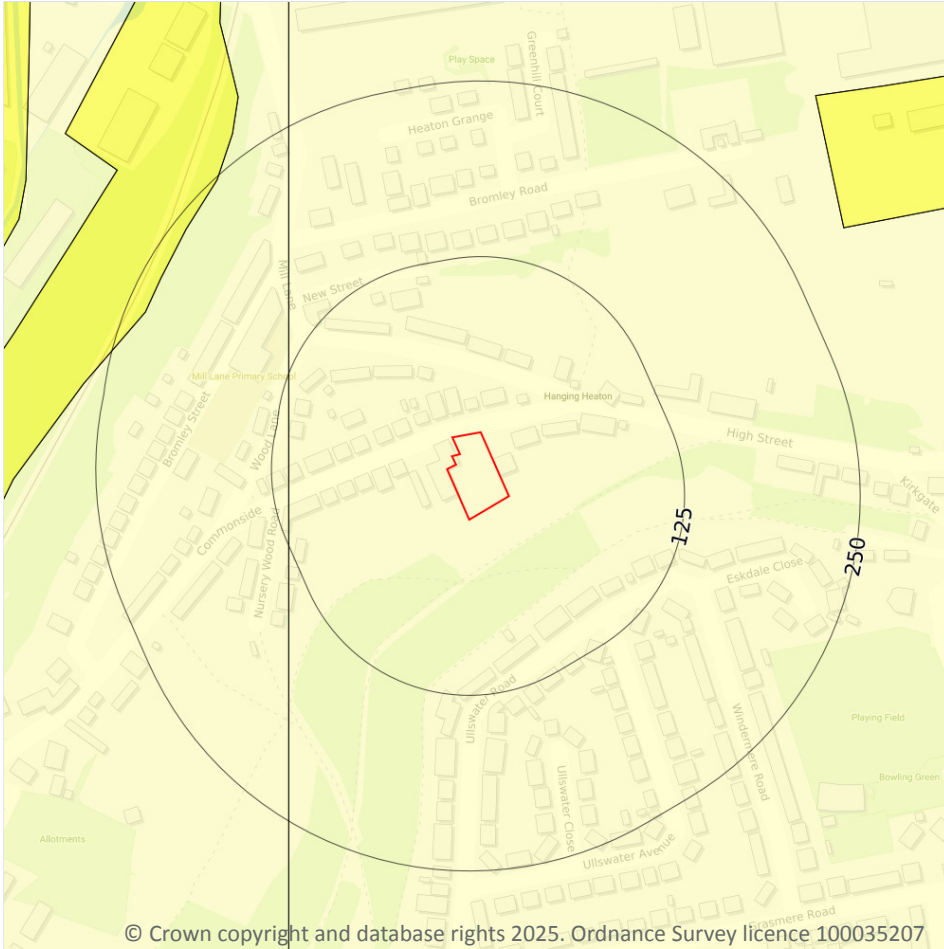
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 119](#) >

Location	Hazard rating	Details
<b>On site</b>	<b>Very low</b>	<b>Ground conditions predominantly low plasticity.</b>
31m NW	Negligible	Ground conditions predominantly non-plastic.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Running sands



### 17.2 Running sands

#### Records within 50m

1

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.

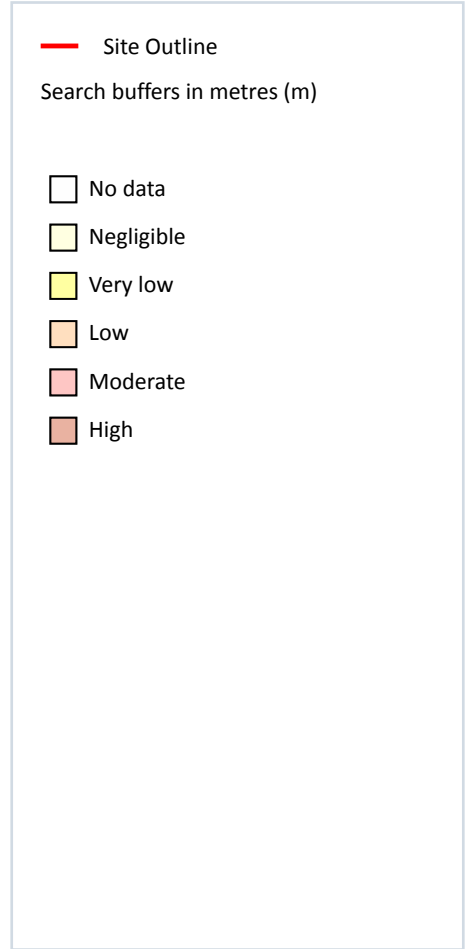
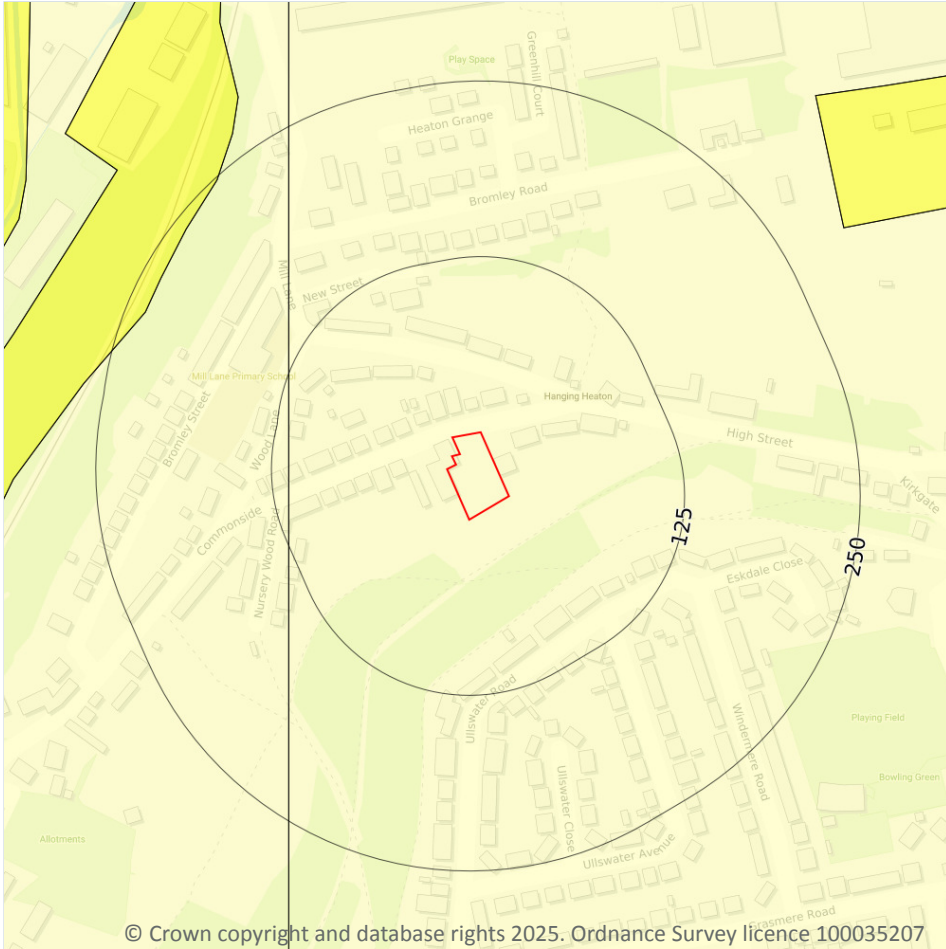
Features are displayed on the Natural ground subsidence - Running sands map on [page 120](#) >

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.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

Records within 50m

1

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.

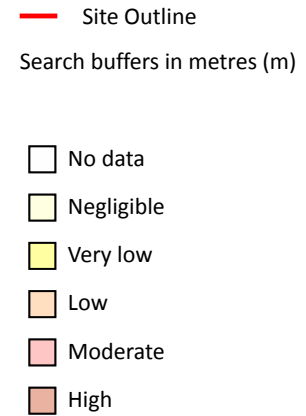
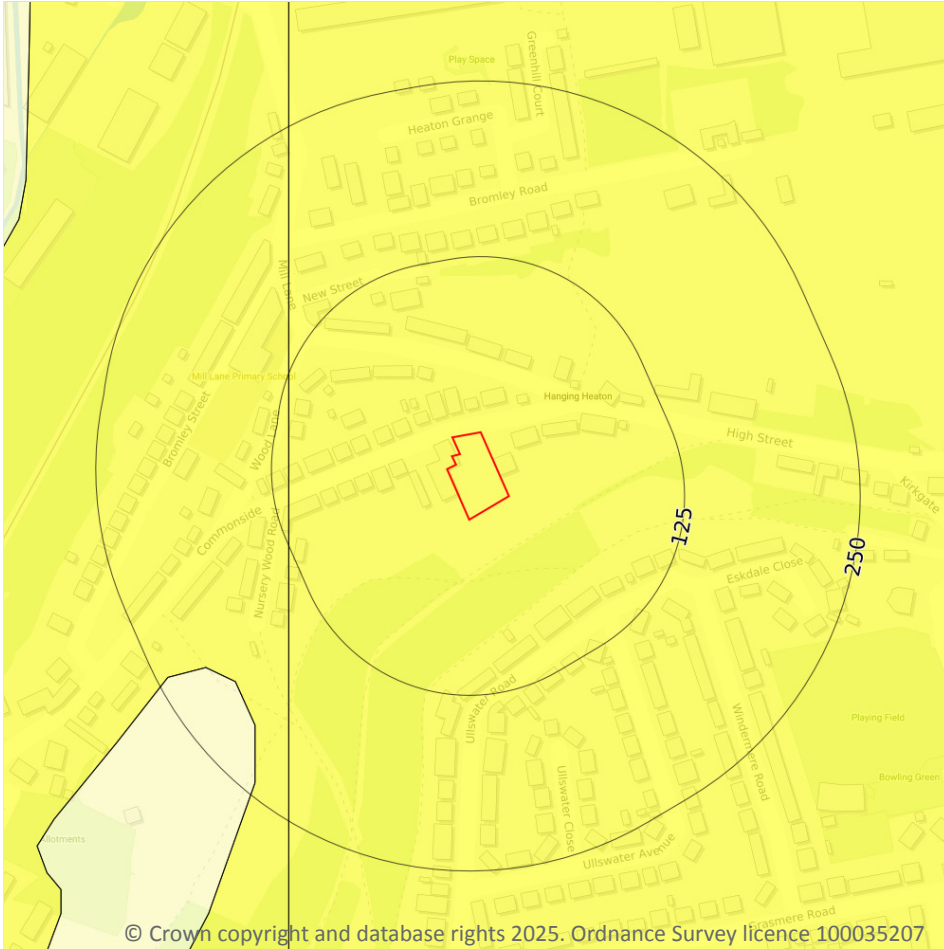
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 121](#) >

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

This data is sourced from the British Geological Survey.



## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

#### Records within 50m

1

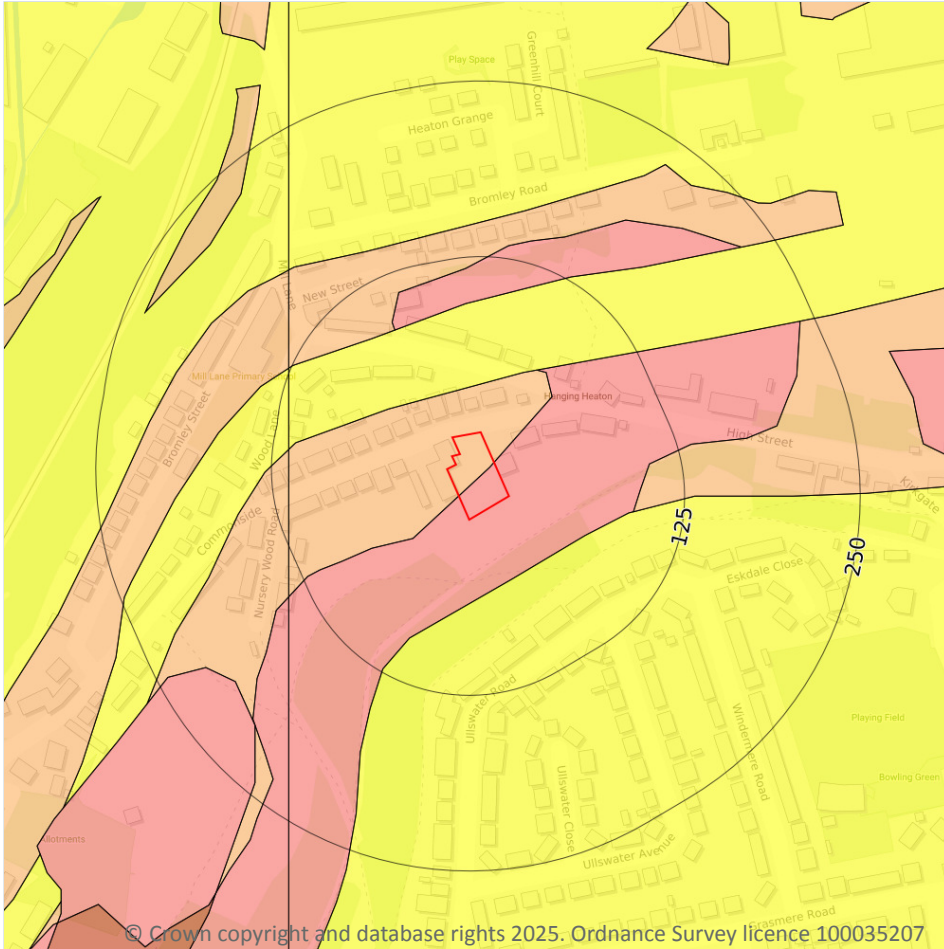
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 122 >](#)

Location	Hazard rating	Details
On site	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

3

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 123 >](#)

Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

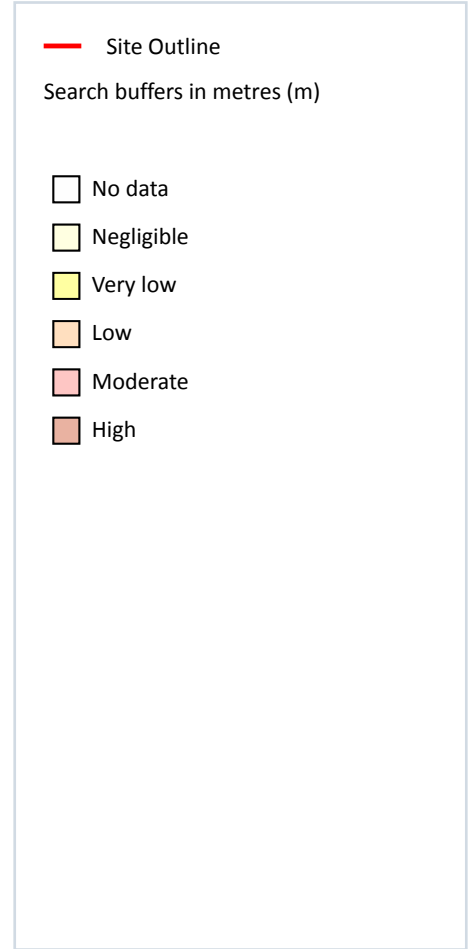
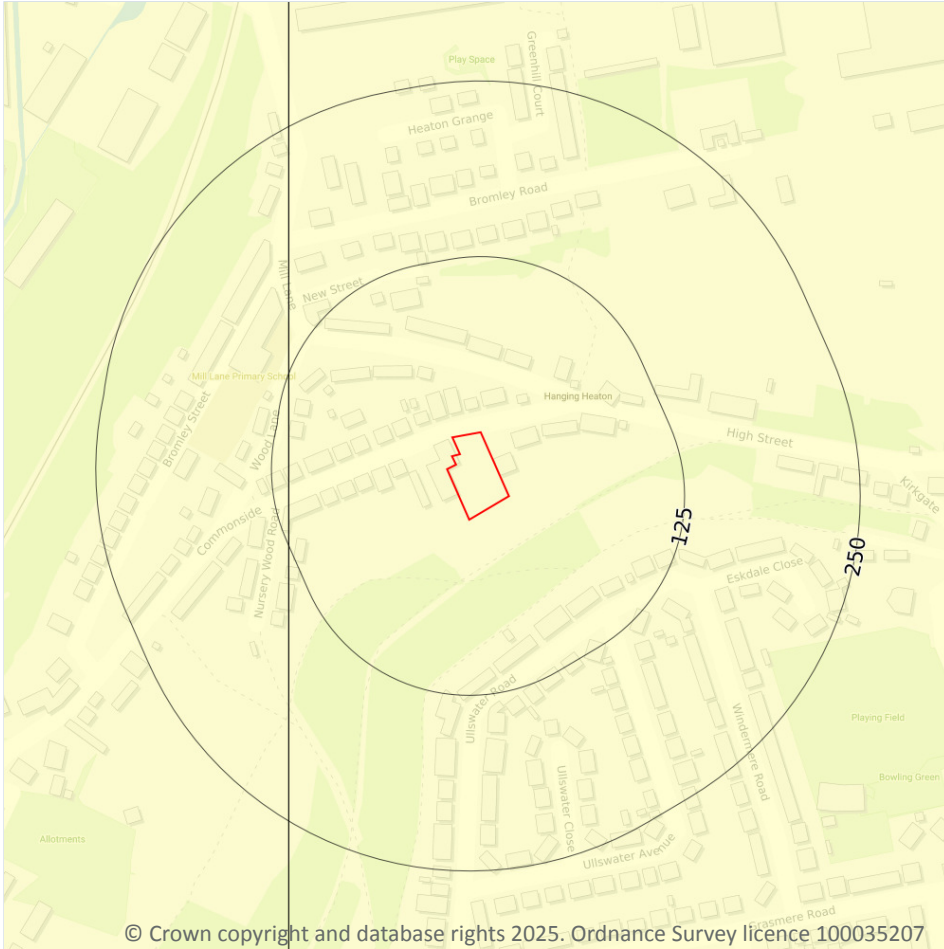


Location	Hazard rating	Details
On site	Moderate	<b>Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.</b>
31m NW	Very low	Slope instability problems are not likely to occur but consideration to potential problems 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



### 17.6 Ground dissolution of soluble rocks

Records within 50m

1

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.

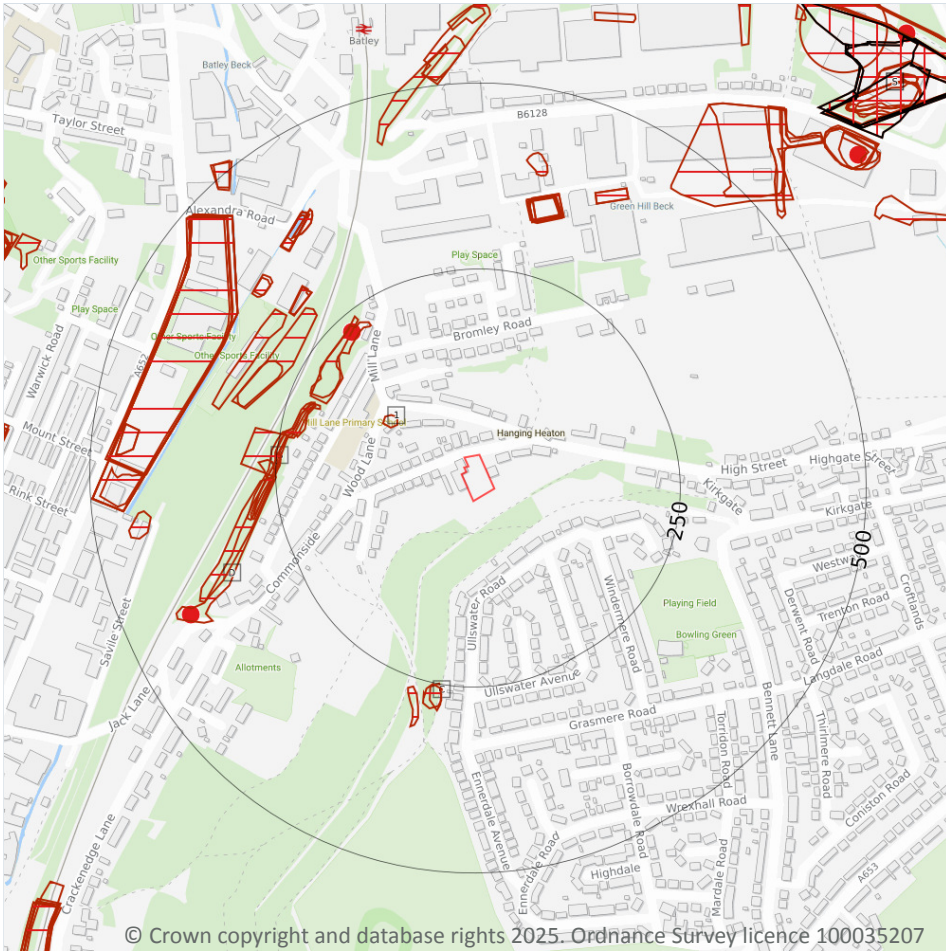
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 125 >](#)

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.

*This data is sourced from the British Geological Survey.*



## 18 Mining and ground workings



### 18.1 BritPits

Records within 500m

2

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 127](#) >

ID	Location	Details	Description
A	227m NW	Name: Union Mill Address: Hanging Heaton, LEEDS, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
3	409m SW	Name: Ings Mill Address: Mount Pleasant, LEEDS, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

## 18.2 Surface ground workings

Records within 250m

9

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 127 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	100m NW	Unspecified Ground Workings	1957	1:10560
A	195m NW	Unspecified Pit	1905	1:10560
A	197m NW	Unspecified Ground Workings	1892	1:10560
B	205m NW	Unspecified Quarry	1948	1:10560
B	212m NW	Unspecified Quarry	1948	1:10560
B	214m NW	Unspecified Quarry	1955	1:10560
B	239m W	Cuttings	1905	1:10560
C	250m S	Unspecified Heap	1957	1:10560
D	250m W	Refuse Heap	1892	1:10560

This 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 127 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
S	651m NE	Colliery	1892	1:10560
S	653m NE	Disused Colliery	1948	1:10560
S	657m NE	Colliery	1905	1:10560
S	657m NE	Disused Colliery	1938	1:10560
-	933m N	Colliery	1905	1:10560
-	933m N	Old Colliery	1938	1:10560
-	962m SW	Tunnel	1988	1:10000
-	962m SW	Tunnel	1981	1:10000
-	962m SW	Tunnel	1974	1:10000
-	962m SW	Tunnel	1967	1:10560
-	962m SW	Tunnel	1955	1:10560
-	967m SW	Tunnel	1905	1:10560
-	986m E	Tunnel	1948	1:10560
-	986m E	Tunnel	1905	1:10560
-	986m E	Tunnel	1892	1:10560
-	986m E	Tunnel	1938	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

0

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).

*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.

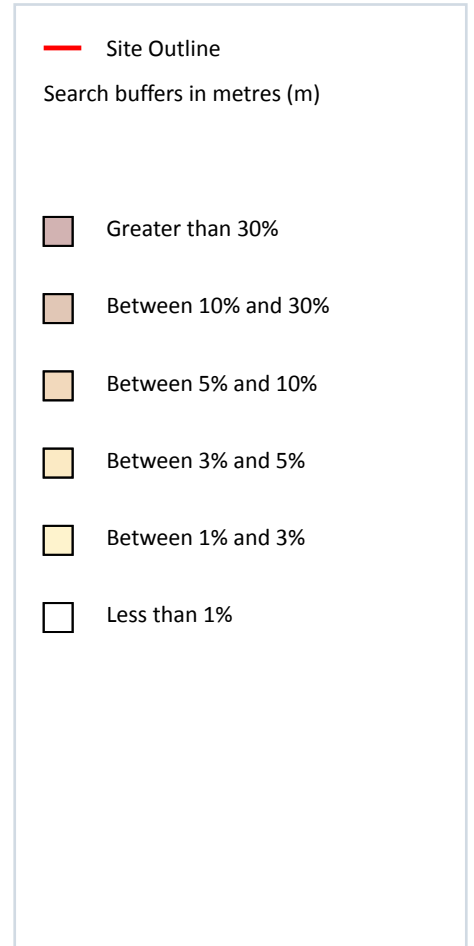
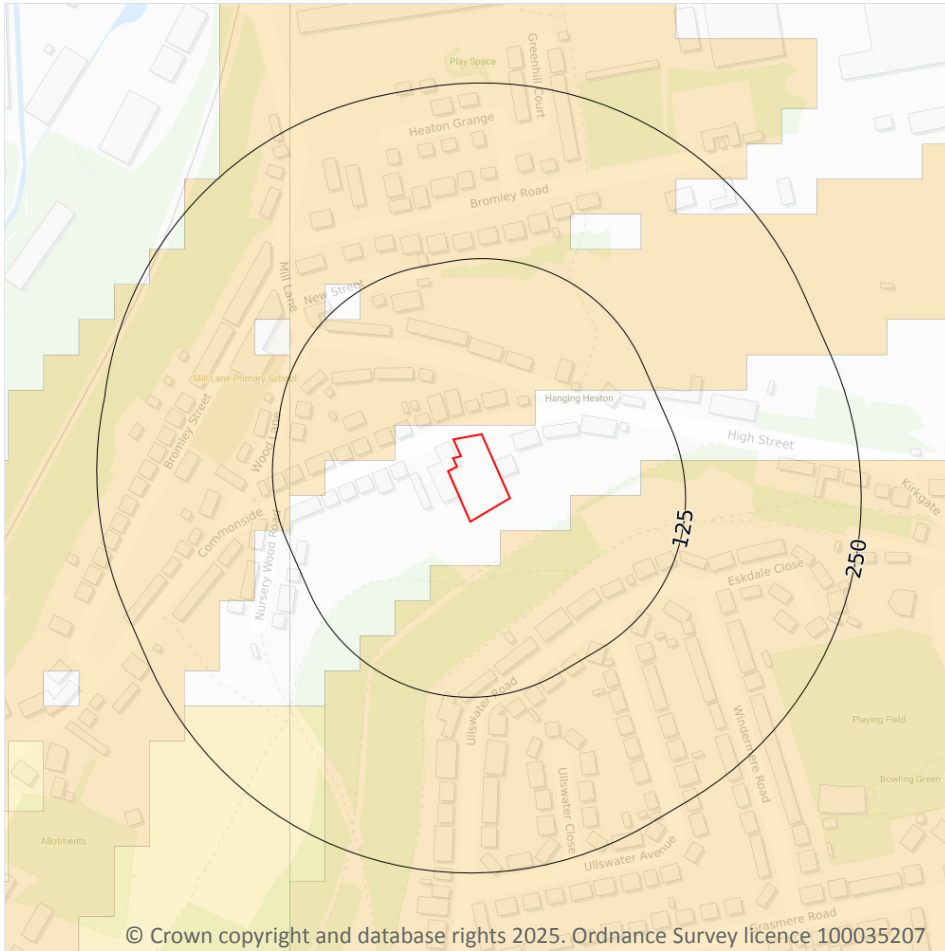
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



*This data is sourced from Groundsure.*



## 20 Radon



### 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 135 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	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

3

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<sup>2</sup>. 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<sup>2</sup>; 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	60 - 90 mg/kg	15 - 30 mg/kg
On site	35 - 45 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
31m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 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<sup>2</sup>).

*This data is sourced from the British Geological Survey.*

### 21.3 BGS Measured Urban Soil Chemistry

Records within 50m

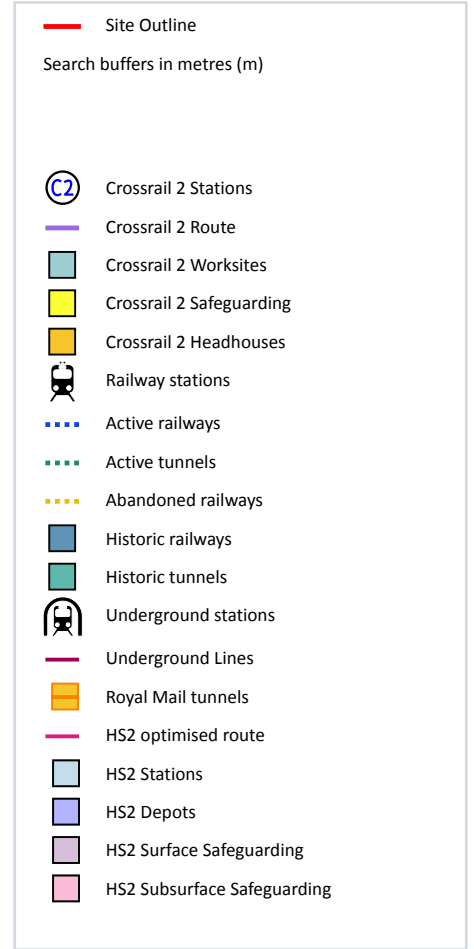
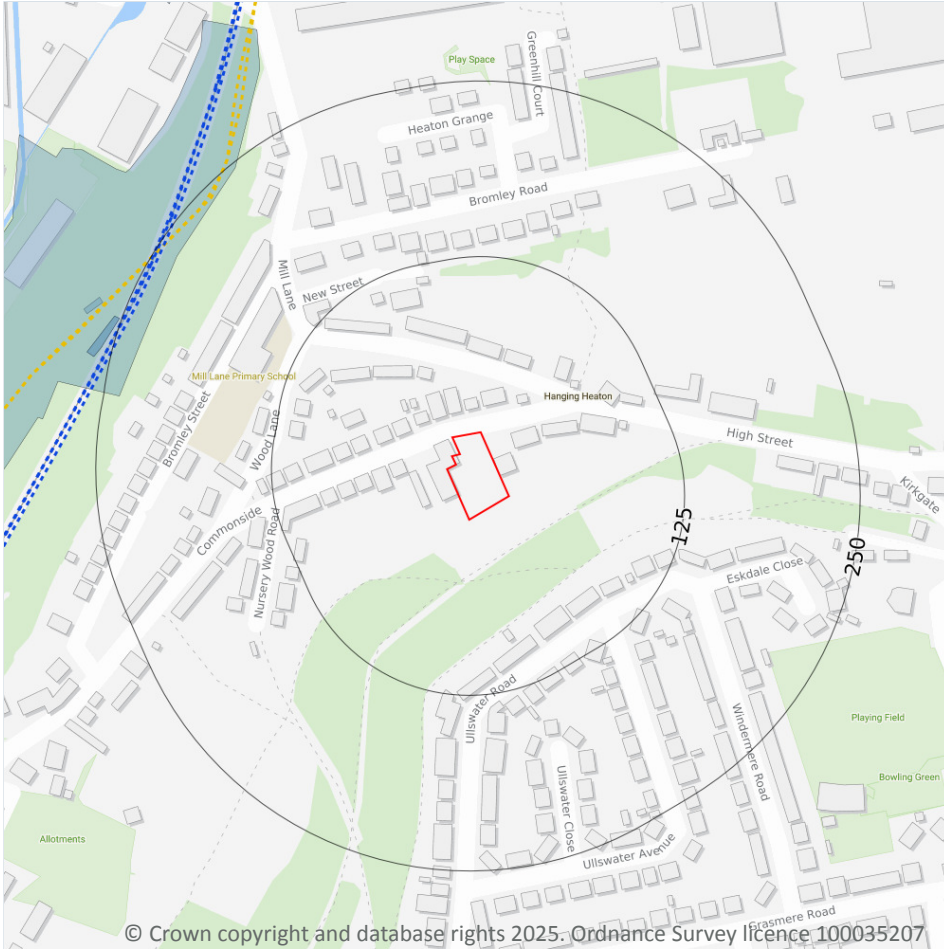
0

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<sup>2</sup>.

*This data is sourced from the British Geological Survey.*



## 22 Railway infrastructure and projects



### 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

1

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 138 >](#)

Location	Land Use	Year of mapping	Mapping scale
231m NW	Railway Sidings	1905	10560

*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

2

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

Features are displayed on the Railway infrastructure and projects map on [page 138 >](#)

Location	Description
242m NW	Historical OSM



Location	Description
242m NW	Razed

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

<b>Records within 250m</b>	<b>5</b>
----------------------------	----------

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 138 >](#)

Location	Name	Type
244m NW	Huddersfield Line	rail
246m NW	Not given	Multi Track
247m NW	Not given	Multi Track
247m NW	Not given	Multi Track
248m NW	Huddersfield Line	rail

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 22.8 Crossrail 2

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

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/](http://www.groundsure.com/terms-and-conditions-april-2023/) ↗.



## **APPENDIX B – HISTORICAL OS MAPS**

**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

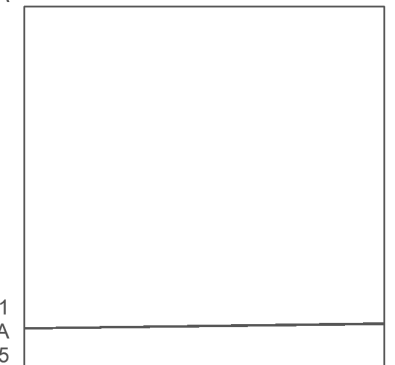
**Map date:** 1854-1855

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1847  
 Revised N/A  
 Edition 1854  
 Copyright N/A  
 Levelled N/A



Surveyed 1851  
 Revised N/A  
 Edition 1855  
 Copyright N/A  
 Levelled N/A

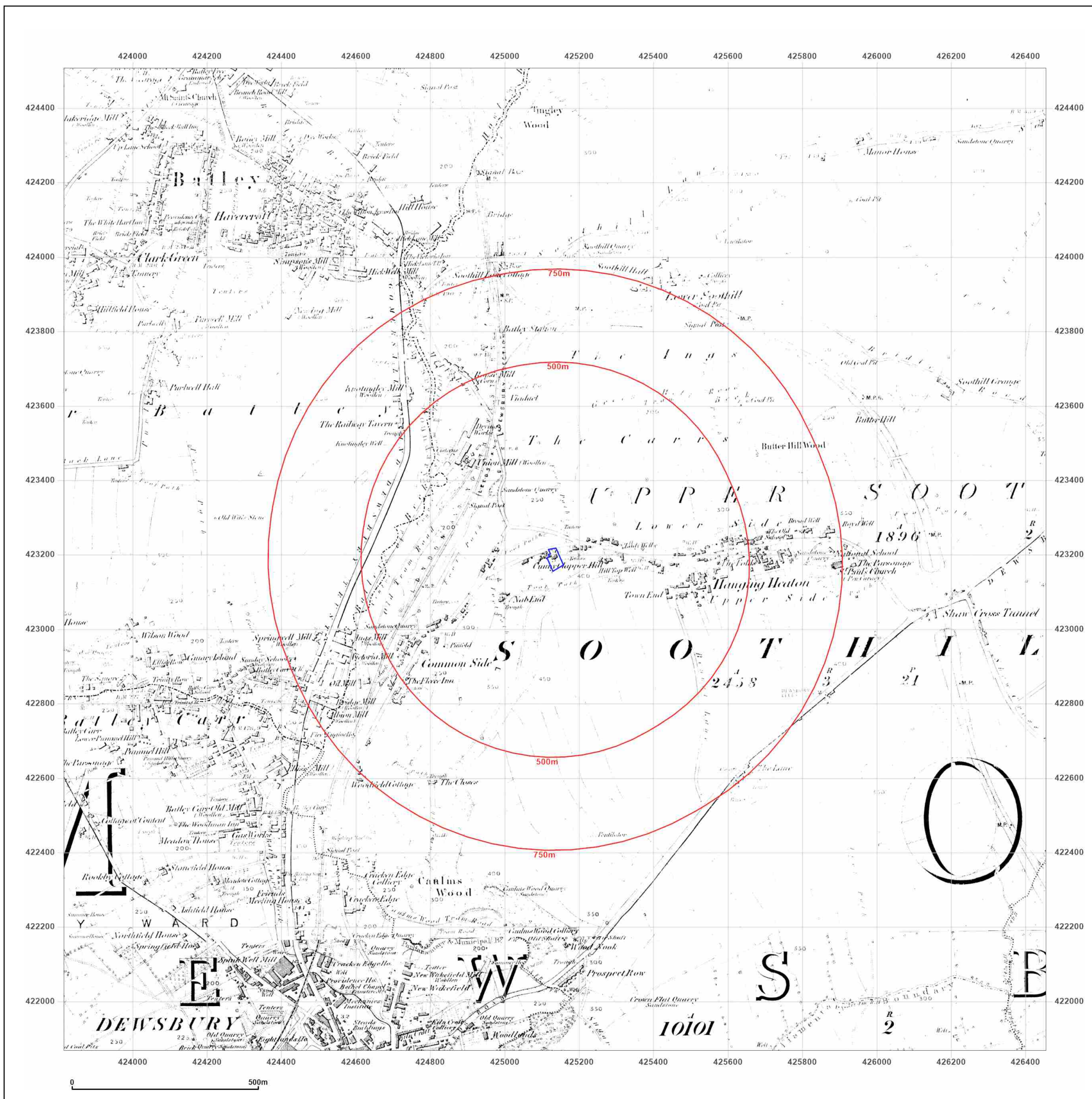


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

**Map date:** 1892

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1892  
 Revised 1892  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1892  
 Revised 1892  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

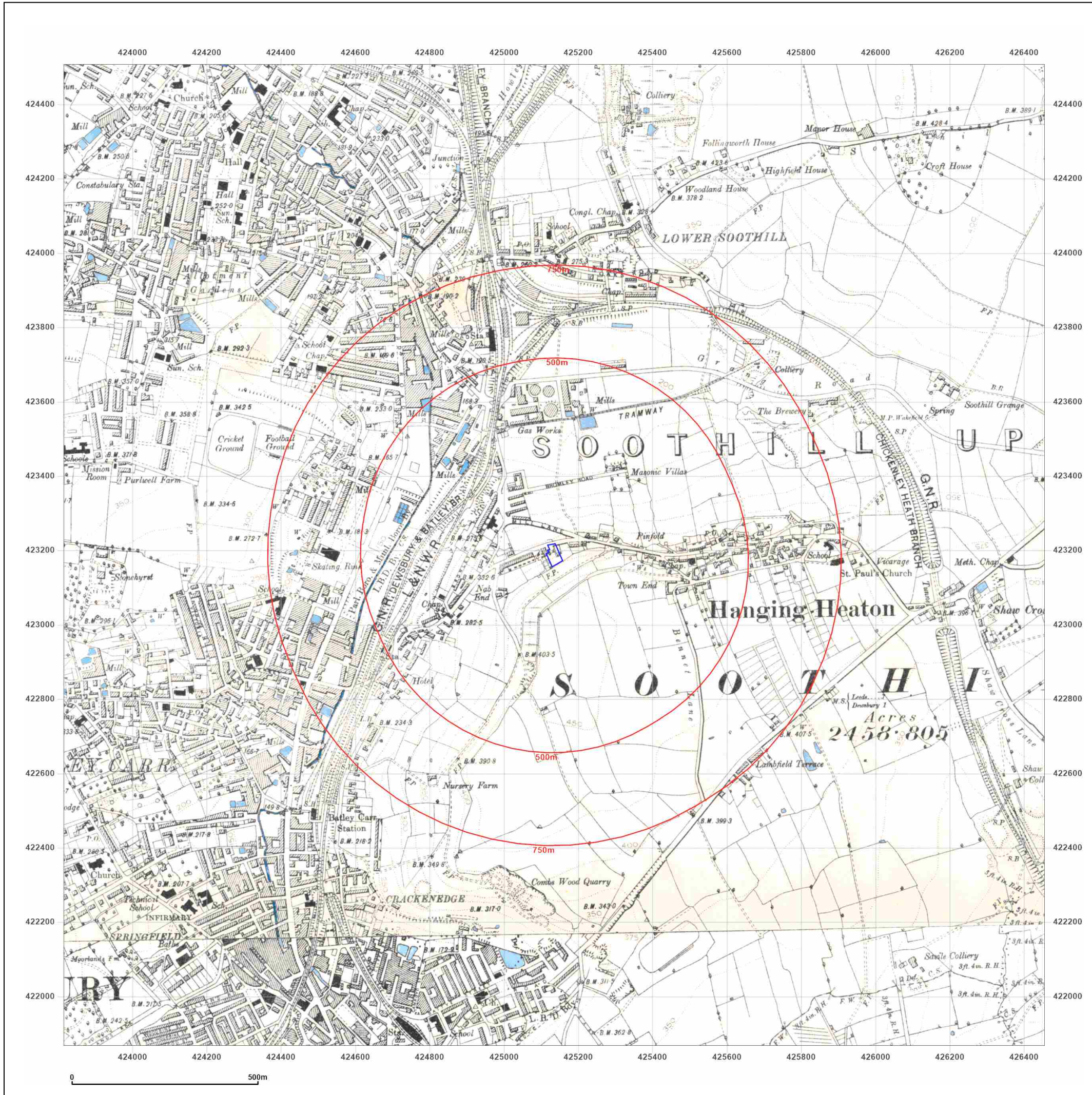


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

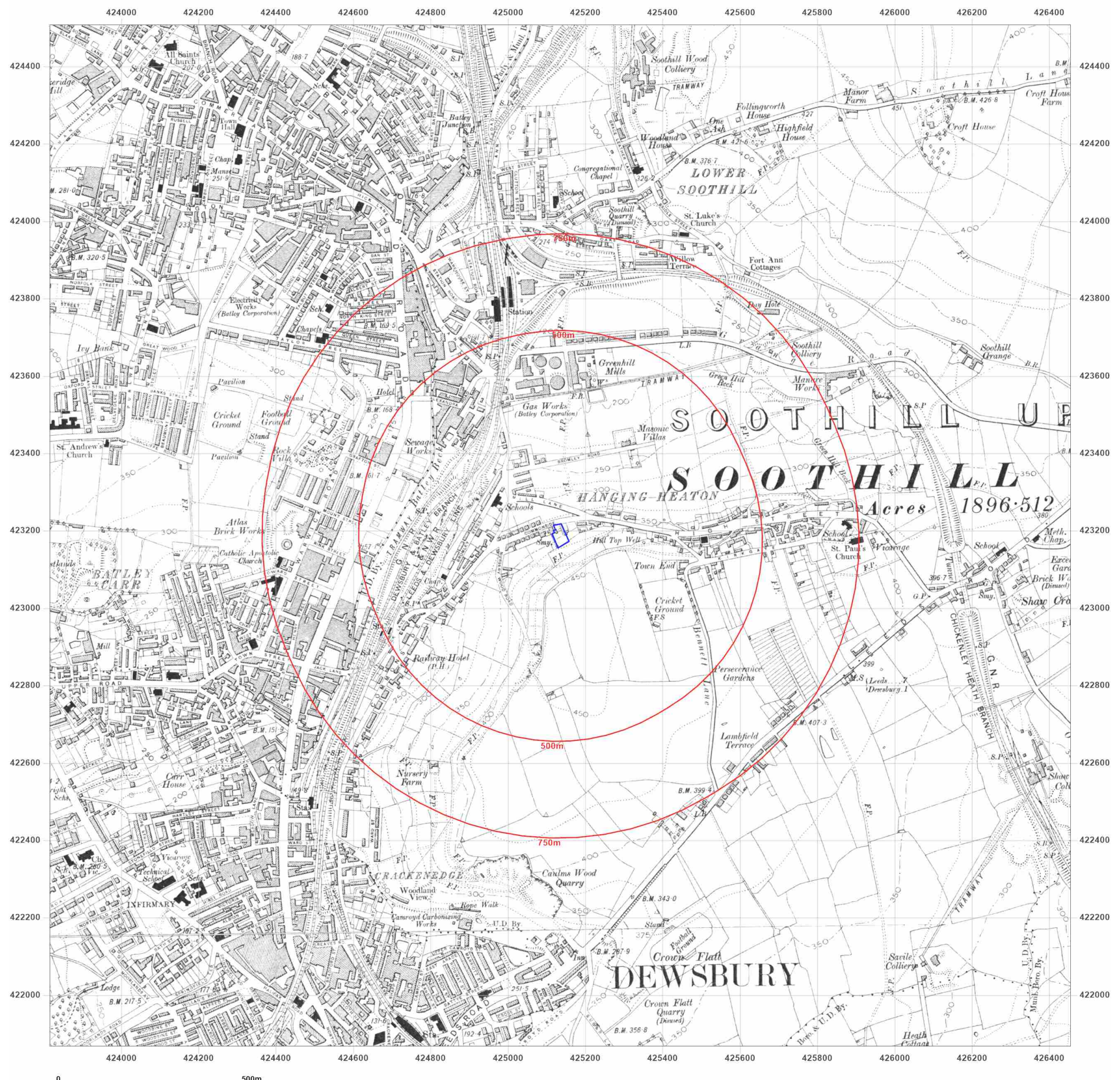
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

**Map date:** 1905

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1889  
 Revised 1905  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

---

Surveyed 1892  
 Revised 1905  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)

**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

**Map date:** 1931

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1851  
 Revised 1931  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1851  
 Revised 1931  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

**Map date:** 1938

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1851  
 Revised 1938  
 Edition N/A  
 Copyright N/A  
 Levelled 1931

Surveyed 1851  
 Revised 1938  
 Edition 1938  
 Copyright N/A  
 Levelled N/A

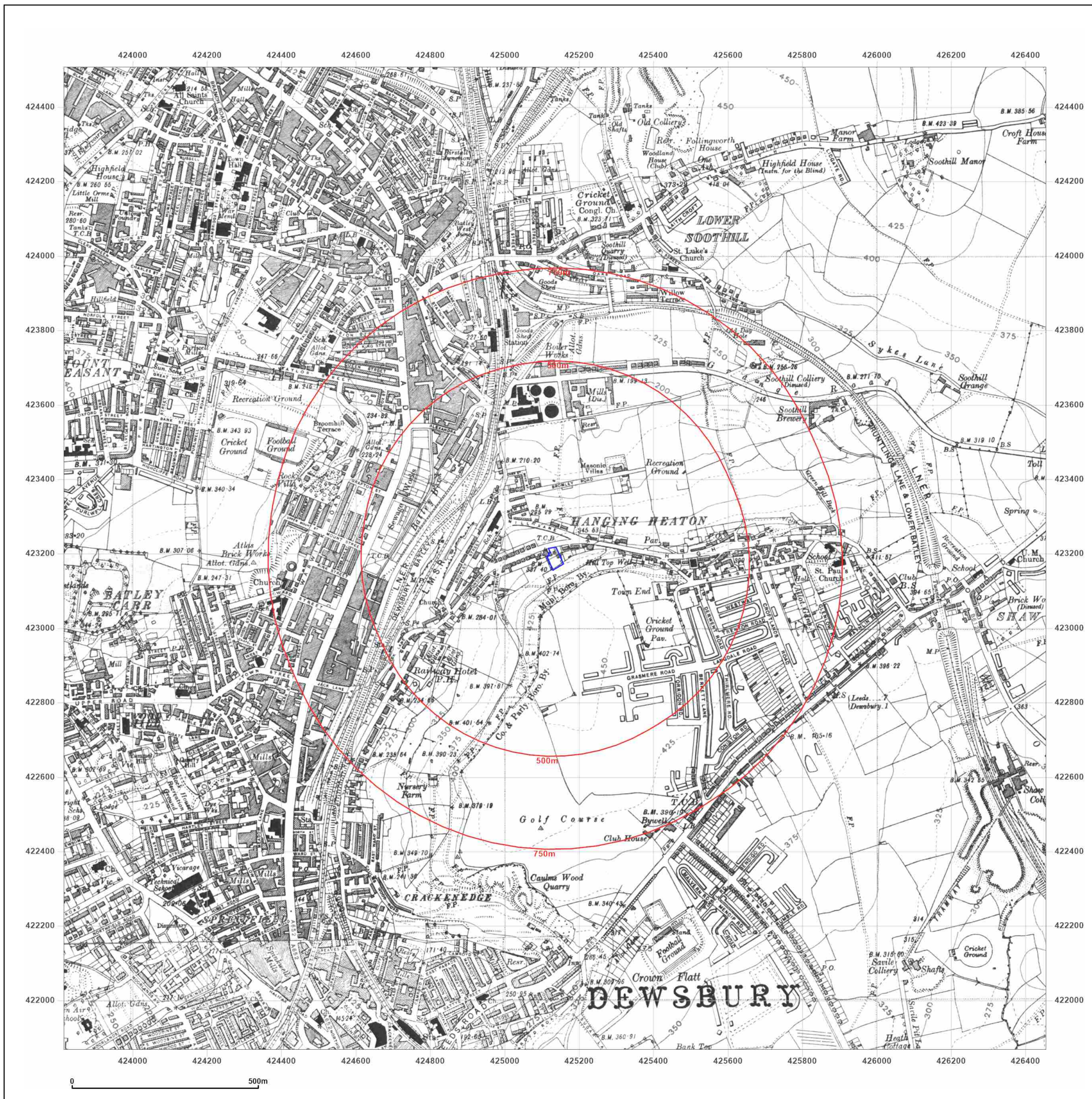


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

**Map date:** 1948

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1851  
 Revised 1948  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1851  
 Revised 1948  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

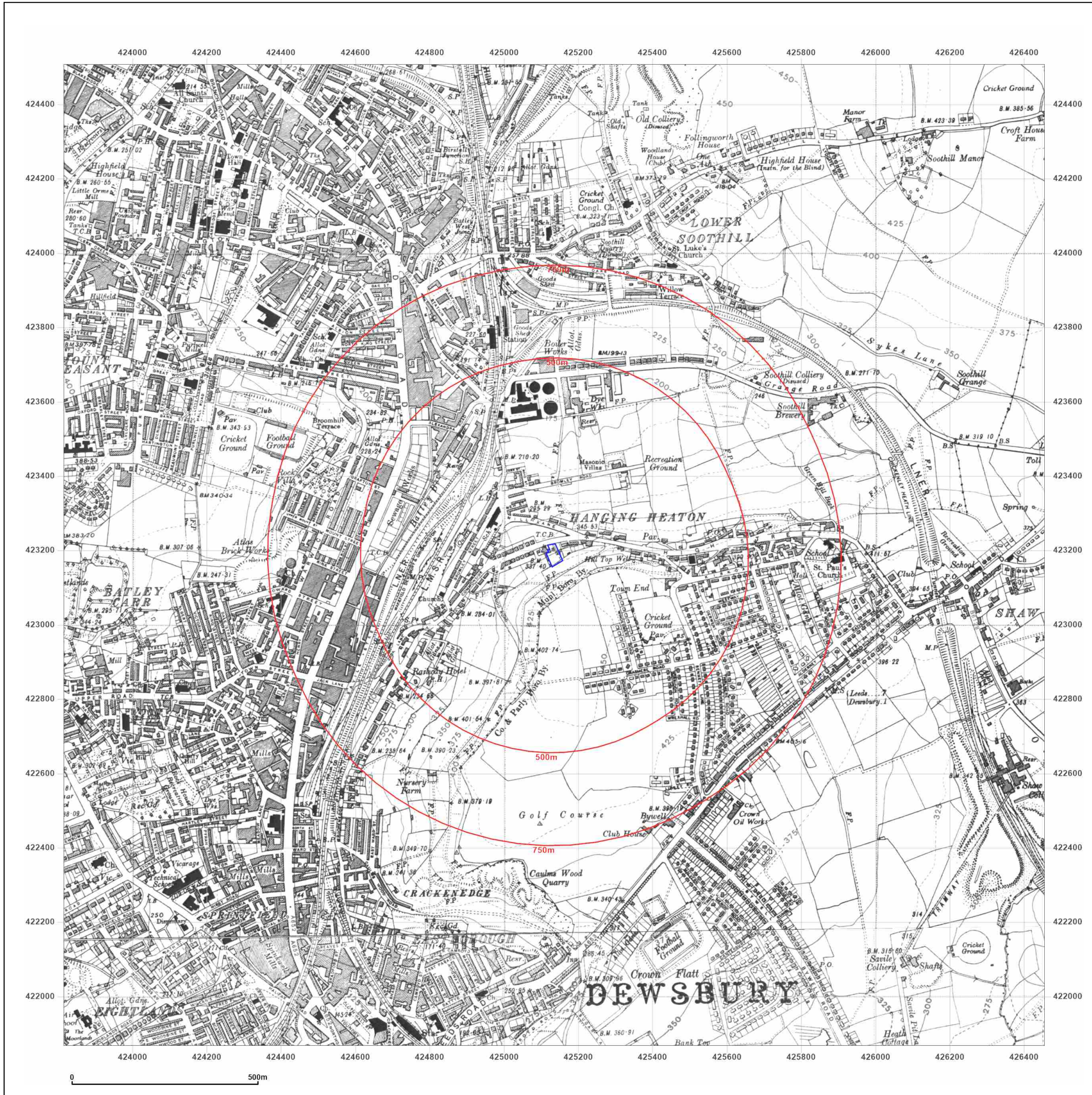


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

**Map date:** 1948

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1851  
 Revised 1948  
 Edition N/A  
 Copyright N/A  
 Levelled 1931

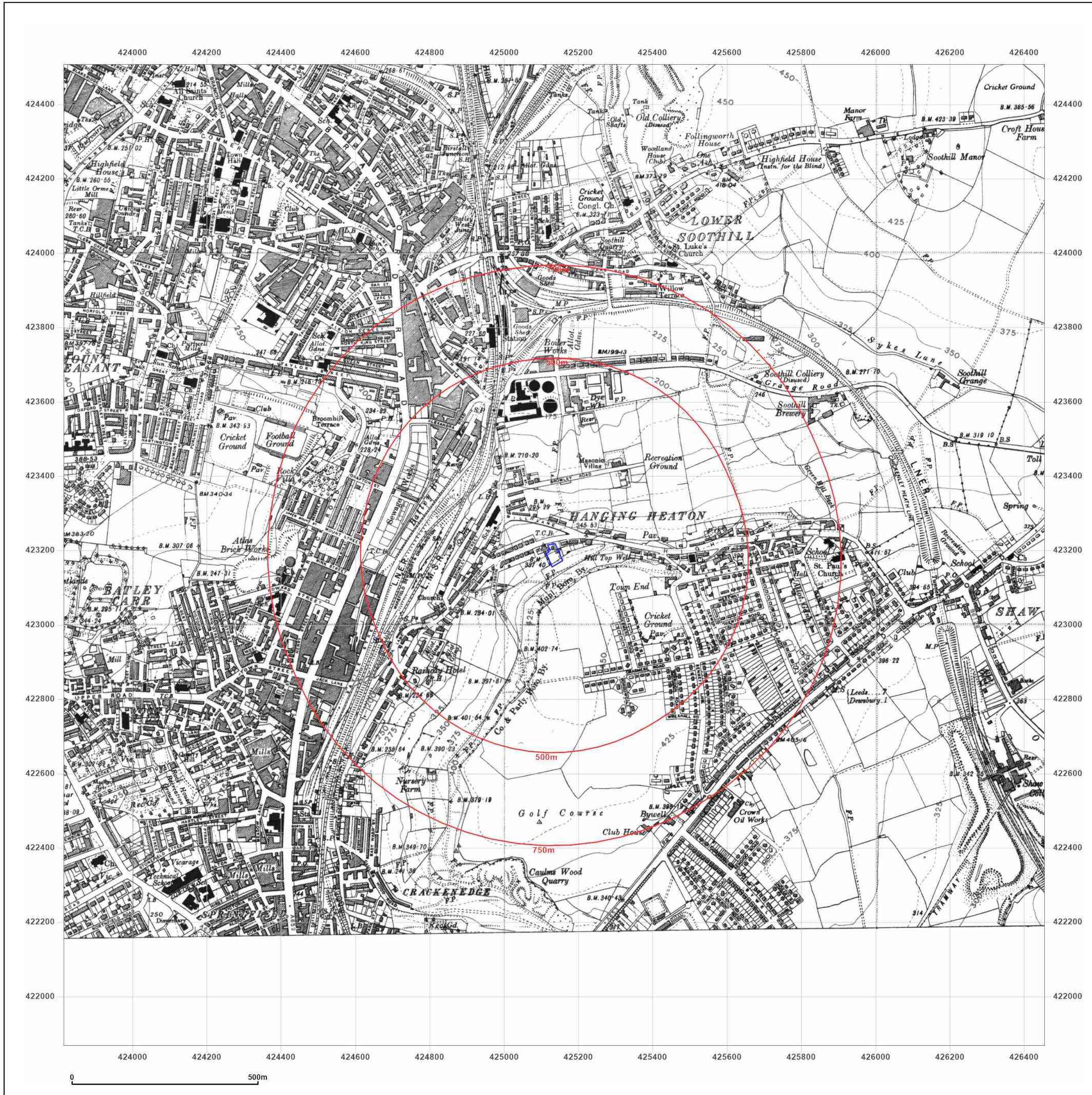


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** Provisional

**Map date:** 1955-1957

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1951  
 Revised 1955  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1957  
 Revised 1957  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

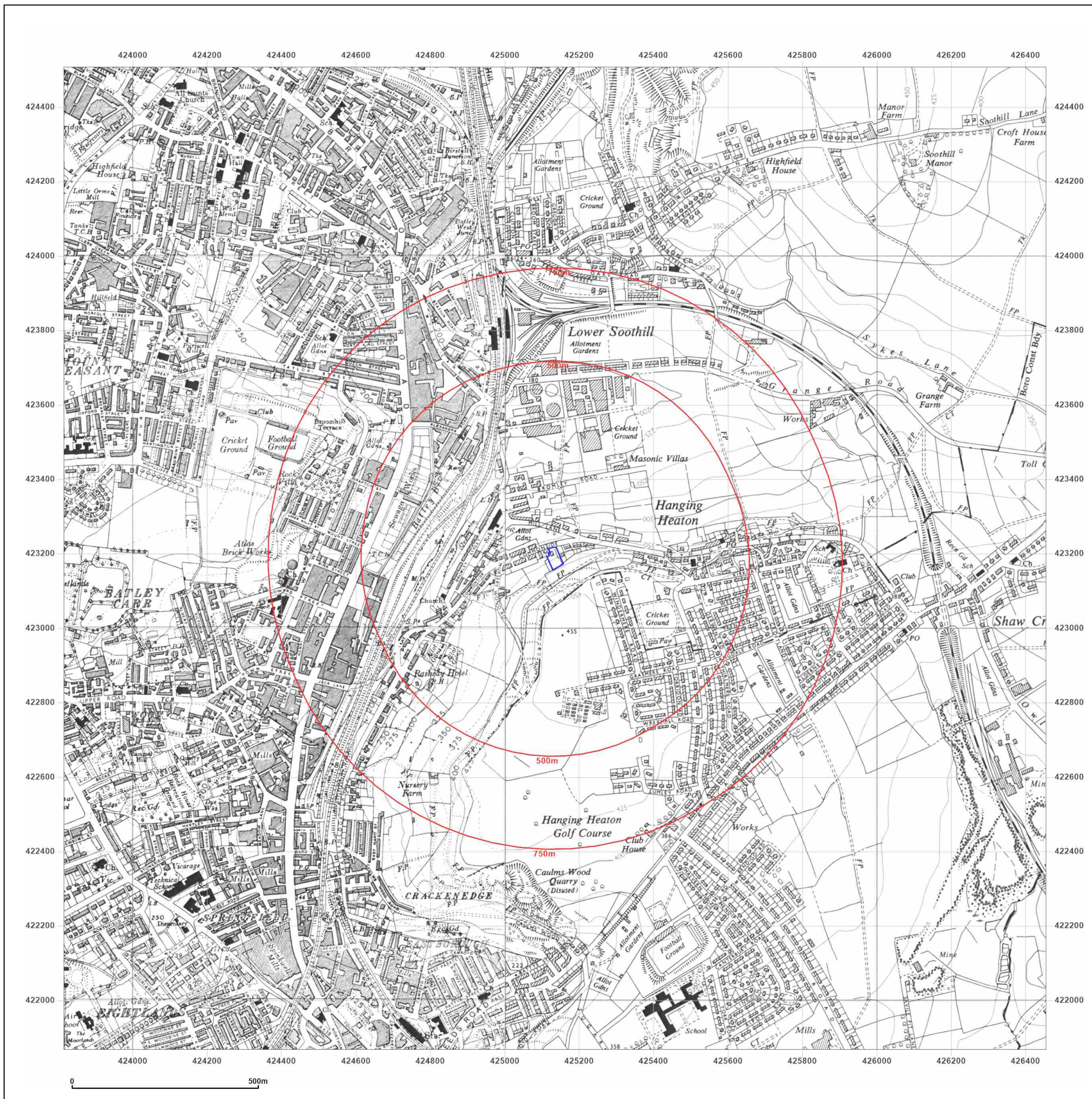


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** Provisional

**Map date:** 1967

**Scale:** 1:10,560

**Printed at:** 1:10,560



Surveyed 1967  
 Revised 1967  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

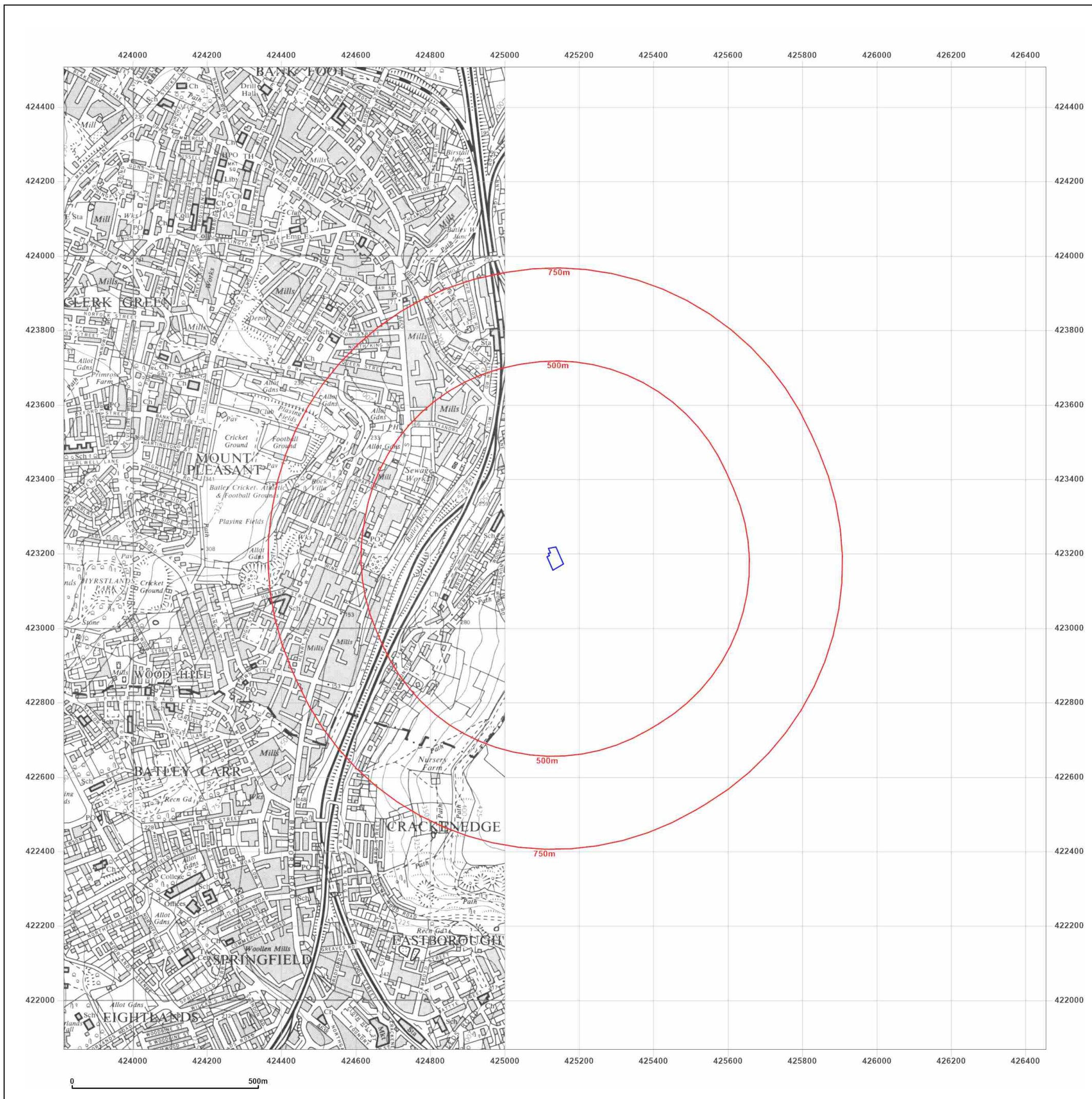


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1971-1974

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1974  
 Revised 1974  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1971  
 Revised 1971  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

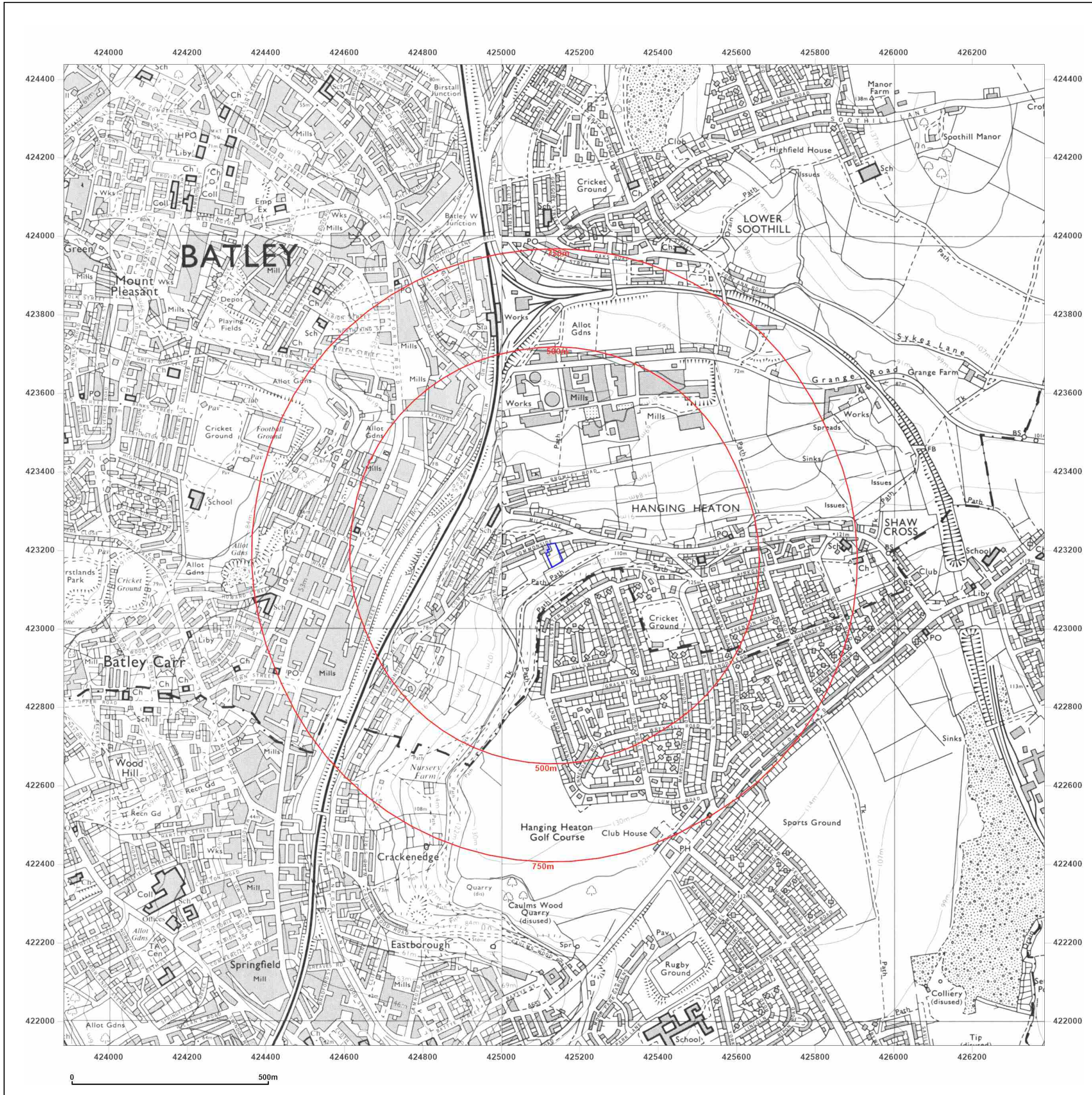


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1980-1981

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1977  
 Revised 1981  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1979  
 Revised 1980  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1988-1992

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1985  
 Revised 1988  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1989  
 Revised 1992  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

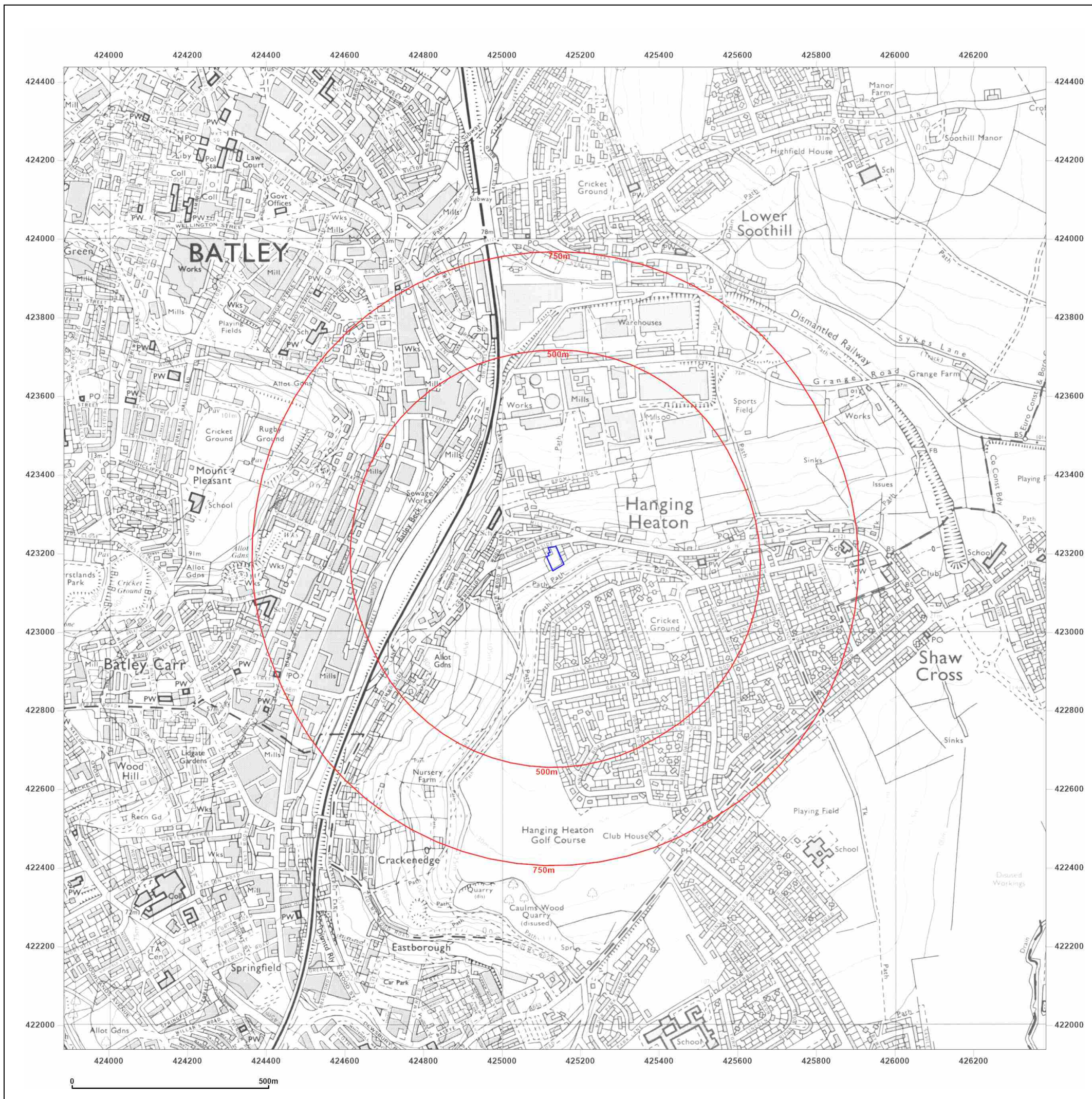


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)

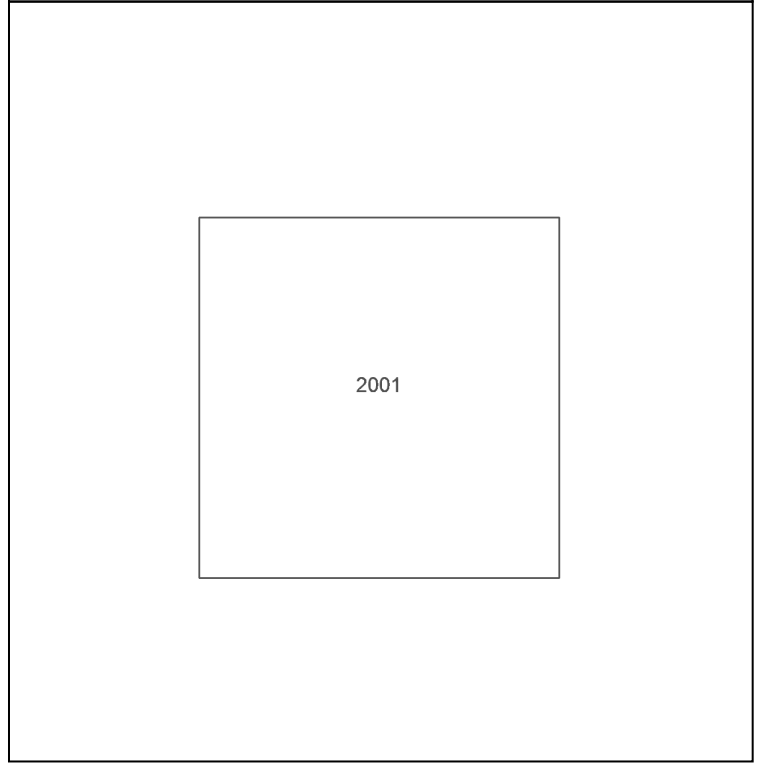
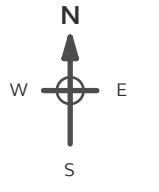


**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

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



**Powered by**



Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

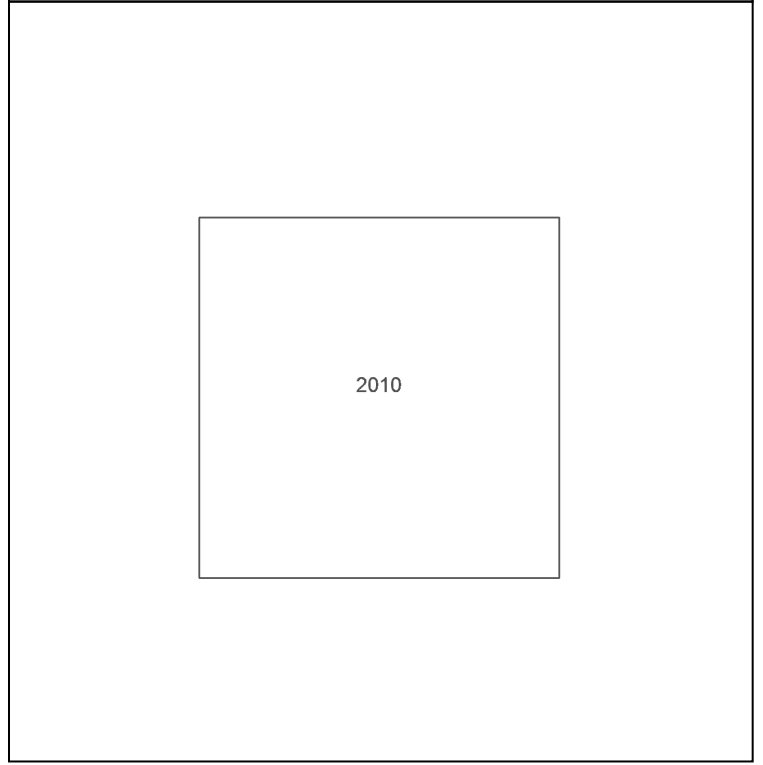
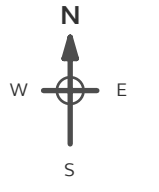
Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**  
 212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

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

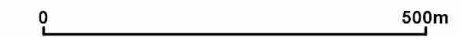
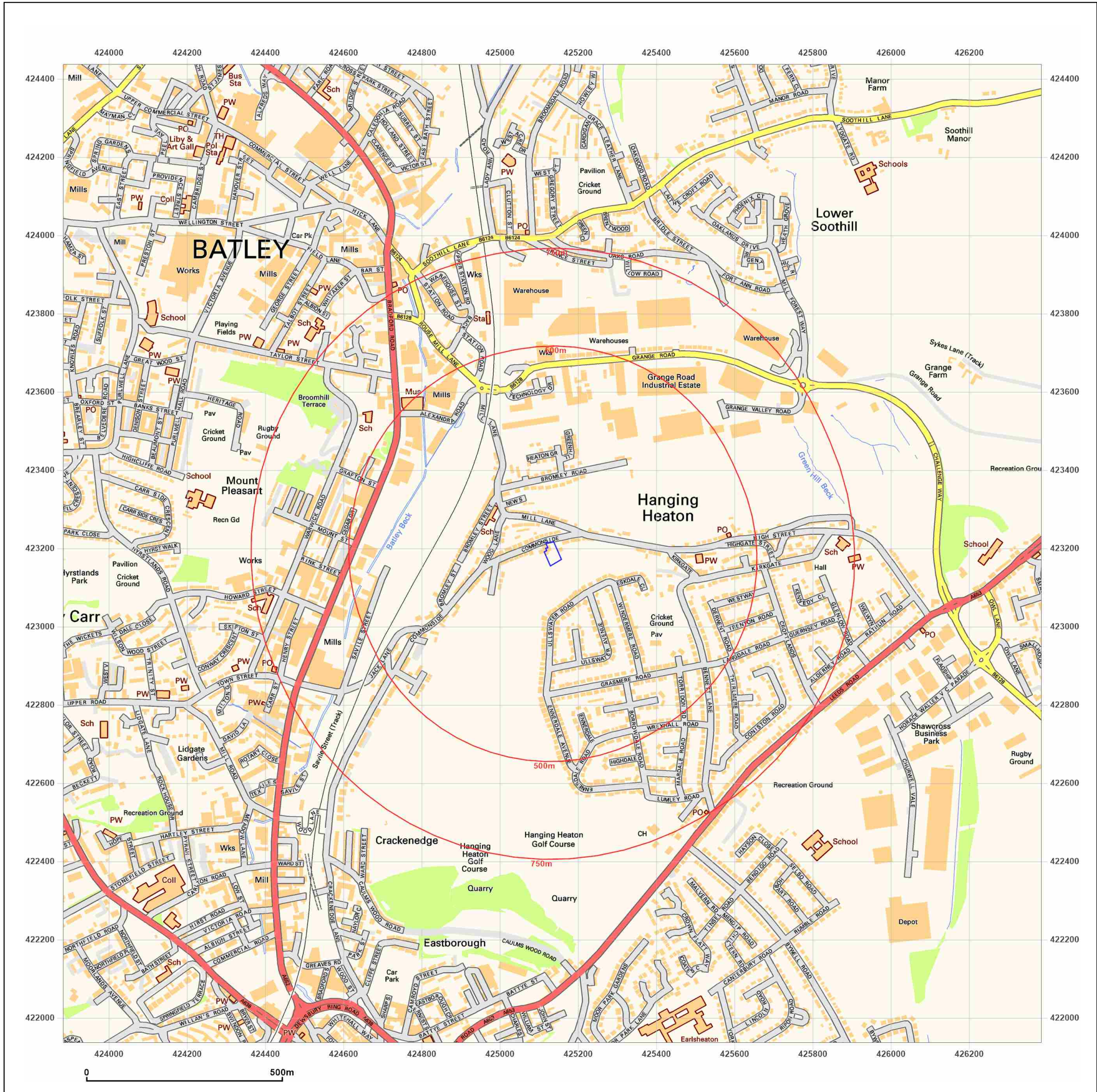


**Powered by**  Produced by Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at: [www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

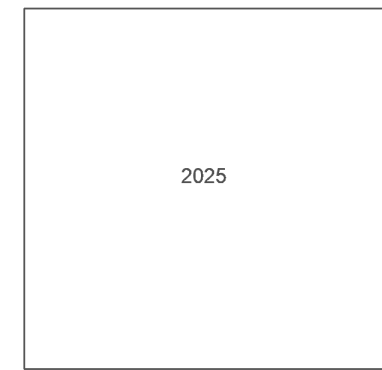
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 2025

**Scale:** 1:10,000

**Printed at:** 1:10,000

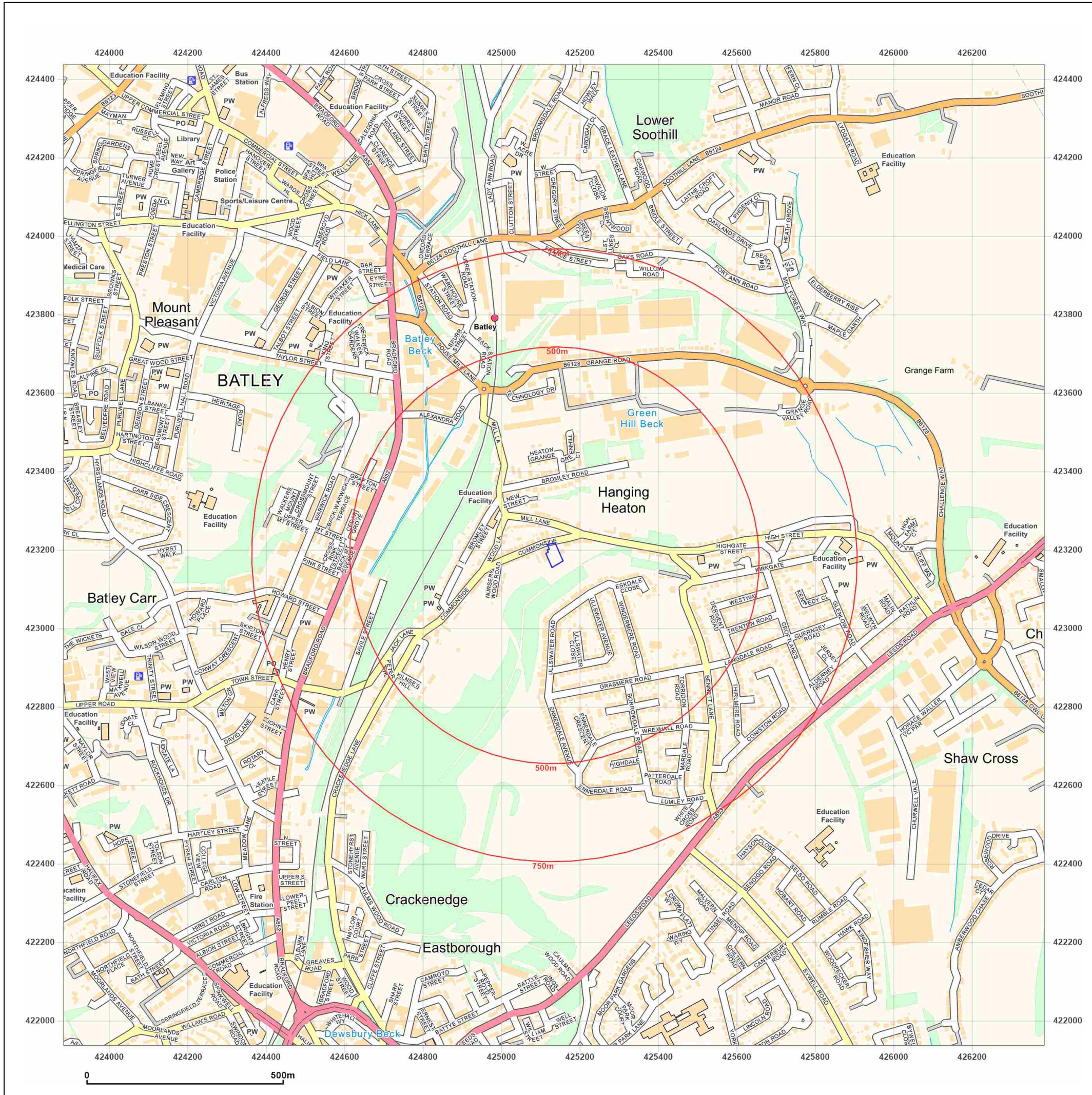


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

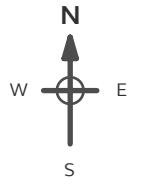
Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**  
 212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series  
**Map date:** 1893-1894  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



Surveyed 1894  
 Revised 1894  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

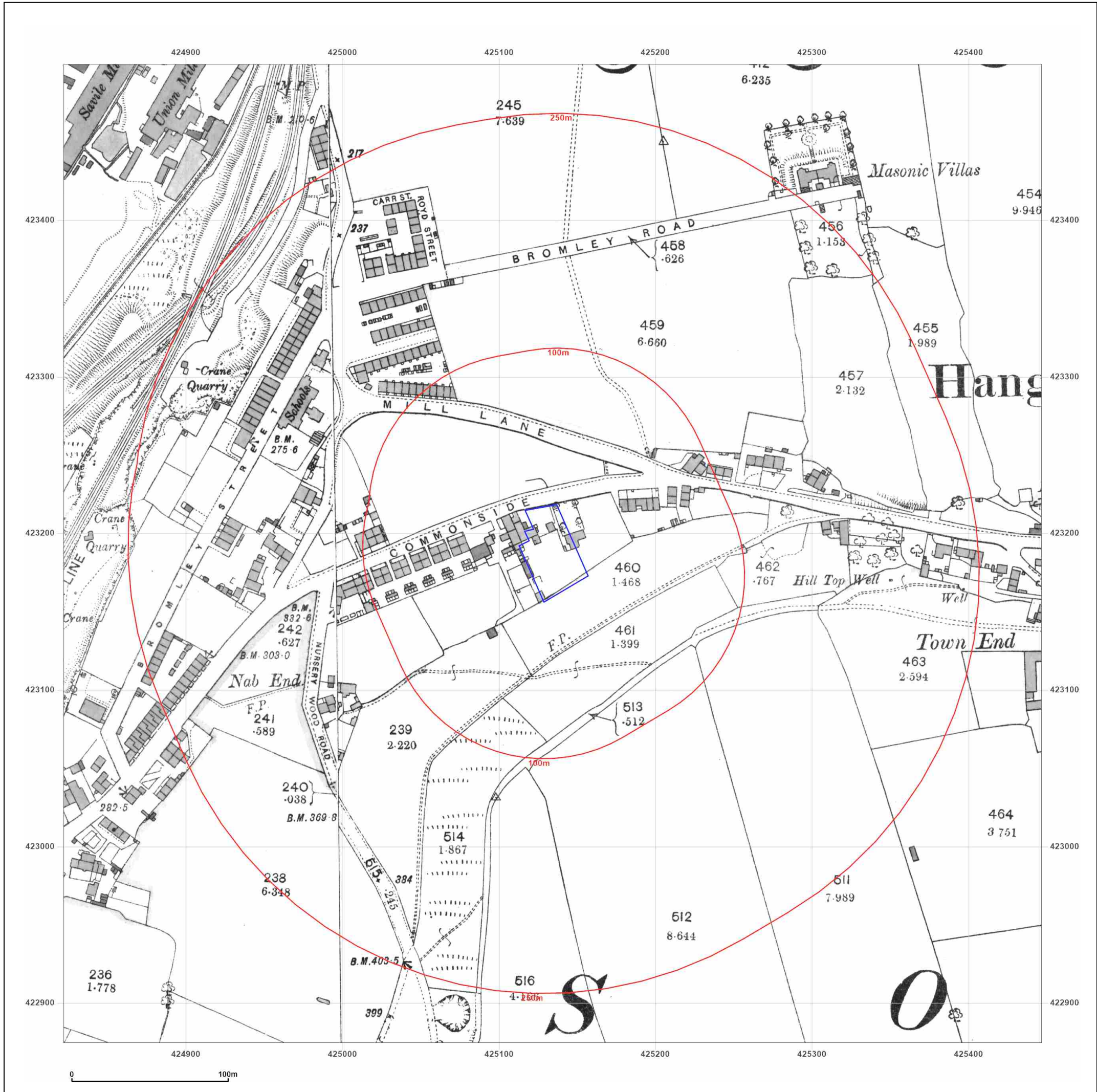
**Powered by**  


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

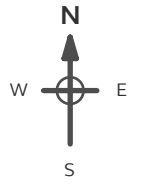
Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**  
 212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series  
**Map date:** 1907  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



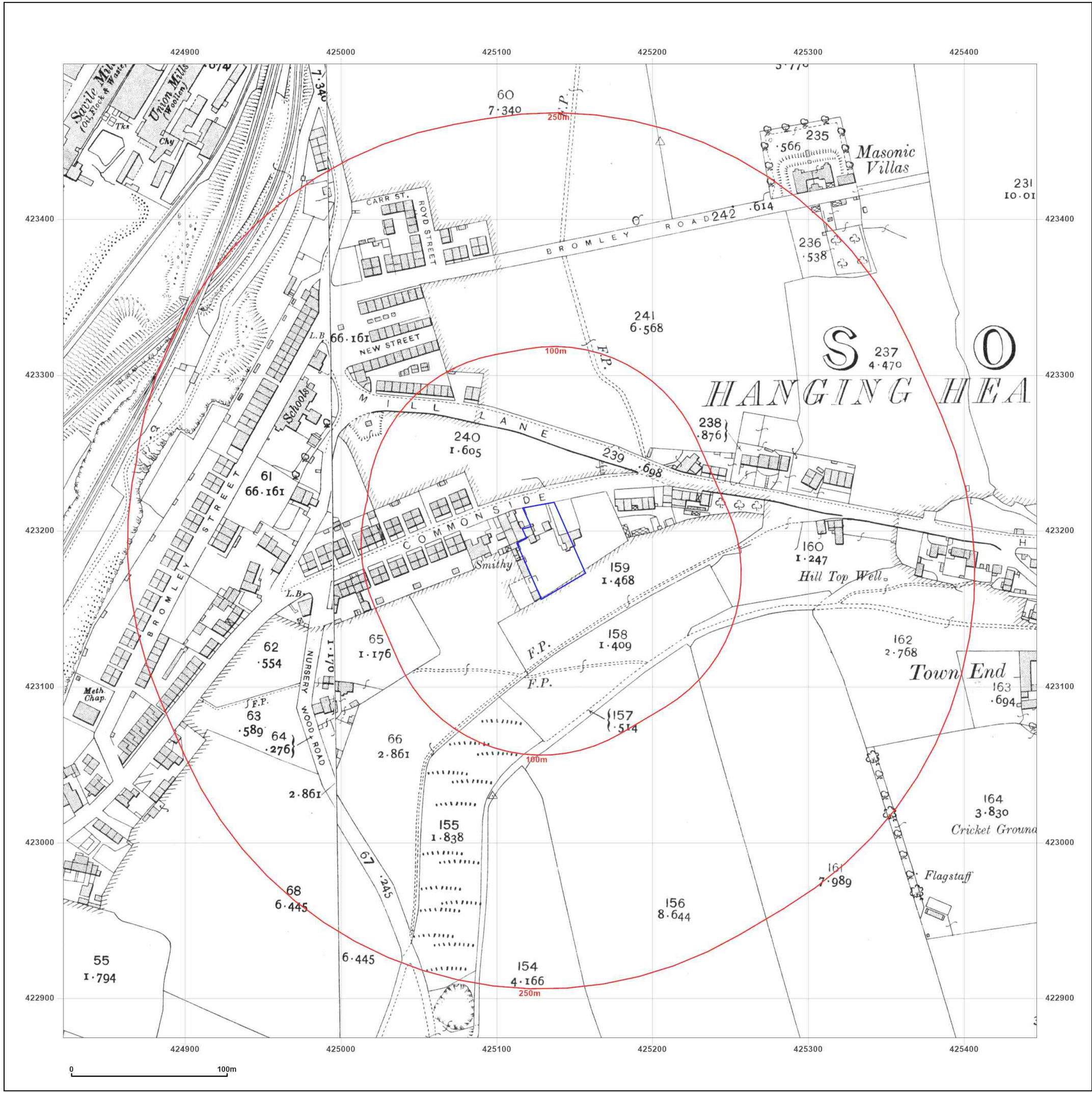
<p>Surveyed 1907          Revised 1907          Edition N/A          Copyright N/A          Levelled N/A</p>	<p>Surveyed 1907          Revised 1907          Edition N/A          Copyright N/A          Levelled N/A</p>
--	--

**Powered by**  Produced by Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

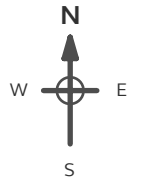
Map legend available at: [www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**  
 212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series  
**Map date:** 1922  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



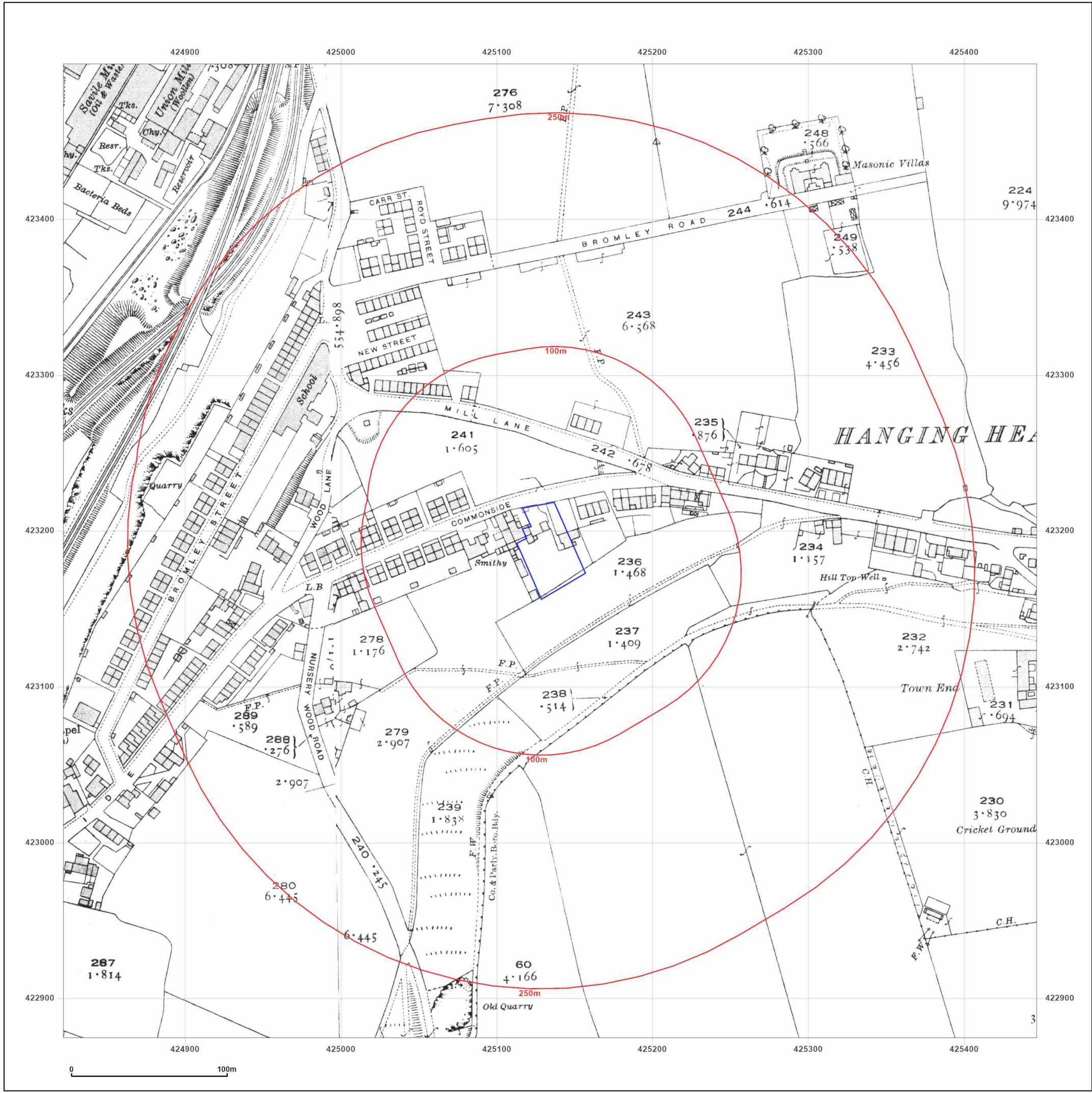
<p>Surveyed 1922          Revised 1922          Edition N/A          Copyright N/A          Levelled N/A</p>	<p>Surveyed 1922          Revised 1922          Edition N/A          Copyright N/A          Levelled N/A</p>
--	--

**Powered by**  Produced by Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** County Series

**Map date:** 1933

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1933  
 Revised 1933  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed 1933  
 Revised 1933  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

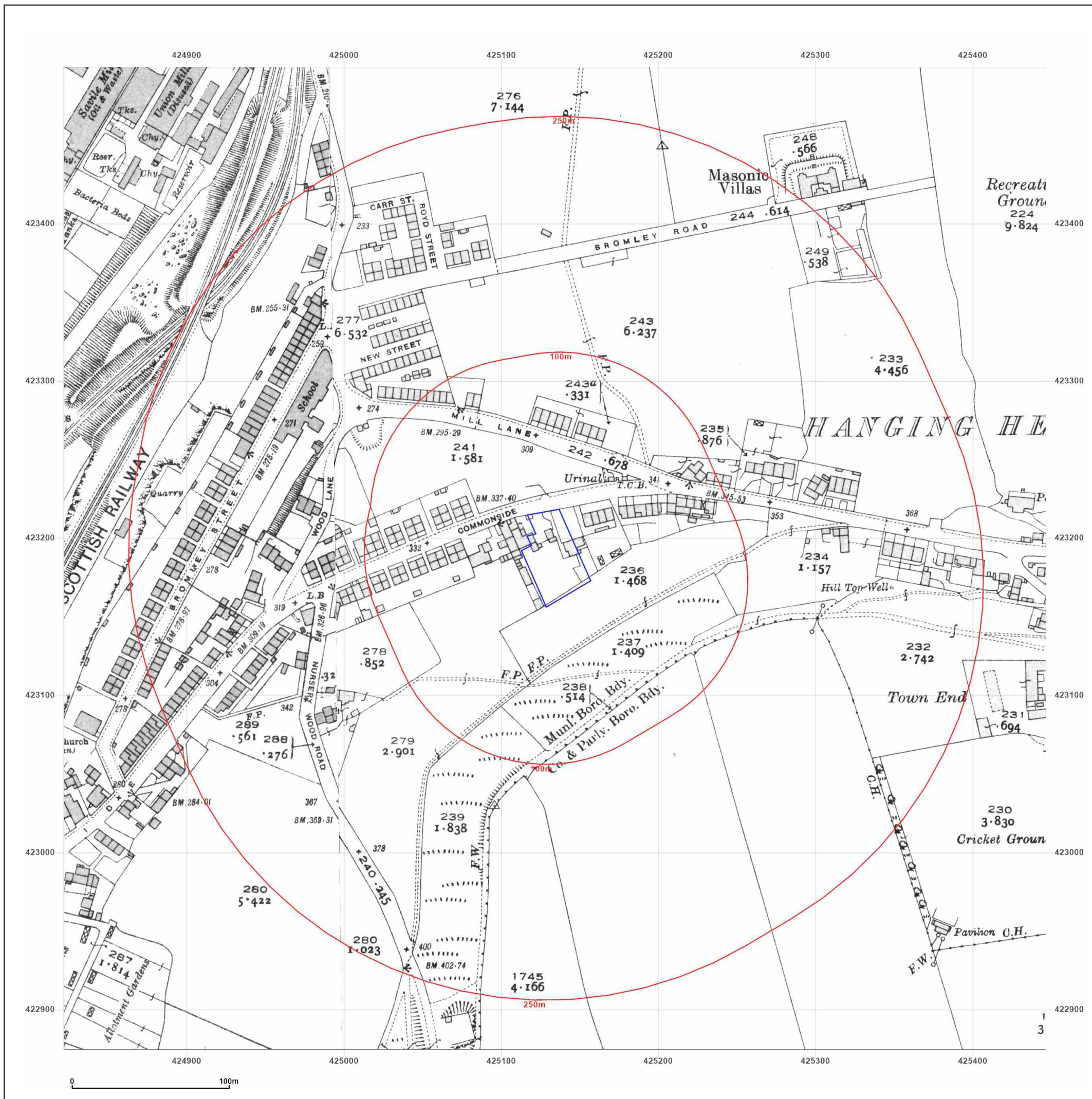


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)





**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

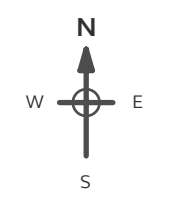
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1954-1955

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed 1955 Revised 1955 Edition N/A Copyright N/A Levelled 1931	Surveyed 1955 Revised 1955 Edition N/A Copyright N/A Levelled 1931
Surveyed 1954 Revised 1954 Edition N/A Copyright N/A Levelled 1931	Surveyed 1954 Revised 1954 Edition N/A Copyright N/A Levelled 1931

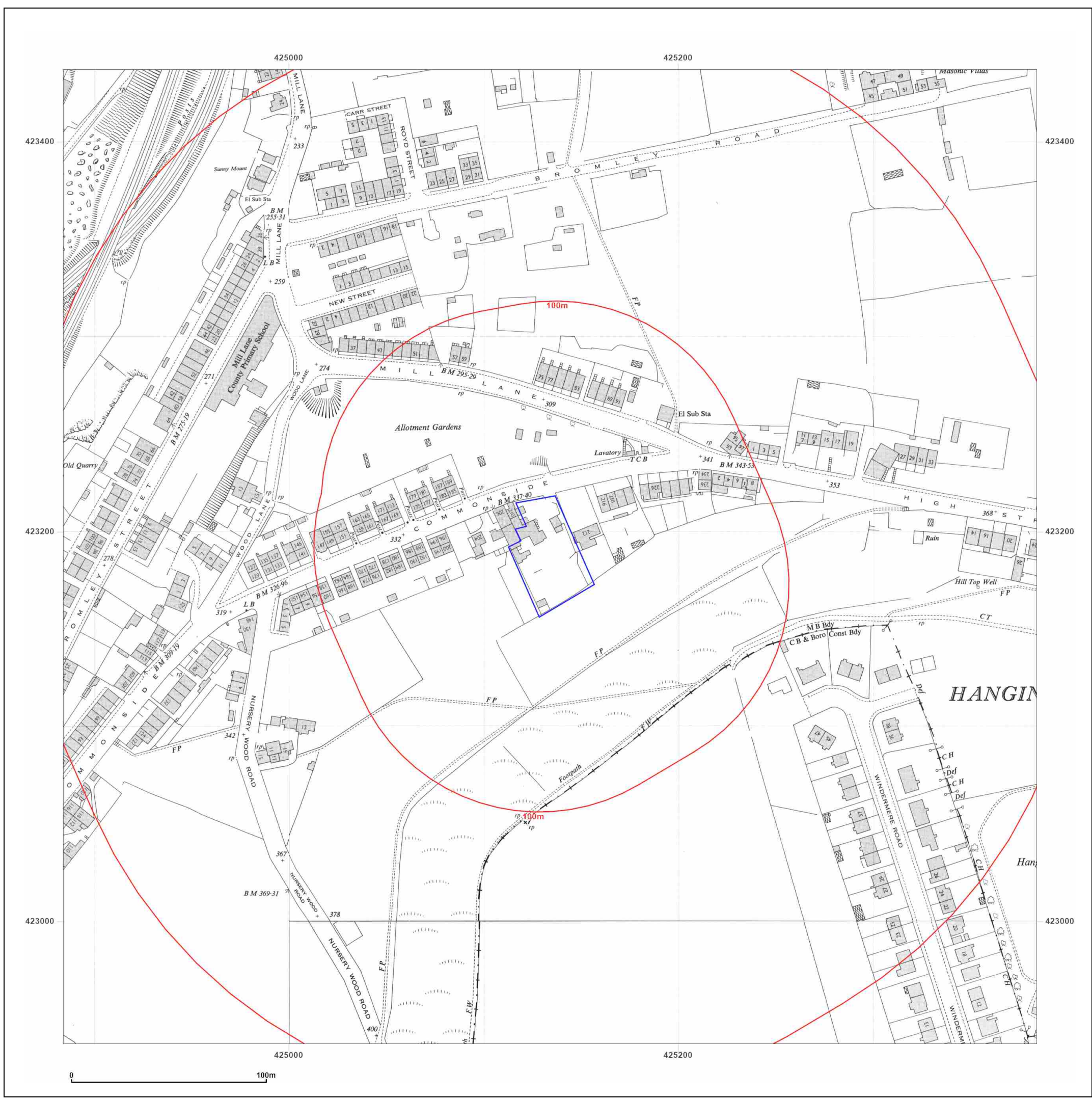


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

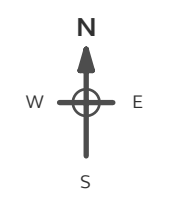
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1955-1956

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed 1955  
 Revised N/A  
 Edition 1956  
 Copyright N/A  
 Levelled 1931

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

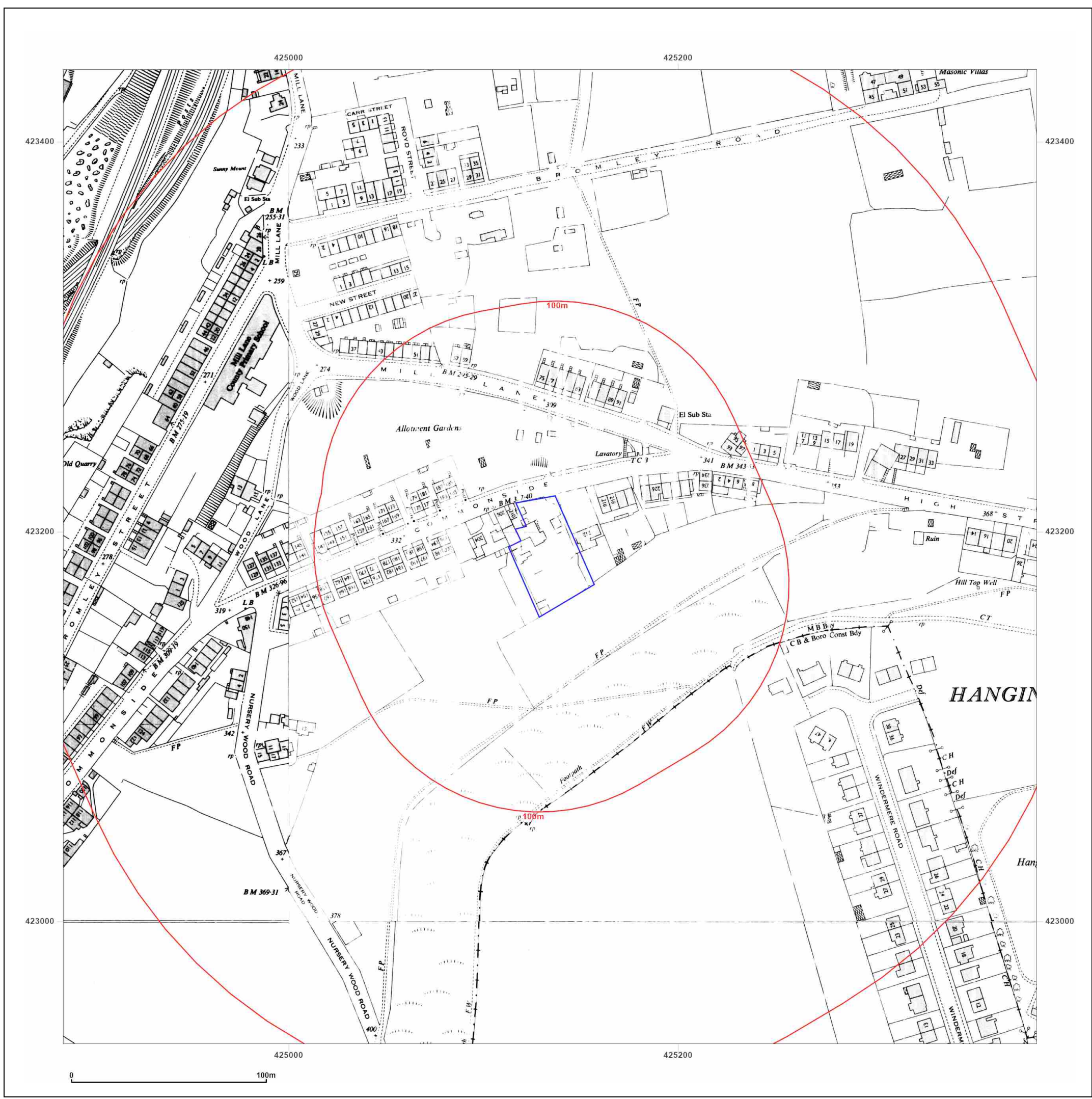


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1956

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1955  
 Revised 1955  
 Edition 1956  
 Copyright N/A  
 Levelled 1931

Surveyed N/A  
 Revised 1955  
 Edition 1956  
 Copyright N/A  
 Levelled N/A

Surveyed N/A  
 Revised N/A  
 Edition 1956  
 Copyright N/A  
 Levelled 1931

Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

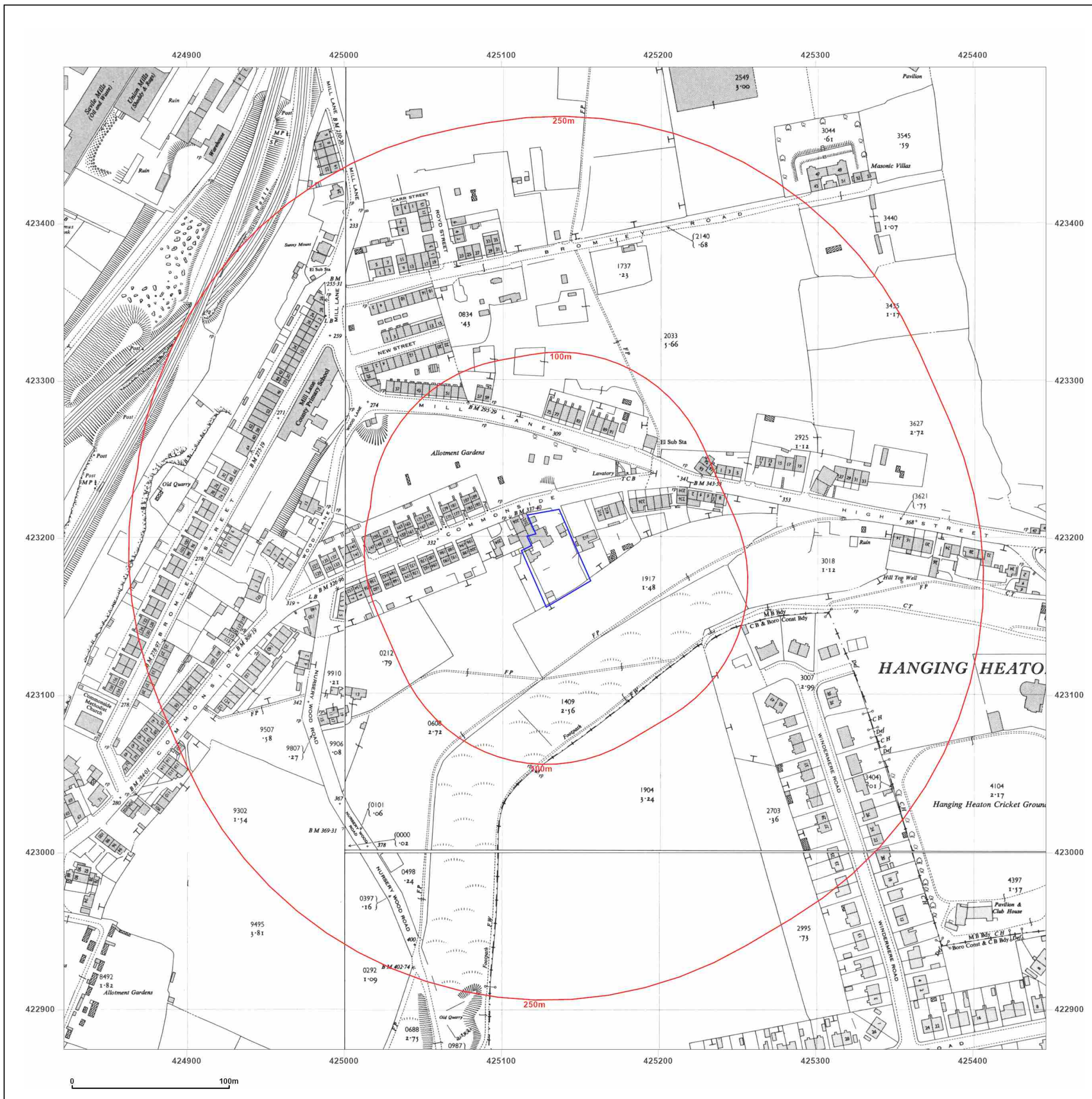


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING  
HEATON, BATLEY, KIRKLEES,  
WF17 6EB

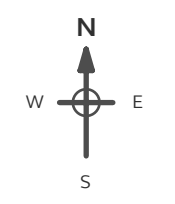
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

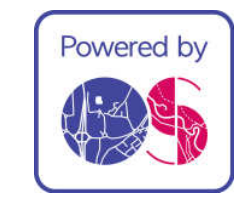
**Map date:** 1962-1963

**Scale:** 1:1,250

**Printed at:** 1:2,000



<p>Surveyed 1955 Revised 1962 Edition N/A Copyright 1962 Levelled 1959</p>
<p>Surveyed 1954 Revised 1962 Edition N/A Copyright 1963 Levelled 1957</p>



Produced by  
Groundsure Insights  
T: 08444 159000  
E: [info@groundsure.com](mailto:info@groundsure.com)  
W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

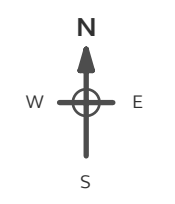
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1966

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed N/A  
 Revised 1962  
 Edition 1966  
 Copyright 1966  
 Levelled N/A

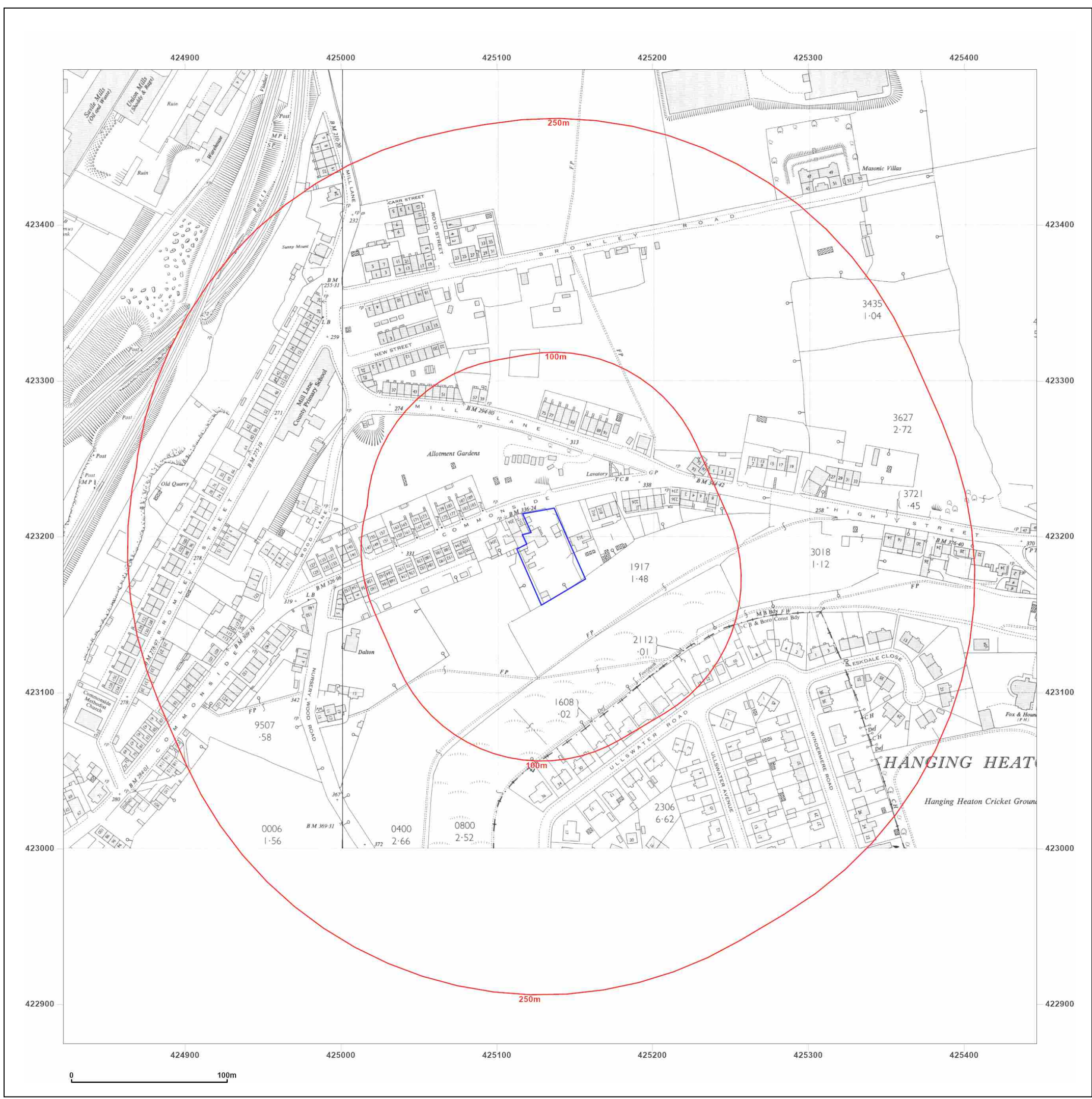


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025


Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



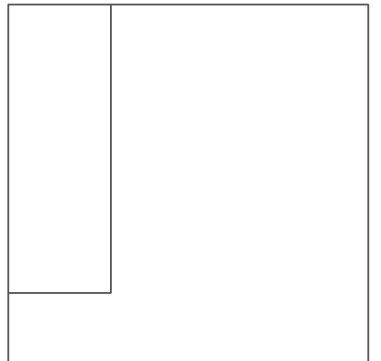
**Site Details:**  
 212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid  
**Map date:** 1966  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



Surveyed N/A  
 Revised N/A  
 Edition N/A  
 Copyright N/A  
 Levelled N/A

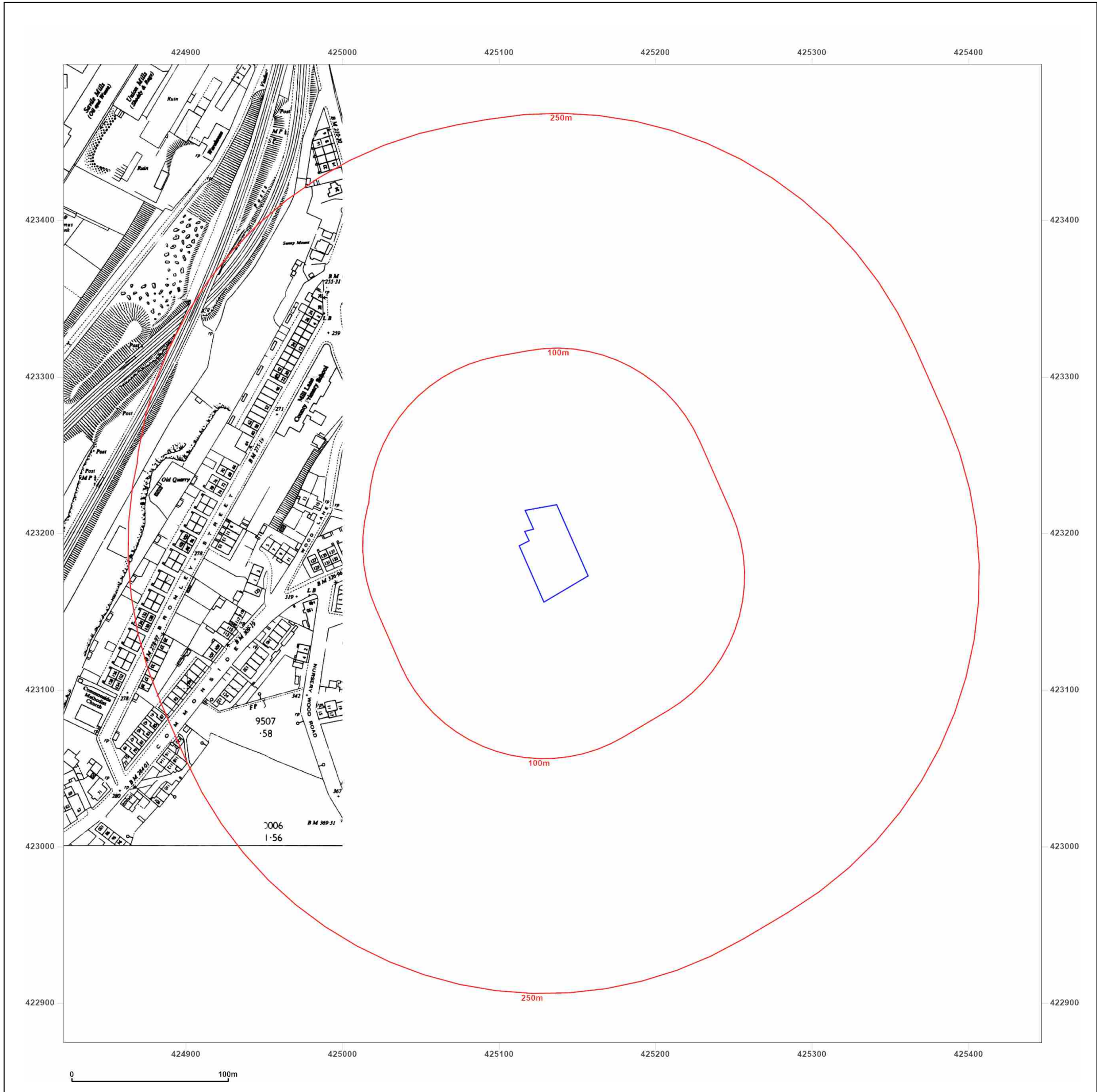



 Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

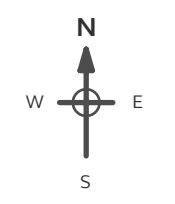
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

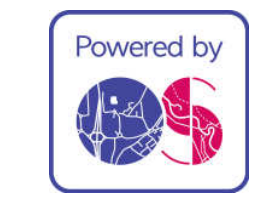
**Map date:** 1971-1976

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveyed 1955 Revised 1973 Edition N/A Copyright 1974 Levelled 1962	Surveyed 1955 Revised 1972 Edition N/A Copyright 1972 Levelled 1962
Surveyed N/A Revised N/A Edition 1976 Copyright N/A Levelled N/A	Surveyed 1954 Revised 1970 Edition N/A Copyright 1971 Levelled 1962

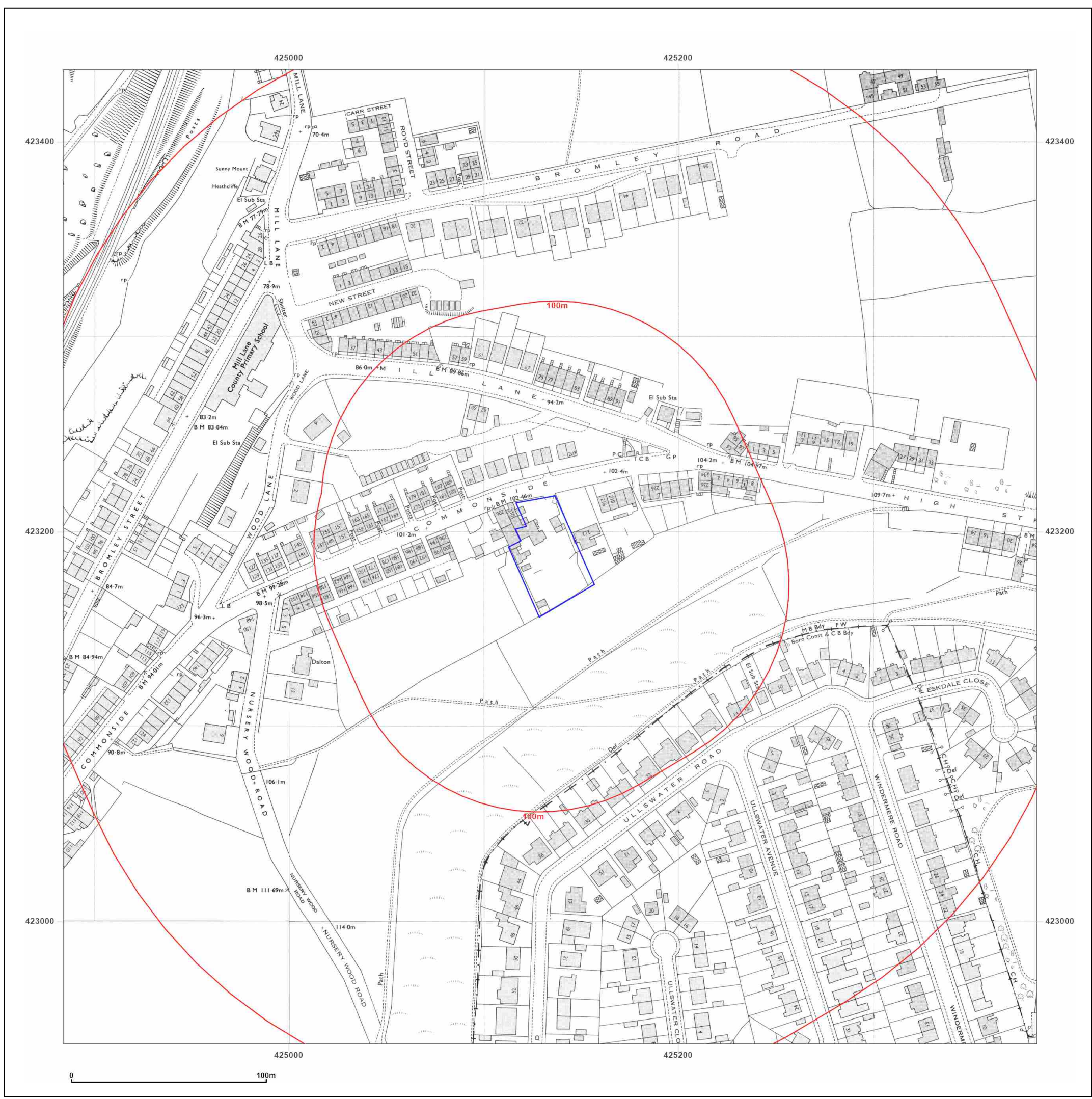


Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

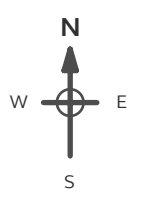
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1982-1985

**Scale:** 1:1,250

**Printed at:** 1:2,000



<p>Surveyed 1962          Revised 1982          Edition N/A          Copyright 1982          Levelled 1962</p>	<p>Surveyed 1962          Revised 1985          Edition N/A          Copyright 1985          Levelled 1962</p>
--	--



Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

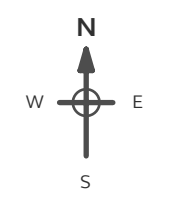
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** National Grid

**Map date:** 1991-1992

**Scale:** 1:1,250

**Printed at:** 1:2,000



Surveied N/A Revised N/A Edition N/A Copyright 1991 Levelled 1962	Surveied 1992 Revised N/A Edition N/A Copyright 1992 Levelled N/A
Surveied N/A Revised N/A Edition N/A Copyright 1992 Levelled N/A	Surveied 1992 Revised 1992 Edition N/A Copyright N/A Levelled N/A



Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



**Site Details:**

212, COMMONSIDE, HANGING HEATON, BATLEY, KIRKLEES, WF17 6EB

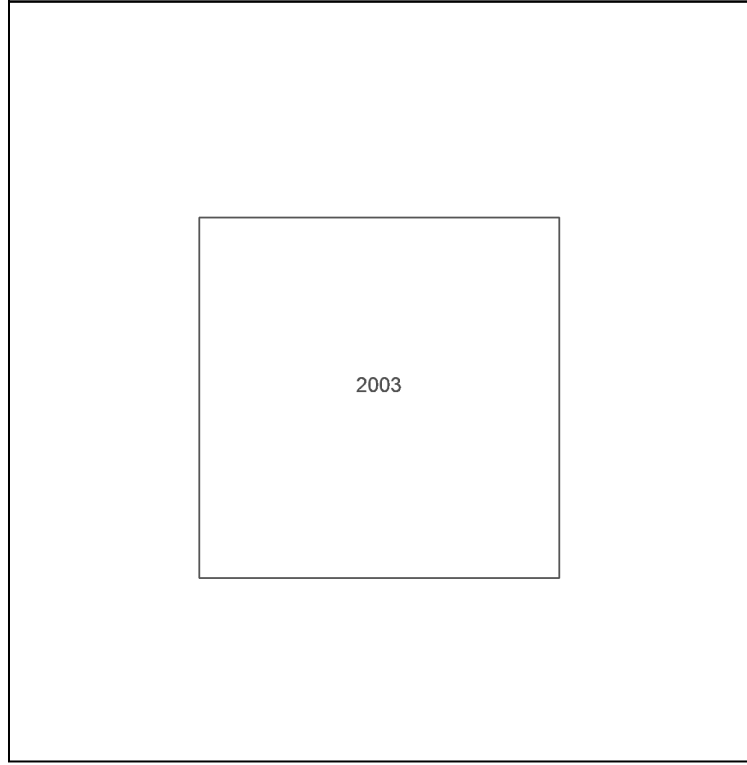
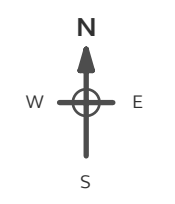
**Client Ref:** RBG457  
**Report Ref:** GS-ZSL-3H3-X8C-4K3  
**Grid Ref:** 425134, 423187

**Map Name:** LandLine

**Map date:** 2003

**Scale:** 1:1,250

**Printed at:** 1:1,250



Produced by  
 Groundsure Insights  
 T: 08444 159000  
 E: [info@groundsure.com](mailto:info@groundsure.com)  
 W: [www.groundsure.com](http://www.groundsure.com)

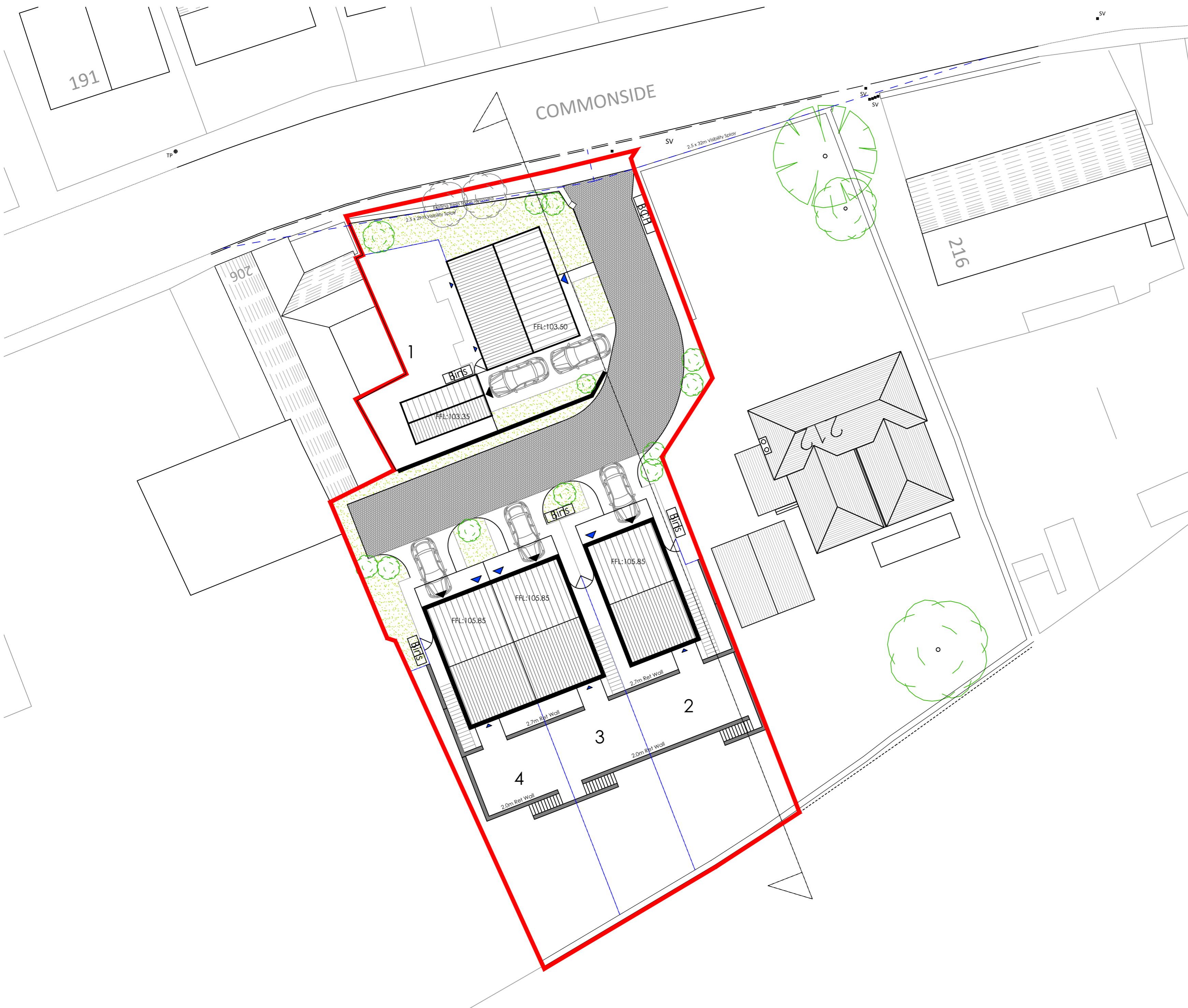
© Crown copyright and database rights 2024 Ordnance Survey 100035207

Production date: 04 April 2025

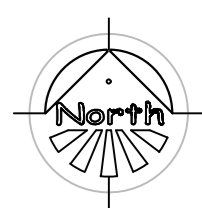
Map legend available at:  
[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)



## **APPENDIX C – PROPOSED DEVELOPMENT PLAN**



Plot Schedule		
Plot	sqft	Beds
1	1226	4
2	1365	4
3	1365	4
4	1365	4



Planning drawings only - Not to be used for construction purposes.

Client	
Project	Thornhill Motors, Commonside
Title	Proposed Elevations & Plan

Scale	1:200 @ A2	Date	
Drawn	AC	Checked	
Drawing No.		Rev.	D


  
 ARCHITECTURAL SERVICES FOR DOMESTIC  
 EXTENSIONS, ALTERATIONS AND NEW BUILDS  
 01924 663241 / 07837 804088  
 andy@spacium.co.uk  
 www.spacium.co.uk