



Turner and Townsend

# Co-op Academy, Smithies Moor

Preliminary Risk Assessment

350555 - R01 (00)



## RSK GENERAL NOTES

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**Project No.:** 350555 - R01 (00)

**Title:** Preliminary Risk Assessment: Co-op Academy, Smithies Moor

**Client:** Turner and Townsend

**Date:** November 2022

**Office:** RSK Environment Limited, The Potteries, Pottery Street, Castleford, WF10 1NJ.  
Tel 01977 552255

**Status:** Rev 00

**Author** Amy Middler **Technical reviewer** John Harrison

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**Project manager** Laura Alderman **Quality reviewer** Kirsten McGrath

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Revision control sheet				
Revision ref.	Date	Reason for revision	Amended by:	Approved by:
Rev Version 00	14 <sup>th</sup> Nov 2022	First issue	n/a	see above

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Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

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## EXECUTIVE SUMMARY

<b>Commissioning and purpose of assessment</b>	<p>RSK Environment Limited (RSK) was commissioned by Turner and Townsend to carry out a Preliminary Risk Assessment of the land at Co-op Academies, Smithies Moor, WF16 9BB, grid reference 422066, 424957.</p> <p>The overall aim of the project was to assess land contamination sources and geotechnical constraints to the proposed development.</p>
<b>DESK-BASED ASSESSMENT</b>	
<b>Site description and proposed development</b>	<p>The site currently comprises of a single three-storey primary school which occupies an area of 0.9 hectares.</p> <p>The school building is going to be refurbished with some major rebuilding work proposed.</p>
<b>History of site and surrounding area</b>	<p>The site was formerly undeveloped until approximately 1961 when a three-storey secondary school was constructed. Potential sources of contamination identified on-site comprise of historical use as agricultural land and possible made ground. Potentially contaminative current activities identified in the surrounding area include an historic chemical works, brick works and collieries.</p>
<b>Previous site investigation (SI) reports</b>	<p>There are no previous SI reports available.</p>
<b>Geology and environmental setting</b>	<p>The Site is underlain by Lower Pennine Coal Measures according to published geological data and borehole data. Made ground is possible, associated with the construction of the school currently present on site.</p> <p>Environmental receptors identified comprise:</p> <ul style="list-style-type: none"> <li>• Groundwater within the Lower Pennine Coal Measures (bedrock) classified as a Secondary A aquifer</li> </ul>
<b>Site reconnaissance findings</b>	<p>The site comprises of one main school building surrounded by vegetated and hardstanding play areas.</p> <p>There was no evidence of contamination seen during the site walkover.</p> <p>No obvious asbestos containing materials were observed, however buildings were not accessed during the survey and no evidence of asbestos was noted in the ground surface.</p> <p>Site waste was stored in a secured skip in the car park.</p> <p>There was an electrical transformer at the site boundary, but no evidence of contamination was observed.</p> <p>There were no watercourses near to the site and site boundaries were clear.</p>

<p><b>Initial conceptual site model (CSM) and preliminary risk assessment (PRA)</b></p>	<p>Potentially complete contaminant linkages identified with a risk estimate of moderate to low or above include:</p> <ol style="list-style-type: none"> <li>1. Direct contact of the potential contamination within the soils to future site users (children, teachers, parents).</li> <li>2. Migration and build-up of ground gas within on-site buildings.</li> </ol> <p>To reduce the uncertainty associated with the conceptual model and to quantify the risk associated with the contaminant linkages above, intrusive investigation and subsequent quantitative risk assessment is recommended.</p>
<p><b>Recommendations including issues for further assessment</b></p>	<p>Intrusive investigation works are recommended to provide further geotechnical and environmental information for the proposed development.</p>
<p><i>The information given in this summary is necessarily incomplete and is provided for initial briefing purposes only. The summary must not be used as a substitute for the full text of the report.</i></p>	

# 1 INTRODUCTION

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## 1.1 Commissioning

RSK Environment Limited (RSK) was commissioned by Turner and Townsend to carry out a Preliminary Risk Assessment of the land at Co-Op Academies, Smithies Moor, WF16 9BB, grid reference 422066, 424957.

RSK's service constraints are shown in [Appendix A](#).

The Site in question is part of a ten-year plan to carry out major rebuilding and refurbishment projects on school and sixth form buildings in England.

## 1.2 Objectives

The objective of the work is:

- to identify any land contamination and/or geotechnical constraints to the proposed development and to support discharge of relevant planning conditions and relevant building control requirements
- to identify the need for any additional investigation or remediation works to demonstrate that the site is suitable for its proposed use

## 1.3 Scope of works

The scope of this assessment has been developed in accordance with relevant British Standards and authoritative technical guidance as referenced through the report. The assessment of the contamination status of the site is in line with the technical approach presented in Land Contamination Risk Management (LCRM) (Environment Agency, 2021) – which supersedes CLR11 Model Procedures for Land Contamination – and in general accordance with BS 10175: 2011 + A2 2017 (BSI, 2017). It is also compliant with relevant planning policy and guidance.

A brief summary of relevant legislation and policy relating to land contamination is given in [Appendix B](#).

The scope of works for this Phase 1 Desk Study has included the following:

- A study of local geology and hydrogeology, including historical BGS boreholes.
- Assessment of the potential risks from past, present and future coal mining activities.
- The identification of potential geological hazards, including radon.
- A study of the land-use, development history and environmental data on and around the site and its surroundings from local authority correspondence, an Envirocheck report and archival Ordnance Survey mapping.
- The identification of aquifer vulnerability rating beneath the site and local water abstraction points from Environment Agency records.
- A site walk-over.

- The identification of potential targets at risk from possible contamination.
- Production of a preliminary conceptual site model (CSM).
- Recommendations for further work, including outline intrusive investigation recommendations.

## **1.4 Existing reports**

No existing reports relevant to the site assessment have been provided to RSK.

## 2 SITE DETAILS

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### 2.1 Site location

Site location details are presented in Table 1 and a site location plan is provided on [Figure 1](#).

**Table 1 Site location details**

<b>Site name</b>	Co-Op Academies, Smithies Moor
<b>Full site address and postcode</b>	Leeds Old Road, Heckmondwike, WF16 9BB
<b>National Grid reference (centre of site)</b>	422066, 424957

### 2.2 Site description

The Site boundary and current site layout are shown on [Figure 2](#). The Site covers an area of c. 0.9 hectares. It is currently occupied by Co-op Academy, Smithies Moor Primary School. The site is roughly square in shape and comprises of a single three storey school block, with hardstanding playgrounds, car parks and some vegetated playing fields.

### 2.3 Surrounding land uses

The Site is located in Heckmondwike, within a predominantly residential setting. Immediate surrounding land uses are described in Table 2.

**Table 2 Surrounding land uses**

<b>North</b>	Leeds Old Road, Residential properties, Fairfield School
<b>East</b>	Fairfield School, playing fields
<b>South</b>	Playing fields
<b>West</b>	Residential properties, Leeds Old Road, Whitehall Service Station.

## 3 **DESK-BASED ASSESSMENT**

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The desktop study was designed generally to meet the objectives of a preliminary (phase 1) investigation, as defined by BS 10175:2011 + A2 2017 (BSI, 2017) and this assessment relates to LCRM Stage 1, Tier 1 preliminary risk assessment. The "vicinity" of the site for the purposes of this report is defined as locations situated within an approximate 250 m radius of the site, although certain sources and/or sensitive targets further than 250 m may also have been considered.

The study aims principally to identify and assess the potential risks and liabilities associated with contamination of the ground, on and in the vicinity of the site. While this includes consideration of current operations and housekeeping on the site, the report does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

### 3.1 **Site history**

#### 3.1.1 **Historical development record**

The development history of the site and surrounding area based upon assessment of historical plans and records is detailed below. The historical maps reviewed are shown within the environmental database report in [Appendix C](#).

##### **Summary of historical development on site**

Historical maps indicate the site to be undeveloped agricultural land in 1854. Between 1956-1967 the secondary school building was constructed, with no changes to the building area or shape to present.

Information provided in the outline brief and roadmap states the school was originally built as a secondary school between 1961-1970.

##### **Summary of historical development off site**

Historical maps from 1894 indicate a chemical works less than 50 m away from the south-west site boundary. The maps also show Joan Royd Colliery to be approximately 300 m south-west of site and White Lee Colliery 260 m north-west of site. Joan Royd Colliery is not shown in the maps from 1997. In 1907-1908 shafts appear which are approximately 80 m east of site, with brick works to be 150 m east these disappear from the maps by 1922. Residential properties are shown approximately 20 m north-west of the site from 1938. Between 1956-1978 a garage (current Whitehall Service Station) was added approximately 60 m to the north-west of site. There have been minimal changes since then.

#### 3.1.2 **Unexploded ordnance**

A review of publicly available unexploded ordnance (UXO) risk maps indicates that the site is located in an area with low potential for wartime bombs to be present (Zetica, 2022).

### 3.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see [Appendix C](#)) are summarised below in Table 3.

**Table 3 Summary of environmental permits, landfills and incidents**

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
<b>Agency and hydrological</b>				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	2	0	The nearest Local Authority Pollution Prevention and Controls is approximately 80 m SW of the site and is related to waste oil burners at Whitehall Service Station.
Enforcement and prohibition notices	0	0	0	None recorded.
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	1	0	The nearest Pollution Incident to Controlled Waters is approximately 75 m E of the site and is related to a foul sewer incident from 1990.
Discharge consents	0	0	0	None recorded.
Registered radioactive substances	0	0	0	None recorded.
<b>Landfill and waste</b>				
Active landfills	0	0	0	None recorded.
Historic/closed landfills	0	0	0	None recorded.
Other waste management licences	0	0	0	None recorded.

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	None recorded.
<b>Hazardous substances/industrial land uses</b>				
Control of Major Accident Hazards (COMAH) sites	0	0	0	None recorded.
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/enforcements	0	0	0	None recorded.
Contaminated land Part 2A register entries and notices	0	0	0	None recorded.
Contemporary trade directory entries	0	10	2	The nearest active Contemporary Trade Directory Entries are 103 m W of the site.
Fuel station entries	0	0	0	None recorded.
<i>Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.</i>				

### 3.3 Site geology

#### 3.3.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded below in Table 4. There are 29 publicly available BGS historical boreholes located on or within 250 m of the site, a selection of which are presented in [Appendix D](#).

**Table 4 Site geology**

Strata	Description	Estimated thickness	Permeability
Made ground	Unknown.	<1 m	Low Permeability.
Pennine Lower Coal Measures Formation	Mudstone, siltstone, sandstone and coal.	650 m	Low Permeability.
Relevant information sources: BGS Geoindex <input checked="" type="checkbox"/> BGS borehole logs <input checked="" type="checkbox"/> Previous SI reports <input type="checkbox"/>			

The on-site BGS borehole records (reference SE22SW1175, SE22SW1176 and SE22SW1177) indicate clay, underlain by mudstone and sandstone bedrock. Made ground is not indicated on the BGS borehole records, however it may be present associated with the construction of the school.

### 3.3.2 Radon

The environmental database report indicates that the site is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 5-10% of homes are above the Action Level of 200 Bq m<sup>-3</sup>.

Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the site is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 "Radon: Guidance on Protective Measures for New Dwellings (2015)".

## 3.4 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the site.

### 3.4.1 Coal mining area

The site is located over Coal Measures bedrock and may therefore have been affected by coal mining activities. In these areas the assessment of mining legacy issues should be carried out in accordance with the guidance provided by the Coal Authority, who adopt a risk-based approach for the advice that they offer on proposed development sites. The Coal Authority are a statutory consultee to Local Planning Authorities in respect of building

development within the defined coal mining areas of England, Wales, and Scotland where a planning application is required.

An initial site appraisal has been carried out based on the information provided on the Coal Authority Interactive Viewer of the UK Coalfield areas.

This indicates the site lies within the Coal Authority Consultation Area and includes Development High Risk Areas. It is a requirement for development within High Risk Areas to prepare a desk-based Coal Mining Risk Assessment (CMRA) report to support planning applications for new building developments.

A CMRA needs to consider a number of sources of information to determine coal mining issues relevant to a site, it then needs to identify and assess the site-specific coal mining risks and propose an appropriate mitigation strategy relevant for the proposed site end-use.

The key findings from review of the datasets from the Coal Authority Interactive Viewer and the Coal Mining report are summarised in Table 5.

**Table 5 Summary of key coal mining information**

Item	Applicable to site?	Comment
Development High Risk Area on-site	Yes	The site lies within a Development High Risk Area.
Coal mine entries	No	There are four off-site coal mine entries recorded in the CA report- the nearest is approximately 50 m south-west of site.
Past shallow workings (recorded)	No	There are no past shallow workings recorded in the CA report or interactive viewer.
Probable shallow workings	Yes	The site lies within an area of probable shallow workings.
Coal seam outcrops	No	No outcrops recorded.
Surface mining (opencast)	No	There is no surface mining recorded in the CA report or interactive viewer within 500 m.
Other	No	No faults, fissures or breaklines recorded. No outcrops recorded.

### 3.5 Hydrogeology

A summary of the hydrogeological setting of the site, with respect to the anticipated geological sequence set out in Section 3.3 is presented below in Table 6.

**Table 6 Summary of hydrogeological setting**

Condition	Description
Aquifer characteristics	The site is underlain by a secondary A aquifer, relating to the Pennine Lower Coal Measures Formation. BGS boreholes indicated low permeability clay at relatively shallow depths beneath the site, which while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	Water was not encountered in boreholes up to approximately 20 m depth. It is also likely that shallow water may be present in any made ground deposits present on-site.
Rising groundwater levels	The site is located in a former coal mining area and may be associated with rebounding groundwater levels following the end of mining and associated dewatering (see section 3.4).
Groundwater recharge/attenuation	Most of the site is currently covered with buildings and hardstanding and therefore this will limit infiltration to ground and groundwater recharge.
Historical implications for hydrogeology	No historical implications for hydrogeology recorded.
Licensed groundwater abstractions	The environmental database report indicates that there are no groundwater abstractions within a 1 km radius of the site.
Source protection zones	Information available in the Envirocheck report indicates that the site does not lie within a currently designated groundwater Source Protection Zone (SPZ).

### 3.6 Hydrology

A summary of the hydrology within the site area is summarised in Table 7.

**Table 7 Summary of hydrology in site area**

Condition	Description
Surface watercourses/features	There are no ponds, streams, or drainage ditches on or adjacent to the site.
Surface water abstractions	There are no surface water abstractions identified by the environmental database, within a 1 km radius of the site.
Site drainage	During the site walkover, it is unclear where the site drains to, but there are drain pipes and drains on the hardstanding sections of the site.

Condition	Description
Preliminary flood risk assessment	<p>The indicative floodplain map for the area, shows that the site is not within a designated floodplain. The risk of flooding each year has been assessed by the EA as low –i.e. less than 1.3% (1 in 75). A flood risk assessment (FRA) is outside the scope of this report.</p> <p>The site is at a high risk to surface water flooding, which means that during heavy rain periods, the water cannot drain away.</p>

The outline brief and roadmap indicated that the northern part of the site has surface water flooding issues; no evidence of this was observed at the time of the site walkover.

## 4 SITE RECONNAISSANCE FINDINGS

A site reconnaissance survey was completed on 18 October 2022 by RSK. The characteristics of the site observed during the walkover and from current ordnance Survey maps are summarised in Table 8.

A site plan is provided in [Figure 2](#) with photographic records included in [Appendix E](#) detailing the main features identified below.

Whilst the walkover summary includes consideration of current operations and housekeeping on the site as potential sources of contamination, it does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

**Table 8 Site reconnaissance findings**

Feature	Description
<b>Physical characteristics</b>	
Access constraints	Access to the outdoor spaces were through the school during the walkover. There is a gate off Leeds Old Road which can be opened for vehicle access to the rear of the school. The courtyard in the centre of the school building was not accessible.
Site topography	The Site is essentially level.
Surface cover	The Site is predominantly hardstanding (70%) or covered by existing school buildings. There are some vegetated sections (30%), although the fields to the south and east of the school are outside of the site boundary, so not included within this desk study.
Site drainage	It was unclear where the site was draining to, but there were drain pipes around the buildings and drains and gullies into the ground across site. There were no nearby watercourses, lagoons, or effluent treatment plants on site. There was no evidence of waterlogging or flooding.
Surface water	There are no streams or drainage ditches on or adjacent to the site.
Trees and hedges	The Site contains some trees south-west of the car park. There are also trees and hedges to the southern boundary of site.
Invasive species	Based upon the walkover survey obvious evidence of Japanese Knotweed or other invasive species has not been identified on-site. However, it should be noted that a detailed survey of the possible presence or absence of invasive species is outside of the scope of investigation and consideration should be given to commissioning a specialist survey, as necessary.
Existing buildings on-site	The Site contains a three storey school building. No evidence of gas membranes were seen during the walkover.
Retaining walls and adjacent buildings on or close to site boundary	There are no such structures on or close to the site boundary.

Feature	Description
Basements on-site	Basements are present beneath the school, and are used as teaching spaces and by a local rugby club.
Made ground, earthworks, and quarrying	None observed.
Potentially unstable slopes on or close to site	None observed.
Buried and overhead services present	There are several manhole covers on-site. Overhead services were also noted.
<b>Environmental characteristics</b>	
Underground/ above ground storage tanks and pipework	None observed.
Potentially hazardous materials storage and use	None observed.
Asbestos-containing materials	No obvious asbestos construction materials were observed but a detailed survey of the buildings would be required to confirm the presence or otherwise of asbestos-containing materials.
Waste storage	Waste from the school is stored in wheelie bins and a skip in the car park. There is also an electrical waste skip to the front of the school. There were some old school desks piled up beside the skip during the walkover.
Fly-tipping	None observed.
Electricity sub-stations/ transformers	There is an existing electrical transformer located on the north-eastern site boundary. There was no evidence of contamination around it.
Evidence of possible land contamination on-site	None observed.
Potential off-site sources of ground contamination	A car service station is situated to the south-west of site which has the possibility to have sources of contamination including oil spills etc.

Potentially significant land contamination or geotechnical issues arising from the survey are summarised below:

- Anecdotal evidence and wording within the outline brief and roadmap suggests the school was closed as a high school in the 1990s due to subsidence. It is unclear if the subsidence was addressed or where the subsidence occurred on the site.

## 5 INITIAL CONCEPTUAL SITE MODEL

In the UK land contamination is assessed using a risk-based approach taking account of the magnitude (severity of the hazard) and likelihood (probability) of occurrence. A 'receptor' is something that could be adversely affected by contamination (e.g., people, an ecological system, property or a water body). A 'pathway' is a route or means by which a receptor is or could be exposed to or affected by a contaminant. A 'contaminant source' is a hazard but it can only pose a risk to a receptor where a pathway is present. The relationship between sources, pathways and receptors are referred to as a conceptual site model. A risk can only be released where a contaminant source, pathway and receptor are all in place, referred to as a 'pollutant linkage'.

In line with LCRM (Environment Agency, 2021) and BS 10175: 2011 + A2 2017 (BSI, 2017), RSK has used information in the preceding sections to identify hazards (sources of contaminants), receptors that may be impacted and plausible linking pathways. Where all three are present this is termed a potentially complete contaminant linkage and a qualitative risk estimation is made.

### 5.1 Potential soil, soil vapour and groundwater linkages

#### 5.1.1 Potential sources of contamination

Potential sources of soil and groundwater contamination identified from current activities and the history of the site and surrounding area are presented in Table 9. Ground gas sources are addressed in the next section.

**Table 9 Potential sources of soil and groundwater contamination**

Potential sources	Contaminants of concern
<b>On-site</b>	
Localised contamination associated with former agricultural land use	Petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), inorganics, pH, pesticides and herbicides
Possible made ground beneath the hardstanding and the school building	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos.
Existing and historical buildings	Asbestos containing material (ACM).
<b>Off-site</b>	
Joan Royd Colliery (historically 300 m SW of site) and White Lee Colliery (historically 250 m NW of site)	PAHs, heavy metals, toxic and phytotoxic metals.
Historic brick works	PAHs, total petroleum hydrocarbons (TPHs), heavy metals.

Potential sources	Contaminants of concern
Historic chemical works	Toxic and phytotoxic metals, inorganics, petroleum hydrocarbons, PAHs.

### 5.1.2 Sensitive receptors and linking exposure/migration pathways

Sensitive receptors identified at or in the vicinity of the site that could be affected by the potential sources identified above comprise:

- current/future site users – service users [oral, dermal and inhalation exposure with impacted soil, soil vapour and dust/fibres, ingestion of home-grown produce in school garden, inhalation of vapours from groundwater and/or NAPL if present]
- adjacent site users – residential, school [migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation]
- current/future buildings and services [direct contact with contaminated soils or groundwater and chemical attack]
- groundwater in secondary A aquifer within the Pennine Lower Coal Measures Formation bedrock [percolation through permeable strata to aquifer/lateral migration of dissolved phase/NAPL etc.]

Potential linking pathways are show in brackets for each item above.

Please note that construction workers and future maintenance workers have not been identified in the conceptual model as receptors because risks are considered to be managed through health and safety procedures according to the CDM Regulations.

Ecological receptors are only considered within the conceptual model in the context of statutory protected sites.

## 5.2 Potential ground gas linkages

### 5.2.1 Ground gas generation potential

Potential ground gas sources identified for the site and surrounding are shown in Table 10.

**Table 10 Potential ground gas sources**

Potential sources	Indicative ground gas generation potential (CIEH, 2008)	Additional information
<b>On-site</b>		
Made ground with low degradable organic content (e.g., up to 5% organic material and no easily degradable waste).	Very low	Colliery spoil possible.

Potential sources	Indicative ground gas generation potential (CIEH, 2008)	Additional information
Mine workings more than 50 years since last worked	Low/moderate	Potential to be flooded.
<b>Off-site</b>		
Mine workings more than 50 years since last worked	Low/moderate	Potential to be flooded.

Given the anticipated ground conditions set out above, a very low to moderate potential sources of ground gas generation which may impact the site, have been identified.

### 5.2.2 Preferential pathways for ground gas migration

Credible preferential pathways potentially connecting the source and receptor through vertical and lateral migration are:

- faults/fissures/fractures in the underlying geology
- building foundations
- construction joints and cracks within building structure
- utility routes and service penetrations into buildings
- mine workings extending laterally.

### 5.2.3 Sensitive receptors and linking pathways

Sensitive receptors identified at or in the vicinity of the site that could be affected by the potential ground gas sources identified above comprise:

- current/future site users – service users including children, teachers, and parents [migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/asphyxiation]
- adjacent site users – residential, school [migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/asphyxiation]
- current/future buildings and services [migration and ingress of ground gases into buildings, build-up in confined spaces and explosion].

The assessment has identified receptors to include building structures and current/future end-users.

Construction workers have not been identified as receptors for the purposes of this assessment. Risks may still be present to construction workers especially where works include the entry into excavations within the ground. Construction workers should undertake appropriate risk assessments and risks should be managed through health and safety procedures and the use of PPE.

### **5.3 Preliminary risk assessment**

The preliminary risk assessment findings and potentially complete contaminant linkages are shown in Table 11 overleaf. The risk classification based on the combination of hazard consequence and probability using a risk matrix from CIRIA C552 (Rudland et al., 2001), a summary of which is included in [Appendix F](#). This relates to Tier 1 preliminary risk assessment in LCRM (Environment Agency, 2021).

**Table 11 Risk estimation for potentially complete contaminant linkages**

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Contaminants in site soils potentially containing heavy metals, sulphates, polycyclic aromatic hydrocarbons (PAHs), hydrocarbons and asbestos	Future site users (including children, teachers, parents)	Direct contact (oral, dermal and inhalation exposure with impacted soil, soil vapour and dust/fibres)	Low	Medium	<b>Moderate/low</b>	Potential for site users to come into contact with soils if there is an absence of hardstanding or clean cover systems in place, however historical site use and surrounding uses indicates significant contamination is considered unlikely.
	Adjacent site users (residential and school)	Migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation	Unlikely	Medium	<b>Low</b>	Potential exposure to site soils and airborne dust is possible where hardstanding or clean cover is absent. However, dust is unlikely to be generated in sufficient quantities to cause a significant risk.
	Underground potable water supply pipes	Direct contact: permeation	Unlikely	Medium	<b>Low</b>	Potential for permeation of water supply pipes from contaminants could create health risk. Site history and surrounding uses indicate significant organic contamination is unlikely.

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Affected shallow groundwater as a result of historical or current leaching of soil contaminants	Underground potable water supply pipes	Permeation	Unlikely	Medium	<b>Low</b>	The potential for the permeation of water supply pipes by contaminants in shallow groundwater could create a health risk. Site history and surrounding uses indicate significant organic contamination is unlikely.
	Groundwater in Secondary A aquifer (Pennine Lower Coal Measures)	Vertical migration	Unlikely	Medium	<b>Low</b>	The depth to groundwater beneath site is not currently known, however the presence of clay (weathered Coal Measures) beneath the site will inhibit vertical migration.
Ground gases including carbon dioxide and methane derived from any made ground and mine workings beneath site	Future site users and properties	Migration and ingress of ground gases into buildings, build-up in confined spaces	Low	Severe	<b>Moderate</b>	If a pathway exists there is a potential for a risk of asphyxiation (from carbon dioxide) if gas concentrations build up in confined spaces or explosion if there is a build up of methane.

Risk matrix		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Potentially complete contaminant linkages with a potential risk of moderate to low or higher identified in Table 11 comprise:

1. Direct contact of the potential contamination within the soils to future site users (children, teachers, parents).
2. Migration and build-up of ground gas within on-site buildings.

These potentially complete contaminant linkages need to be assessed further through appropriate site investigation to target the identified sources of potential contamination and assess the feasibility of identified pathways.

## **5.4 Data gaps and uncertainties**

Key data gaps and uncertainties identified in the CSM at desk study stage include:

- there are no previous investigations available for the site, therefore no information on actual concentrations of contaminants in soil and groundwater or ground gas at this stage
- groundwater depth and flow direction are conceptual at this stage

## **6 CONCLUSIONS AND RECOMMENDATIONS**

---

### **6.1 Geo-environmental assessment**

Based on the results of the Preliminary Risk Assessment the contaminant linkages that have been identified to be potentially complete (relevant contaminant linkages) and to require further action are:

1. Direct contact of the potential contamination within the soils to future site users (children, teachers, parents).
2. Migration and build-up of ground gas within on-site buildings.

The site has been used as agricultural land, then a school, and potential off-site historical contaminant sources have been identified, which indicates potential for localised contamination. Data gaps and uncertainties have been considered.

To reduce the uncertainty associated with the conceptual model and to quantify the risk associated with the contaminant linkages above, intrusive investigation and subsequent quantitative risk assessment is recommended. This will determine whether any further assessment and/or remedial works are required and does not preclude options for development.

### **6.2 Uncertainties and other Potential Development Considerations**

The presence of ACM in buildings cannot be discounted, this will need to be investigated as part of a detailed pre demolition survey.

### **6.3 Recommended Phase 2 Geo-Environmental Ground Investigation Works**

Intrusive investigation works are recommended to provide further geotechnical and environmental information for the proposed development. Based on our current understanding (conceptual site model) it is recommended that Phase 2 works comprise the following

- Completion of a Coal Mining Risk Assessment
- A programme of exploratory holes across the site including soil strength testing
- Rotary openhole boreholes to investigate potential unrecorded shallow mine workings
- Geotechnical and environmental soil analysis
- Geotechnical assessment based on the results of an intrusive investigation
- In the first instance, a generic quantitative risk assessment based on the results of environmental soil analysis and sampling
- Ground gas monitoring and risk assessment

## REFERENCES

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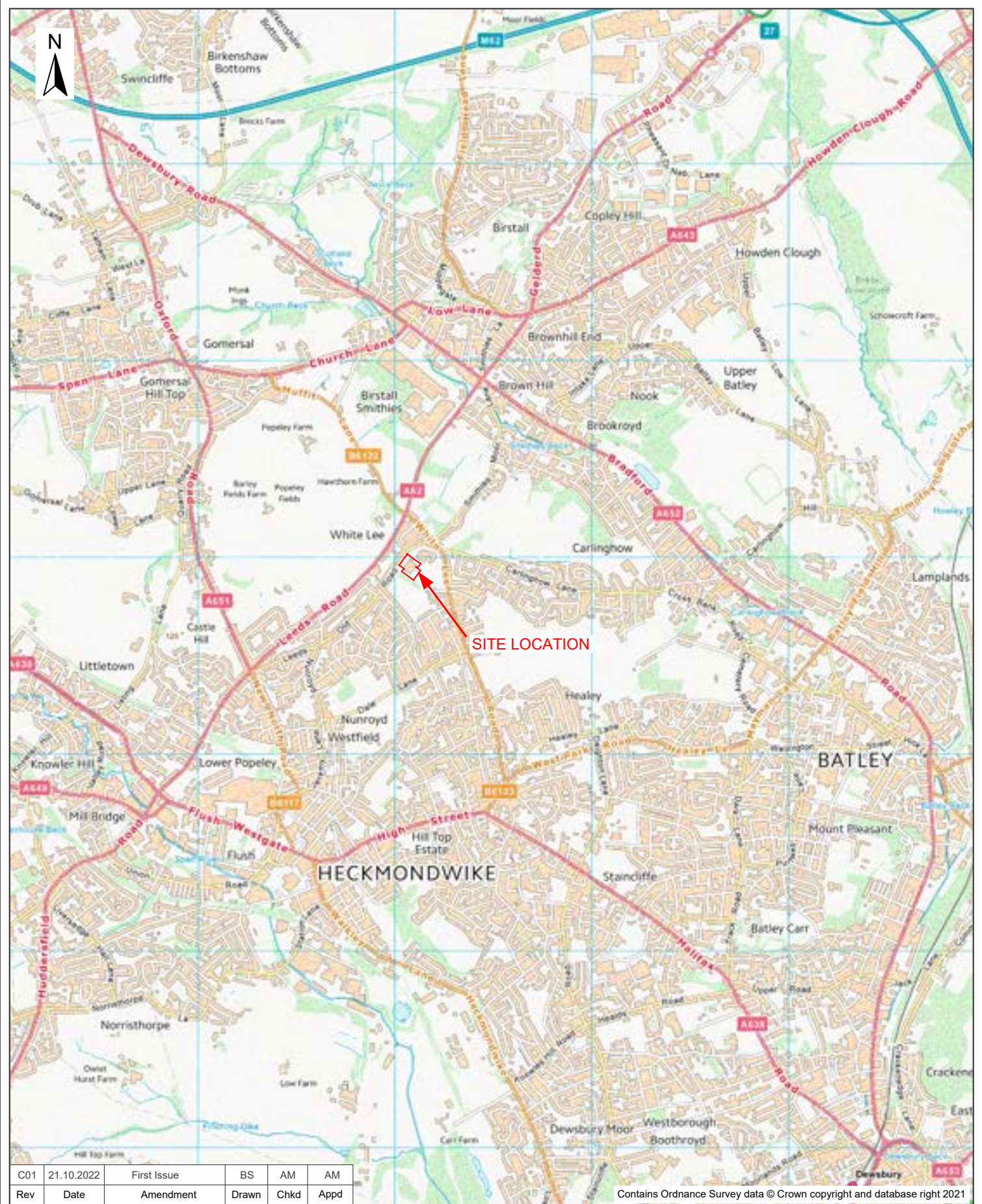
[www.zetica.com](http://www.zetica.com)

## **FIGURES**

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## FIGURE 1 SITE LOCATION PLAN



C01	21.10.2022	First Issue	BS	AM	AM
Rev	Date	Amendment	Drawn	Chkd	Appd

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**RSK**  
**GEOSCIENCES**

The Potteries  
Pottery Street  
Castleford  
WF10 1NJ

Tel: +44(0)1977 878007  
Email: [info@rsk.co.uk](mailto:info@rsk.co.uk)  
Web: [www.rsk.co.uk](http://www.rsk.co.uk)

Client	Turner and Townsend				
Project Name	Co- Op Academy Smithies Moor				
Description	Site Location Plan				

Dimension	Size	Scale	Geolocation	Project ID	Drawing no.	Rev	File name
m	A4	1:25,000	422086,424947	350555	11101	C01	350555-CS-111-SS-D-C-11101-C01



## FIGURE 2 SITE FEATURES PLAN



**LEGEND**

- Site boundary
- Hardstanding
- Vegetated
- Fenceline
- ⊠ Access to site

C01	20.10.2022	First Issue	BS	AM	AM
Rev	Date	Amendment	Drawn	Chkd	Appd

**RSK  
GEOSCIENCES**

The Potteries  
Pottery Street  
Castleford  
WF10 1NJ

Tel: +44(0)1977 878007  
Email: info@rsk.co.uk  
Web: www.rsk.co.uk

Client  
**Turner and Townsend**

Project Name  
**Co- Op Academy Smithies Moor**

Description  
**Site Features Plan**

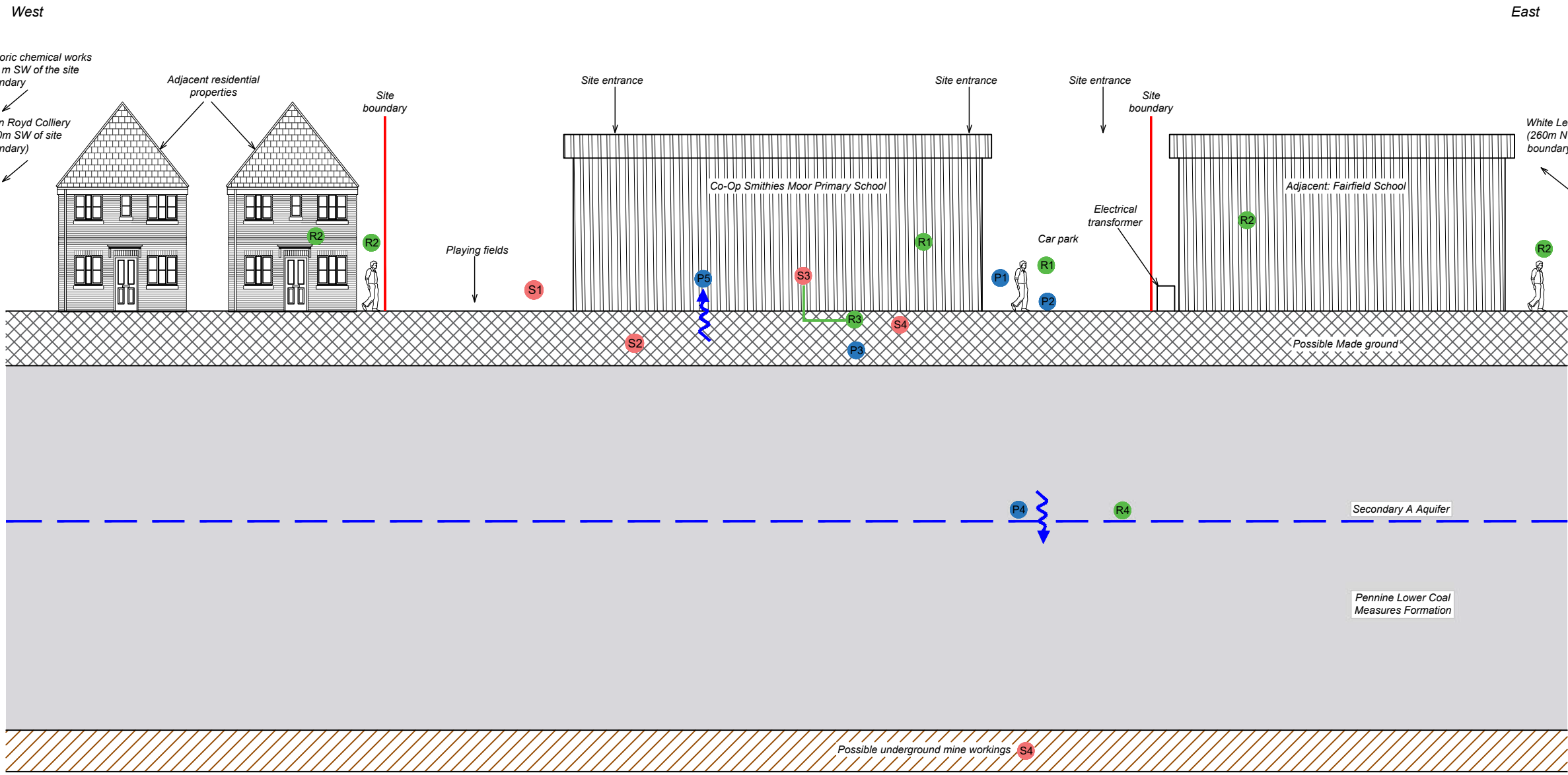
Project ID	Drawing no.	Revision
350555	12101	C01

File name  
**350555-CS-121-SS-D-C-12101-C01**

Dimensions	Scale	Size
m	NTS	A3



## FIGURE 3 INITIAL SCHEMATIC CONCEPTUAL SITE MODEL



**LEGEND**

	Made Ground
	Pennine Lower Coal Measures Formation
	Possible underground mine workings

- Sources**
- S1** Localised contamination former agricultural land use
  - S2** Made Ground
  - S3** Current / former buildings (Possible ACM)
  - S4** Ground Gas

- Pathways**
- P1** Direct contact (oral, dermal and inhalation exposure with impacted soil, soil vapour and dust / fibres)
  - P2** Migration of contamination via dust / fibre deposition, vapour or groundwater migration combined with inhalation
  - P3** Direct contact permeation
  - P4** Vertical migration in aquifer
  - P5** Migration + ingress of ground gases into buildings, build up in confined areas

- Receptors**
- R1** Future site users / properties
  - R2** Adjacent site users
  - R3** Underground potable water supply pipes
  - R4** Groundwater in Secondary A aquifer

C01	11.11.22	First Issue	FP	AM	AM
Rev	Date	Amendment	Drawn	Chkd	Appd

The Potteries  
Pottery Street  
Castleford  
WF10 1NJ

Tel: +44(0)1977 878007  
Email: info@rsk.co.uk  
Web: www.rsk.co.uk

Client  
**Turner and Townsend**

Project Name  
**Co-Op Academy Smithies Moor**

Description  
**Conceptual Site Model**

Project ID	Drawing no.	Revision
350555	15201	C01

File name  
**350555-CS-152-SS-D-C-15201-C01**

Dimensions	Scale	Size
m	NTS	A3



# APPENDICES

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## **APPENDIX A SERVICE CONSTRAINTS**

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1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Turner and Townsend (the "Client") in accordance with the terms of a contract between RSK and the Client. The Services were performed by RSK with the reasonable skill and care ordinarily exercised by an environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the Client.
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4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the Client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the Client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off site of asbestos, invasive plants, electromagnetic fields, lead paint, heavy metals, radon gas, persistent, bioaccumulative or toxic chemicals (including PFAS/PFOS) or other radioactive or hazardous materials, unless specifically identified in the Services.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a visual inspection of the site together with RSK's interpretation of information, including documentation, obtained from third parties and from the Client on the history and usage of the site, unless specifically identified in the Services or accreditation system (such as UKAS ISO 17020:2012 clause 7.1.6):
  - a. The Services were based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely.
  - b. The Services were limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the visual inspection.

- c. The Services did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services.

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8. The intrusive environmental site investigation aspects of the Services are a limited sampling of the site at pre-determined locations based on the known historic / operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the properties of the materials adjacent and local conditions, together with the position of any current structures and underground utilities and facilities, and natural and other activities on site. In addition, chemical analysis was carried out for a limited number of parameters (as stipulated in the scope between the client and RSK, based on an understanding of the available operational and historical information) and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (intrusive and sample locations etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.
10. The comments given in this report and the opinions expressed are based on the ground conditions encountered during the site work and on the results of tests made in the field and in the laboratory. However, there may be conditions pertaining to the site that have not been disclosed by the investigation and therefore could not be taken into account. In particular, it should be noted that there may be areas of made ground not detected due to the limited nature of the investigation or the thickness and quality of made ground across the site may be variable. In addition, groundwater levels and ground gas concentrations and flows, may vary from those reported due to seasonal, or other, effects and the limitations stated in the data should be recognised.
11. Asbestos is often observed to be present in soils in discrete areas. Whilst asbestos-containing materials may have been locally encountered during the fieldworks or supporting laboratory analysis, the history of brownfield and demolition sites indicates that asbestos fibres may be present more widely in soils and aggregates, which could be encountered during more extensive ground works.
12. Unless stated otherwise, only preliminary geotechnical recommendations are presented in this report and these should be verified in a Geotechnical Design Report, once proposed construction and structural design proposals are confirmed.

## **APPENDIX B SUMMARY OF LEGISLATION AND POLICY RELATING TO LAND CONTAMINATION**

---

### **Part IIA of the Environmental Protection Act 1990**

Part IIA of the Environmental Protection Act 1990 (Part IIA) and its associated Contaminated Land Regulations 2000 (SI 2000/227), which came into force in England on 1 April 2000, formed the basis for the current regulatory framework and the statutory regime for the identification and remediation of contaminated land. Part IIA of the EPA 1990 defines contaminated land as 'any land which appears to the Local Authority in whose area it is situated to be in such a condition by reason of substances in, on or under the land, that significant harm is being caused, or that there is significant possibility of significant harm being caused, or that pollution of controlled waters is being or is likely to be caused'. Controlled waters are considered to include all groundwater, inland waters and estuaries.

In August 2006, the Contaminated Land (England) Regulations 2006 (SI 2006/1380) were implemented, which extended the statutory regime to include Part IIA of the EPA as originally introduced on 1 April 2000, together with changes intended chiefly to address land that is contaminated by virtue of radioactivity. These have been replaced subsequently by the Contaminated Land (England) (Amendment) Regulations 2012, which now exclude land that is contaminated by virtue of radioactivity.

The intention of Part IIA is to deal with contaminated land issues that are considered to cause significant harm on land that is not undergoing development (see Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance, April 2012). This document replaces Annex III of Defra Circular 01/2006, published in September 2006 (the remainder of this document is now obsolete).

### **Planning Policy**

Contaminated land is often dealt with through planning because of land redevelopment. This approach was documented in Planning Policy Statement: Planning and Pollution Control PPS23, which states that it remains the responsibility of the landowner and developer to identify land affected by contamination and carry out sufficient remediation to render the land suitable for use. PPS23 was withdrawn early in 2012 and has been replaced by much reduced guidance within the National Planning Policy Framework (NPPF), reference ISBN: 978-1-5286-1033-9, February 2019.

The new framework has only limited guidance on contaminated land, as follows:

#### **Chapter 11. Making effective use of land**

- 117 Planning policies and decisions should promote an effective use of land in meeting the need for homes and other uses, while safeguarding and improving the environment and ensuring safe and healthy living conditions. Strategic policies should set out a clear strategy for accommodating objectively assessed needs, in a way that makes as much use as possible of previously developed or 'brownfield' land.
118. Planning policies and decisions should:
- c) give substantial weight to the value of using suitable brownfield land within settlements for homes and other identified needs, and support appropriate opportunities to remediate despoiled, degraded, derelict, contaminated or unstable land.

## **Chapter 15. Conserving and enhancing the natural environment**

170. Planning policies and decisions should contribute to and enhance the natural and local environment by:

e) preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, taking into account relevant information such as river basin management plans; and

f) remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land, where appropriate.

### **Ground conditions and pollution**

178. Planning policies and decisions should ensure that:

a) a site is suitable for its proposed use taking account of ground conditions and any risks arising from land instability and contamination. This includes risks arising from natural hazards or former activities such as mining, and any proposals for mitigation including land remediation (as well as potential impacts on the natural environment arising from that remediation);

b) after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990; and

c) adequate site investigation information, prepared by a competent person, is available to inform these assessments.

179. Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rests with the developer and/or landowner.

## **Water Resources Act (WRA)**

The Water Resources Act 1991 (Amendment) (England and Wales) Regulations 2009 updated the Water Resources Act 1991, which introduced the offence of causing or knowingly permitting pollution of controlled waters. The Act provides the Environment Agency with powers to implement remediation necessary to protect controlled waters and recover all reasonable costs of doing so.

## **Water Framework Directive (WFD)**

The Water Framework Directive 2000/60/EC is designed to:

- enhance the status and prevent further deterioration of aquatic ecosystems and associated wetlands that depend on the aquatic ecosystems
- promote the sustainable use of water
- reduce pollution of water, especially by 'priority' and 'priority hazardous' substances
- ensure progressive reduction of groundwater pollution.

The WFD requires a management plan for each river basin be developed every six years.

## **Groundwater Directive (GWD)**

The 1980 Groundwater Directive 80/68/EEC and the 2006 Groundwater Daughter Directive 2006/118/EC of the WFD are the main European legislation in place to protect groundwater. The 1980 Directive is due to be repealed in December 2013. The European legislation has been transposed into national legislation by regulations and directions to the Environment Agency.

## **Priority Substances Directive (PSD)**

The Priority Substances Directive 2008/105/EC is a 'Daughter' Directive of the WFD, which sets out a priority list of substances posing a threat to or via the aquatic environment. The PSD establishes environmental quality standards for priority substances, which have been set at concentrations that are safe for the aquatic environment and for human health. In addition, there is a further aim of reducing (or eliminating) pollution of surface water (rivers, lakes, estuaries and coastal waters) by pollutants on the list. The WFD requires that countries establish a list of dangerous substances that are being discharged and EQS for them. In England and Wales, this list is provided in the River Basin Districts Typology, Standards and Groundwater threshold values (Water Framework Directive) (England and Wales) Directions 2010. In order to achieve the objectives of the WFD, classification schemes are used to describe where the water environment is of good quality and where it may require improvement.

### Environmental Permitting Regulations (EPR)

The Environmental Permitting (England and Wales) Regulations 2016 (as amended) provide a single regulatory framework that streamlines and integrates waste management licensing, pollution prevention and control, water discharge consenting, groundwater authorisations, and radioactive substances regulation. Schedule 22, paragraph 6 of EPR 2016 states: 'the regulator must, in exercising its relevant functions, take all necessary measures - (a) to prevent the input of any hazardous substance to groundwater; and (b) to limit the input of non-hazardous pollutants to groundwater so as to ensure that such inputs do not cause pollution of groundwater.'

### Notes:

1. *The above information is provided for background but does not constitute site-specific advice*
2. *The above summary applies to England only. Variations exist within other countries of the United Kingdom*



## **APPENDIX C ENVIRONMENTAL DATABASE REPORT**

---



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

302714435\_1\_1

**Customer Reference:**

350555

**National Grid Reference:**

422080, 424950

**Slice:**

A

**Site Area (Ha):**

0.89

**Search Buffer (m):**

1000

#### Site Details:

Co-Op Academy Smithies Moor, Leeds Old  
Road  
HECKMONDWIKE  
WF16 9BB

#### Client Details:

Mr M Brannock  
RSK Environment Ltd  
Spring Lodge  
172 Chester Road  
Helsby  
Cheshire  
WA6 0AR

Report Section	Page Number
Summary	-
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Waste	20
Hazardous Substances	22
Geological	23
Industrial Land Use	28
Sensitive Land Use	39
Data Currency	40
Data Suppliers	45
Useful Contacts	46

## Introduction

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

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## Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				9
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		2		9
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5	Yes			
Pollution Incidents to Controlled Waters	pg 5		1		38
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Registered Radioactive Substances					
River Quality	pg 12				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 12			1	
Water Abstractions	pg 12				9 (*7)
Water Industry Act Referrals	pg 16			1	
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 17			2	22

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 20				3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 20	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 20				2
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)	pg 22				3
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents	pg 22				3
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 23		1	2	15
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 26	Yes	n/a	n/a	n/a
Mining Instability	pg 26	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 28		10	4	108
Fuel Station Entries	pg 38				2
Gas Pipelines					
Underground Electrical Cables					
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt	pg 39		1		
Areas of Unadopted Green Belt	pg 39		1		
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 39		1		
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	422078 425000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (NE)	0	1	422078 424951
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	267	1	422400 424951
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	291	1	421800 425150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	316	1	422200 425300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	383	1	422250 425350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	427	1	422250 425400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	438	1	422350 425350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	443	1	422150 425450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	451	1	422300 425400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	455	1	422200 425450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	479	1	422350 425400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	500	1	421650 424600
1	<b>Discharge Consents</b> Operator: R.M.C Mortars Ltd, Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE Location: Rmc Ltd Birstall Concrete Batching, Plant Smithies Moor Lane Batley, Wf17 9ar Authority: Environment Agency, North East Region Catchment Area: Calder Reference: 1173 Permit Version: 1 Effective Date: 1st June 1960 Issued Date: 1st June 1960 Revocation Date: 7th February 1992 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Batley Beck <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b> Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	834	2	422420 425770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Smithies Moor Lane, Birstall Cso Smithies Moor Lane (Adj Factory), Birstall, Batley, West Yorkshire</p> <p>Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wra8672  Permit Version: 2  Effective Date: 3rd March 2010  Issued Date: 3rd March 2010  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	851	2	422510 425740
2	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Smithies Moor Lane, Birstall Cso Smithies Moor Lane (Adj Factory), Birstall, Batley, West Yorkshire</p> <p>Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wra8672  Permit Version: 1  Effective Date: 1st April 2005  Issued Date: 11th March 2005  Revocation Date: 2nd March 2010  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	851	2	422510 425740
3	<p><b>Discharge Consents</b></p> <p>Operator: Ppg Architectural Coatings Uk Limited  Property Type: MAKING OF CHEMICALS + CHEMICAL PRODUCTS  Location: Kalon Group Limited Park Mills, Huddersfield Road, Birstall, West Yorkshire</p> <p>Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wra7382  Permit Version: 2  Effective Date: 3rd August 1999  Issued Date: 3rd August 1999  Revocation Date: 17th September 2009  Discharge Type: Trade Discharge - Process Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Birstall Beck  <b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	868	2	422600 425700
3	<p><b>Discharge Consents</b></p> <p>Operator: Kalon Group Ltd  Property Type: MAKING OF CHEMICALS + CHEMICAL PRODUCTS  Location: Kalon Group Limited Park Mills, Huddersfield Road, Birstall, West Yorkshire</p> <p>Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wra7382  Permit Version: 1  Effective Date: 12th January 1998  Issued Date: 12th January 1998  Revocation Date: 2nd August 1999  Discharge Type: Trade Discharge - Process Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Birstall Beck  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	868	2	422600 425700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: Batley Borough Council  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Dalton Green Lane Cso, O/S 173 Dalton Green Lane, Huddersfield, West Yorkshire, Hd5 9ts  Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: S/B/34  Permit Version: 1  Effective Date: 31st May 1963  Issued Date: 31st May 1963  Revocation Date: 10th June 1993  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: River Calder  <b>Status:</b> <b>Transferred from Rivers (Prevention of Pollution) Act 1951-1961</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	868	2	422390 425820
4	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY)  Location: Birstall Cso Bradford Road, Opposite The Coopers Arms, Batley, West Yorkshire, Wf17 9pr  Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wa6377  Permit Version: 2  Effective Date: 31st March 2005  Issued Date: 16th March 2005  Revocation Date: 19th November 2017  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	870	2	422370 425830
4	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY)  Location: Birstall Cso Bradford Road, Opposite The Coopers Arms, Batley, West Yorkshire, Wf17 9pr  Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wa6377  Permit Version: 1  Effective Date: 11th June 1991  Issued Date: 11th June 1991  Revocation Date: 30th March 2005  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status:</b> <b>Transferred from Water Act 1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	870	2	422370 425830
4	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY)  Location: Birstall Cso Bradford Road, Opposite The Coopers Arms, Batley, West Yorkshire, Wf17 9pr  Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wa6377  Permit Version: 3  Effective Date: 20th November 2017  Issued Date: 20th November 2017  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status:</b> <b>Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	871	2	422372 425830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Whitehall Service Station            Location: 159 Leeds Old Road, Heckmondwicke, WF16 9BB            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: PPC E 144            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SW (W)	77	3	421947 424921
5	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Firth'S Garage            Location: 158 Leeds Road, HECKMONDWIKE, West Yorkshire, WF16 9BJ            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: Ppc E 8            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13NW (W)	103	3	421913 424956
6	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Adamsons            Location: Smithies Service Station, Huddersfield Road, Birsta            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: PPC E 104            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/14 Petrol filling station  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	688	3	422298 425662
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Ppg Architectual Coatings Uk Ltd            Location: Huddersfield Road, Birstall, BATLEY, West Yorkshire, WF17 9XA            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: Ppc E 56            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/10 Coating manufacturing  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	688	3	422200 425690
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Kalon Decorative Products See End            Location: Huddersfield Road, BATLEY, West Yorkshire, WF17 9XA            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: Not Given            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG6/11 Manufacture of printing ink  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	694	3	422205 425695
8	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Cemex Materials Uk Ltd            Location: Smithies Moor Lane, Birstall, BATLEY, West Yorkshire, WF17 9AT            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: Ppc E 30            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	821	3	422423 425754
9	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Cousens And Johnson            Location: Lea Road, Biford Road West, , BATLEY, West Yorkshire            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: NOT GIVEN            Dated: 27th March 1992            Process Type: Local Authority Air Pollution Control            Description: PG2/4 Iron, steel and non-ferrous metal foundry processes  <b>Status: Not Supplied</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19SW (NE)	853	3	422744 425562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Cousin And Johnson            Location: Lea Road, Bradford Road West, BATLEY, WF17 8BB            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: Not Given            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap  <b>Status: Authorisation revoked</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19SE (NE)	874	3	422757 425579
10	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Motosave Ltd            Location: Unit 14, 851 Wilton Industrial Court, Bradford Road, Batley, West Yorkshire, WF17 8NN            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: Ppc E 72            Dated: Not Supplied            Process Type: Local Authority Air Pollution Control            Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input  <b>Status: Not Supplied</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	903	3	422669 425694
11	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Tw Mercedes            Location: Lea Road, Batley, Wf17 8bb            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: PPC E 159            Dated: Not Supplied            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input  <b>Status: Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NE (NE)	923	3	422774 425632
11	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Cousin And Johnson            Location: Lea Road, Bradford Road West, BATLEY, WF17 8BB            Authority: Kirklees Metropolitan Borough Council, Environmental Health Department            Permit Reference: Not Given            Dated: 29th March 1993            Process Type: Local Authority Air Pollution Control            Description: PG2/4 Iron, steel and non-ferrous metal foundry processes  <b>Status: Authorised</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NE (NE)	959	3	422802 425655
	<b>Nearest Surface Water Feature</b>	A13NE (N)	0	-	422075 425001
12	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Foul Sewer            Location: Mouth/Todmorden Calder AfI            Authority: Environment Agency, North East Region            Pollutant: Unknown Sewage            Note: Not Supplied            Incident Date: 19th October 1990            Incident Reference: 115964            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13NE (E)	76	2	422201 425001
13	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Industrial Premises            Location: Scotia Beck/Source Batley Beck Afu            Authority: Environment Agency, North East Region            Pollutant: Not Given            Note: Not Supplied            Incident Date: 8th November 1993            Incident Reference: 148649            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	724	2	422300 425700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Smithies Moor Lane Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 6th February 1989 Incident Reference: 8534 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	725	2	422500 425595
14	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Smithies Moor Lane Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 6th February 1989 Incident Reference: 8579 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	728	2	422505 425595
14	<b>Pollution Incidents to Controlled Waters</b> Property Type: Miscellaneous Premises: Unknown Location: Smithies Moor Lane Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 3rd February 1989 Incident Reference: 8517 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	729	2	422500 425600
15	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 8th October 1990 Incident Reference: 115522 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	782	2	422600 425595
15	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Industrial Effluent Note: Not Supplied Incident Date: 2nd October 1990 Incident Reference: 115597 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	785	2	422605 425595
15	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 8th October 1990 Incident Reference: 115571 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	786	2	422600 425600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Industrial Premises            Location: Mouth/Scotia Beck Batley Beck Afl            Authority: Environment Agency, North East Region            Pollutant: Chemicals - Solvents            Note: Not Supplied            Incident Date: 2nd April 1991            Incident Reference: 121090            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	796	2	422200 425800
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Industrial Premises            Location: Scotia Beck/Source Batley Beck Afu            Authority: Environment Agency, North East Region            Pollutant: Industrial Effluent            Note: Not Supplied            Incident Date: 4th June 1990            Incident Reference: 111246            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	808	2	422500 425695
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Foul Sewer            Location: Scotia Beck/Source Batley Beck Afu            Authority: Environment Agency, North East Region            Pollutant: Unknown Sewage            Note: Not Supplied            Incident Date: 30th May 1990            Incident Reference: 111086            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	810	2	422505 425695
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Industrial: Other            Location: Batley Beck            Authority: Environment Agency, North East Region            Pollutant: Unknown            Note: Fish Killed: No Information            Incident Date: 15th March 1995            Incident Reference: SL950383            Catchment Area: Aire Tributaries            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	812	2	422500 425700
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Foul Sewer            Location: Mouth/Todmorden Calder Afl            Authority: Environment Agency, North East Region            Pollutant: Unknown Sewage            Note: Not Supplied            Incident Date: 5th June 1990            Incident Reference: 111265            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	815	2	422505 425700
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Industrial: Other            Location: Batley Beck, Smithies Moor Lane            Authority: Environment Agency, North East Region            Pollutant: Miscellaneous - Inert Suspended Solids            Note: Batley Beck; Fish Killed: No Information            Incident Date: Not Supplied            Incident Reference: SL981057            Catchment Area: Calder Tributaries            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	819	2	422505 425705

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial: Other Location: Kalon, BIRSTALL Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Pollution Found; No Fish Killed Incident Date: 24th April 1996 Incident Reference: SL960319 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	814	2	422300 425795
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial: Other Location: Kalon, BIRSTALL Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: No Fish Killed Incident Date: 24th April 1996 Incident Reference: SL960319 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	816	2	422305 425795
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 1st February 1994 Incident Reference: 149807 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	819	2	422300 425800
18	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 12th October 1989 Incident Reference: 104202 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	821	2	422305 425800
19	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Surface Water Outfall Location: Westfield Road, Allotments (Un-Named Stream) Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: Pollution Found; Fish Killed: No Information Incident Date: Not Supplied Incident Reference: SL961253 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	820	2	421500 424300
19	<b>Pollution Incidents to Controlled Waters</b> Property Type: Sewerage: Other Location: Jeremy Lane, Heckmondwyke Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: No Fish Killed Incident Date: 25th August 1997 Incident Reference: SL970861 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	824	2	421500 424295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Scotia Beck/Source Batley Beck Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 26th June 1992 Incident Reference: 134294 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	849	2	422400 425795
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial: Other Location: Bridge Street , BIRSTALL Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Batley Beck; Fish Killed: No Information Incident Date: Not Supplied Incident Reference: SL981063 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	851	2	422405 425795
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Bridge On A62, /Bridge On A643 Batley Beck 08 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 8th February 1990 Incident Reference: 107601 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	854	2	422400 425800
21	<b>Pollution Incidents to Controlled Waters</b> Property Type: Miscellaneous Premises: Unknown Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 15th May 1991 Incident Reference: 122509 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	850	2	422700 425600
22	<b>Pollution Incidents to Controlled Waters</b> Property Type: Highway/Car Park Location: Scotia Beck/Source Batley Beck Afu Authority: Environment Agency, North East Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 31st May 1993 Incident Reference: 144783 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	854	2	422800 425500
23	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Industrial Effluent Note: Not Supplied Incident Date: 9th January 1991 Incident Reference: 118701 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	867	2	422605 425695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: River Spen, Knowler Hill Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: Pollution Found; No Fish Killed Incident Date: 21st January 1996 Incident Reference: SL960037 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	888	2	421400 424300
24	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other General Premises Location: Knowler Hill Authority: Environment Agency, North East Region Pollutant: Chemicals - Detergents/Surfactant Note: No Fish Killed Incident Date: 21st January 1996 Incident Reference: SL960037 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	891	2	421400 424295
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other General Premises Location: Gelderd Road Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 20th January 1989 Incident Reference: 8489 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	893	2	422500 425795
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Miscellaneous Premises: Unknown Location: Scotia Beck/Source Batley Beck Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 29th November 1990 Incident Reference: 117596 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	896	2	422505 425795
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Gomersal/Source Spen Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 30th June 1994 Incident Reference: 152433 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	898	2	422500 425800
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afu Authority: Environment Agency, North East Region Pollutant: Contaminated Groundwater Note: Not Supplied Incident Date: 12th March 1991 Incident Reference: 120569 Catchment Area: Not Given Receiving Water: Groundwater Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	900	2	422505 425800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 19th November 1991 Incident Reference: 128324 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	905	2	422505 425805
26	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other General Premises Location: Carr Mills, BIRSTALL Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: Batley Beck; No Fish Killed Incident Date: 2nd December 1998 Incident Reference: SL981087 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	911	2	422300 425895
26	<b>Pollution Incidents to Controlled Waters</b> Property Type: Construction/Demolition Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Rubble/Litter Or Solids Note: Not Supplied Incident Date: 15th May 1991 Incident Reference: 122337 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	915	2	422300 425900
27	<b>Pollution Incidents to Controlled Waters</b> Property Type: Miscellaneous Premises: Unknown Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 18th April 1991 Incident Reference: 121554 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	926	2	422700 425700
28	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Vehicle Washings And De Waxing Note: Not Supplied Incident Date: 15th October 1990 Incident Reference: 115835 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	942	2	422400 425895
28	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Bridge On A62, /Bridge On A643 Batley Beck 08 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 30th January 1990 Incident Reference: 107278 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	946	2	422400 425900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Foul Sewer            Location: Aire Mouth/Gargrave Aire Afl            Authority: Environment Agency, North East Region            Pollutant: Unknown Sewage            Note: Not Supplied            Incident Date: 11th March 1990            Incident Reference: 108586            Catchment Area: Not Given            Receiving Water: Freshwater Stream/River            Cause of Incident: Not Given            Incident Severity: Category 1 - Major Incident            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	986	2	422500 425900
	<p><b>River Quality</b></p> <p>Name: Batley_Beck            GQA Grade: River Quality D            Reach: Gomersal_Lady_Ann_Bec            Estimated Distance (km): 5            Flow Rate: Flow less than 0.31 cumecs            Flow Type: River            Year: 2000</p>	A19NW (NE)	794	2	422491 425685
30	<p><b>Substantiated Pollution Incident Register</b></p> <p>Authority: Environment Agency - North East Region, Yorkshire Area            Incident Date: 16th October 2006            Incident Reference: 443773            Water Impact: Category 4 - No Impact            Air Impact: Category 4 - No Impact            Land Impact: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 10m            Pollutant: Specific Waste Materials: Contaminated Construction &amp; Demolition Material &amp; Waste</p>	A14NW (E)	465	2	422597 424989
31	<p><b>Water Abstractions</b></p> <p>Operator: Sigmakalon Uk Ltd            Licence Number: 2/27/13/220            Permit Version: 1            Location: Borehole - Coal Measures - Batley            Authority: Environment Agency, North East Region            Abstraction: Chemicals: General Use (Medium Loss)            Abstraction Type: Water may be abstracted from a single point            Source: Groundwater            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Birstall Smithies, Batley, Leeds            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 1st January 2007            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	704	2	422230 425700
31	<p><b>Water Abstractions</b></p> <p>Operator: Sigmakalon Uk Ltd            Licence Number: 2/27/13/190            Permit Version: 103            Location: Borehole - Coal Measures - Batley            Authority: Environment Agency, North East Region            Abstraction: Chemicals: General Use (High Loss)            Abstraction Type: Water may be abstracted from a single point            Source: Groundwater            Daily Rate (m3): Not Supplied            Yearly Rate (m3): Not Supplied            Details: Birstall Smithies, Batley, Leeds            Authorised Start: 01 January            Authorised End: 31 December            Permit Start Date: 13th March 2006            Permit End Date: Not Supplied            Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	704	2	422230 425700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<p><b>Water Abstractions</b></p> <p>Operator: Kalon Ltd  Licence Number: 2/27/13/190  Permit Version: 102  Location: Borehole - Coal Measures - Batley  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (High Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Birstall Smithies, Batley, Leeds  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 2nd January 2003  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	704	2	422230 425700
31	<p><b>Water Abstractions</b></p> <p>Operator: Kalon Ltd  Licence Number: 2/27/13/190  Permit Version: 101  Location: Borehole - Coal Measures - Batley  Authority: Environment Agency, North East Region  Abstraction: Chemicals: General Use (High Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Birstall Smithies, Batley, Leeds  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 11th January 2001  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	704	2	422230 425700
31	<p><b>Water Abstractions</b></p> <p>Operator: Kalon Group Limited  Licence Number: 2/27/13/190  Permit Version: 100  Location: Borehole  Authority: Environment Agency, North East Region  Abstraction: Other Industrial/Commercial/Public Services: General Use (High Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): 160  Yearly Rate (m3): 40000  Details: Birstall Smithies, Batley, Leeds  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 30th April 1997  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	704	2	422230 425700
32	<p><b>Water Abstractions</b></p> <p>Operator: Kalon Ltd  Licence Number: 2/27/13/159  Permit Version: Not Supplied  Location: Location Description Not Available  Authority: Environment Agency, North East Region  Abstraction: General Industrial  Abstraction Type: Not Supplied  Source: Groundwater  Daily Rate (m3): 818  Yearly Rate (m3): 211380  Details: Licence Revoked  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	796	2	421900 425795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	<p><b>Water Abstractions</b></p> <p>Operator: Birstall Carpet Company Limited  Licence Number: 2/27/13/137  Permit Version: Not Supplied  Location: Location Description Not Available  Authority: Environment Agency, North East Region  Abstraction: Cooling/Gen Ind.  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 1037  Yearly Rate (m3): 228400  Details: Licence Revoked  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A18NW (N)	801	2	421900 425800
33	<p><b>Water Abstractions</b></p> <p>Operator: Moss Metal Finishing Limited  Licence Number: 2/27/13/027  Permit Version: 101  Location: Well - Coal Measures - Birstall  Authority: Environment Agency, North East Region  Abstraction: Metal: General Use Relating To Secondary Category (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Providence Mill, Smithies Moor Lane, Birstall, Nr. Leeds  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 18th April 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	868	2	422600 425700
33	<p><b>Water Abstractions</b></p> <p>Operator: Roundhay Metal Finishers (Leeds) Ltd  Licence Number: 2/27/13/027  Permit Version: 100  Location: Well - Coal Measures - Birstall  Authority: Environment Agency, North East Region  Abstraction: Metal: General Use Relating To Secondary Category (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): 123  Yearly Rate (m3): 36823  Details: Providence Mill, Smithies Moor Lane, Birstall, Nr. Leeds  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 14th December 1965  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	868	2	422600 425700
	<p><b>Water Abstractions</b></p> <p>Operator: Firth Furnishings Ltd  Licence Number: 2/27/13/094  Permit Version: Not Supplied  Location: Location Description Not Available  Authority: Environment Agency, North East Region  Abstraction: Cooling  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 9387  Yearly Rate (m3): 2500300  Details: Licence Revoked  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A2NW (SW)	1424	2	421300 423700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Thomas Carr Ltd  Licence Number: 2/27/13/193  Permit Version: 100  Location: Borehole - Coal Measures - Staincliffe Dewsbury  Authority: Environment Agency, North East Region  Abstraction: Textiles And Leather: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Highfield Mills, Staincliffe, Dewsbury  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 4th March 1998  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A4SW (S)	1587	2	422650 423400
	<p><b>Water Abstractions</b></p> <p>Operator: Thomas Carr Ltd  Licence Number: 2/27/13/193  Permit Version: 100  Location: Borehole - Coal Measures - Staincliffe Dewsbury  Authority: Environment Agency, North East Region  Abstraction: Textiles And Leather: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): 500  Yearly Rate (m3): 120000  Details: Highfield Mills, Staincliffe, Dewsbury  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 4th March 1998  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	(S)	1753	2	422750 423260
	<p><b>Water Abstractions</b></p> <p>Operator: Asprey Chemicals Limited  Licence Number: 2/27/13/165  Permit Version: Not Supplied  Location: 507 Bradford Road, BATLEY, West Yorkshire  Authority: Environment Agency, North East Region  Abstraction: Cooling  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 68  Yearly Rate (m3): 25000  Details: Not Supplied  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	(E)	1782	2	423900 424700
	<p><b>Water Abstractions</b></p> <p>Operator: J R Burrows  Licence Number: 2/27/13/016  Permit Version: Not Supplied  Location: Carlinghow Mills, BATLEY, West Yorkshire  Authority: Environment Agency, North East Region  Abstraction: General Industrial  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 227  Yearly Rate (m3): 54552  Details: Licence Status: Revoked  Authorised Start: Not Supplied  Authorised End: Not Supplied  Permit Start Date: Not Supplied  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	(E)	1787	2	423905 424695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Gomersal Mills Ltd Licence Number: 2/27/13/001 Permit Version: 101 Location: Boreholes X 2 - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gomersal Mills, Nr. Leeds Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1900	2	420500 426100
	<b>Water Abstractions</b> Operator: Gomersal Mills Ltd Licence Number: 2/27/13/001 Permit Version: 100 Location: Boreholes X 2 Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1364 Yearly Rate (m3): 350000 Details: Gomersal Mills, Nr. Leeds Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th February 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1900	2	420500 426100
34	<b>Water Industry Act Referrals</b> Name: Moss Metal Finishing Ltd Location: MOSS METAL FINISHING LTD, UNITS 9/14, BRIGHOUSE ROAD, BROWMILLS IND EST, HIPPERHOLME, HALIFAX, WEST YORKSHIRE, HX3 8EF Authority: Environment Agency, North East Region Permit Reference: AI0128 Dated: 25th February 1993 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations <b>Status: Application cancelled</b> Positional Accuracy: Manually positioned to the address or location	A14SW (E)	416	2	422539 424837
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NE (N)	0	4	422078 425000
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (NE)	0	4	422078 424951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13SE (NE)	0	4	422078 424951
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13NE (N)	0	4	422078 425000
	<b>Superficial Aquifer Designations</b> No Data Available				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 256.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (NE)	322	5	422227 425293
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 365.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14NW (E)	451	5	422583 425001
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 87.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (NE)	576	5	422356 425512
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19SW (NE)	593	5	422422 425489
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 114.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SW (NW)	625	5	421805 425585
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 204.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19SW (NE)	634	5	422442 425524

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 115.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	667	5	421891 425660
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 419.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	678	5	421999 425691
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	694	5	421330 424850
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 30.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	705	5	421323 424825
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 181.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14NE (E)	760	5	422893 424976
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 132.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	821	5	422540 425684
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 194.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	832	5	422587 425668
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 34.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	833	5	422421 425768
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	833	5	422411 425773

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.4 Watercourse Level: Underground Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	837	5	422457 425755
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	837	5	422457 425755
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: Underground Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	838	5	422452 425758
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 303.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	863	5	422371 425822
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19SE (NE)	869	5	422751 425578
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 207.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A19SE (NE)	869	5	422751 425578
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 381.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	925	5	423058 424922
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 145.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A17NE (NW)	949	5	421582 425833
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 192.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Smithies Beck Catchment Name: Aire and Calder Primacy: 1	A23SE (N)	990	5	422133 426003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Brian Gill (Excavations) Limited            Location: Off White Lee Road, Batley            Name: Jail Road            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD04203            First Input Date: 31st December 1980            Last Input Date: 31st December 1984            Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 4700/0783            BGS Ref: Not Supplied            Other Ref: 4700/0244</p>	A9SW (SE)	756	2	422536 424270
60	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Not Supplied            Location: Carlinghow, Batley            Name: Chaster Street            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD35072            First Input Date: Not Supplied            Last Input Date: Not Supplied            Specified Waste: Deposited Waste included Inert and Commercial Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: Not Supplied            BGS Ref: Not Supplied            Other Ref: Not Supplied</p>	A14SE (E)	925	2	423043 424763
61	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: North East Gas            Location: Bradford Road, Birstall            Name: Birstall Holder Station            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD04208            First Input Date: 1st January 1974            Last Input Date: 5th April 1979            Specified Waste: Deposited Waste included Inert and Commercial Waste            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: 4700/0768            BGS Ref: Not Supplied            Other Ref: 4700/0080</p>	A19NW (NE)	957	2	422578 425822
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Kirklees Metropolitan Borough Council            - Has not been able to supply Landfill data</p>		0	6	422078 424951
62	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Brian Gill (Excavations) Ltd            Licence Reference: 244            Site Location: Jail Road, Off White Lee Road, Batley, West Yorkshire            Licence Easting: Not Supplied            Licence Northing: Not Supplied            Operator Location: Progress Works, Hall Lane, BRADFORD, West Yorkshire, BD4 7DT            Authority: Environment Agency - North East Region, Ridings Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 11th March 1981            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: Moderate            Authorised Waste: Com. + Ind. Inert Waste            Construction And Demolition Wastes            Excavated Natural Materials \$            Prohibited Waste: Flammable Waste            Poisonous, Noxious, Polluting Wastes</p>	A9SW (SE)	758	2	422548 424277

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Negas            Licence Reference: 80            Site Location: Holder Station At Bradford Road, Birstall, Batley, West Yorkshire            Licence Easting: 422580            Licence Northing: 425860            Operator Location: New York Road, LEEDS, West Yorkshire, LS2 7PE            Authority: Environment Agency - North East Region, Ridings Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: Waste produced/controlled by licence holder            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 24th August 1977            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Inert,Non-Flam Constr'N/Demol/Excav.Wa</p>	A19NW (NE)	990	2	422580 425860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	<p><b>Control of Major Accident Hazards Sites (COMAH)</b></p> <p>Name: Sigmakalon Ltd            Location: Huddersfield Road, BATLEY, West Yorkshire, WF17 9XA            Reference: 1037375            Type: Upper Tier            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	852	7	422340 425821
64	<p><b>Control of Major Accident Hazards Sites (COMAH)</b></p> <p>Name: Ppg Architectural Coatings Uk Limited            Location: Batley, Huddersfield Road, Batley, Wf17 9xa            Reference: Not Supplied            Type: Lower Tier            Status: <b>Active</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	852	7	422340 425821
65	<p><b>Control of Major Accident Hazards Sites (COMAH)</b></p> <p>Name: Sigmakalon Ltd            Location: Batley, Huddersfield Road, Batley, West Yorkshire, Wf17 9xa            Reference: Not Supplied            Type: Upper Tier            Status: <b>Active</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NE (N)	908	7	422401 425858
66	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Ppg Architectural Coatings            Location: Huddersfield Road, Birstall, Batley, Wf17 9xa            Authority: Kirklees Metropolitan Borough Council, Planning Services            Application Ref: 2011/52/91873/E0            Hazardous Substance: Highly flammable (highly flammable liquids which have a flash point &lt;21C and which are not extremely flammable)            Maximum Quantity: 0            Application date: 12th July 2011            Decision: <b>Deemed Consent Granted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	777	6	422104 425792
67	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Ppg Architectural Coatings            Location: Huddersfield Road, Birstall, Batley, Wf17 9xa            Authority: Kirklees Metropolitan Borough Council, Planning Services            Application Ref: 2009/52/92999/E0            Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not)            Maximum Quantity: 0            Application date: 22nd October 1999            Decision: <b>Deemed Consent Granted</b>            Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	855	6	422132 425868
67	<p><b>Planning Hazardous Substance Consents</b></p> <p>Name: Sigmakalon Ltd            Location: Huddersfield Road, Birstall, Batley, Wf17 9xa            Authority: Kirklees Metropolitan Borough Council, Planning Services            Application Ref: 2006/51/91600/E1            Hazardous Substance: Combination of Dangerous Substances            Maximum Quantity: 6895            Application date: 20th April 2006            Decision: <b>Deemed Consent Granted</b>            Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	868	6	422140 425880

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13SE (NE)	0	1	422078 424951
68	<b>BGS Recorded Mineral Sites</b> Site Name: White Lee Location: White Lee, Batley, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73856 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	222	1	421934 425196
69	<b>BGS Recorded Mineral Sites</b> Site Name: Popeley Fields Quarry Location: Gomersal, Clackheaton, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 243691 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Thornhill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	456	1	421773 425367
70	<b>BGS Recorded Mineral Sites</b> Site Name: Jones Royd Location: Heckmondwike, Heckmondwike, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73734 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	498	1	421593 424687
70	<b>BGS Recorded Mineral Sites</b> Site Name: Jones Royd Location: Heckmondwike, Heckmondwike, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73735 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	536	1	421569 424651
71	<b>BGS Recorded Mineral Sites</b> Site Name: Ridings Wood Location: Birstall Smithies, Batley, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73730 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (N)	520	1	422143 425530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Ridings Wood            Location: Birstall Smithies, Batley, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73731            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	545	1	422124 425557
72	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: High Royd            Location: Heckmondwike, Heckmondwike, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73737            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	542	1	421904 424379
73	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: High Royd Coal Pit            Location: Heckmondwike, Heckmondwike, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 72482            Type: Underground  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	561	1	421985 424338
74	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: White Lee            Location: White Lee, Batley, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73791            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18SW (NW)	610	1	421795 425564
75	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Jones Royd            Location: Heckmondwike, Heckmondwike, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73736            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	650	1	421514 424530
76	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Popeley Fields Quarry            Location: Gomersal, Clackheaton, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 243692            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Thornhill Rock            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A12NW (NW)	689	1	421389 425242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Popely House            Location: Gomersal, Cleckheaton, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 74109            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Thornhill Rock            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A17NE (NW)	790	1	421574 425636
78	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Moor Side Or White Lee House            Location: Birstall Smithies, Batley, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 71982            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Birstall Rock            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A19SE (NE)	811	1	422807 425419
79	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Smithies Bridge            Location: Birstall Smithies, Batley, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73732            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A19NW (NE)	815	1	422470 425722
80	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Forest Hall            Location: Heckmondwike, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73747            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	900	1	421908 424008
81	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Nun Royd            Location: Heckmondwike, Heckmondwike, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73738            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Lower Coal Measures Formation            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	902	1	421547 424163
82	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Carlinghow Quarry            Location: Carlinghow, Leeds, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 260544            Type: Opencast  <b>Status: Ceased</b>            Operator: Unknown Operator            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Emley Rock            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	921	1	423047 425079

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	<b>BGS Recorded Mineral Sites</b> Site Name: Winsley Dale Location: Batley, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 109802 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Birstall Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	998	1	422950 425540
	<b>Coal Mining Affected Areas</b> Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (NE)	0	8	422078 424951
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NE)	0	-	422078 424951
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425000
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425000
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425000
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	169	1	422302 424956
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	181	1	422311 425000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	5	1	422102 425003
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	13	1	422109 425000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	50	1	422137 424854
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	137	1	422018 424769
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	210	1	421947 424728
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	422078 424951
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	422078 425001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Whitehall Service Station            Location: 159, Leeds Old Road, Heckmondwike, West Yorkshire, WF16 9BB            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (W)	77	-	421947 424921
84	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Firth'S Garage            Location: Heckmondwike, WF16 9BJ            Classification: Garage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NW (W)	103	-	421913 424955
84	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C B Autos            Location: 152 Leeds Rd, Heckmondwike, West Yorkshire, WF16 9BJ            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13SW (W)	109	-	421907 424944
85	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C Broadhead            Location: 152, Leeds Road, Heckmondwike, West Yorkshire, WF16 9BJ            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned in the proximity of the address</p>	A13NW (NW)	85	-	421967 425030
85	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Brocklehurst Motor Co            Location: 152, Leeds Road, Heckmondwike, West Yorkshire, WF16 9BJ            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned in the proximity of the address</p>	A13NW (NW)	85	-	421967 425030
86	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: K &amp; M            Location: 248, White Lee Road, Batley, West Yorkshire, WF17 9AJ            Classification: Damp &amp; Dry Rot Control  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NE (N)	98	-	422107 425103
87	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Phoenix Carpet &amp; Upholstery Cleaning            Location: 57, Lawrence Crescent, Heckmondwike, West Yorkshire, WF16 9AZ            Classification: Carpet, Curtain &amp; Upholstery Cleaners  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	170	-	421946 424778
88	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Need A Delivery - Haulage Solutions            Location: White Lee Rd, Batley, West Yorkshire, WF17 8AN            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A13SE (SE)	185	-	422260 424790
89	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Paramite            Location: 233-231 White Lee Rd, Heckmondwike, West Yorkshire, WF16 9BE            Classification: Pest &amp; Vermin Control  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A13NE (N)	189	-	422115 425198
89	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Paramite Ltd            Location: 233, White Lee Road, Heckmondwike, West Yorkshire, WF16 9BE            Classification: Pest &amp; Vermin Control  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NE (N)	190	-	422116 425198
90	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Oven Clean            Location: Carlinghow La, Batley, West Yorkshire, WF17 8DN            Classification: Cleaning Services - Domestic  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A14NW (E)	349	-	422482 424976
91	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Express Ironing Services            Location: 144, Carlinghow Lane, Batley, West Yorkshire, WF17 8DN            Classification: Ironing &amp; Home Laundry Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A14NW (E)	439	-	422572 424968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: J J Wrought Iron Gates &amp; Railings            Location: 2, Hadfield Road, Heckmondwike, West Yorkshire, WF16 9PN            Classification: Wrought Ironwork  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NW (S)	439	-	421939 424475
93	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cleaning Expectations Ltd            Location: 72a, Dale Lane, Heckmondwike, West Yorkshire, WF16 9NU            Classification: Commercial Cleaning Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	458	-	422260 424459
94	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Chipsaway (Wakefield)            Location: Heckmondwike, West Yorkshire, Wf16 9ny            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A8NW (S)	509	-	422061 424382
94	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Nrst            Location: 46, Dale Lane, Heckmondwike, West Yorkshire, WF16 9PA            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	534	-	422089 424356
95	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: L &amp; S Webster            Location: 143, Carlinghow Lane, Batley, West Yorkshire, WF17 8DW            Classification: Electrical Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	540	-	422672 424885
96	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Kalon Decorative Products            Location: Huddersfield Rd, Batley, West Yorkshire, WF17 9XA            Classification: Painting &amp; Decorating Supplies  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A18SE (N)	604	-	422207 425602
97	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Silkon Engineering            Location: Unit 1 Victoria Works, Hollinbank La, Heckmondwike, West Yorkshire, WF16 9NW            Classification: Engineers - General  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A8SE (S)	678	-	422359 424262
98	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Texaco            Location: Smithies Service Station, Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AY            Classification: Petrol Filling Stations  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	690	-	422299 425664
98	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Smithies            Location: Smithies Service Station, Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AY            Classification: Petrol Filling Stations - 24 Hour  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	690	-	422299 425664
98	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Birstall Trade Cars            Location: Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AY            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	697	-	422292 425674
98	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Steve Graves            Location: Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AY            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	697	-	422292 425674

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	<b>Contemporary Trade Directory Entries</b> Name: Kanies Location: 71, White Lee Road, Batley, West Yorkshire, WF17 8AD Classification: Lingerie & Hosiery Manufacturers & Wholesalers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	704	-	422483 424297
100	<b>Contemporary Trade Directory Entries</b> Name: Newsome Printers Ltd Location: Smithies Moor Rise, Batley, West Yorkshire, WF17 8AX Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	711	-	422581 425520
101	<b>Contemporary Trade Directory Entries</b> Name: The Fireplace Factory Location: 62, White Lee Road, Batley, West Yorkshire, WF17 8AD Classification: Fireplaces & Mantelpieces <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A9SW (SE)	728	-	422453 424251
102	<b>Contemporary Trade Directory Entries</b> Name: Ddr Electrical Repairs Location: A, 67, Hollinbank Lane, Heckmondwike, West Yorkshire, WF16 9NW Classification: Washing Machines - Servicing & Repairs <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A8SE (S)	740	-	422384 424205
103	<b>Contemporary Trade Directory Entries</b> Name: Alert Fire Protection Location: 18-20, Little Green Lane, Heckmondwike, West Yorkshire, WF16 9HF Classification: Firefighting Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NE (SW)	743	-	421506 424398
104	<b>Contemporary Trade Directory Entries</b> Name: Arro Print Media Ltd Location: Anderson House, 148, Leeds Road, Heckmondwike, West Yorkshire, WF16 9DQ Classification: Printers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	793	-	421367 424491
105	<b>Contemporary Trade Directory Entries</b> Name: United Plastics Ltd Location: Smithies Moor Rise, Batley, West Yorkshire, WF17 8AX Classification: Plastic Products - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19SW (NE)	797	-	422625 425594
105	<b>Contemporary Trade Directory Entries</b> Name: Dreamcomfort Location: Unit 3, Providence Works, Smithies Moor Lane, Batley, West Yorkshire, WF17 9AR Classification: Bed & Mattress Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	816	-	422604 425634
106	<b>Contemporary Trade Directory Entries</b> Name: Six Lanes End Motor Co Ltd Location: 146, LEEDS ROAD, HECKMONDWIKE, WF16 9DQ Classification: Commercial Vehicle Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	798	-	421362 424489
106	<b>Contemporary Trade Directory Entries</b> Name: The Blind Factory Location: York House, 146, Leeds Road, Heckmondwike, West Yorkshire, WF16 9DQ Classification: Blinds, Awnings & Canopies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	798	-	421362 424488
106	<b>Contemporary Trade Directory Entries</b> Name: Tyre Market Ltd Location: 142, Leeds Road, HECKMONDWIKE, West Yorkshire, WF16 9DQ Classification: Tyre Dealers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A7NW (SW)	845	-	421330 424452

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: D C Waste Management Ltd            Location: Moorfield Mills, Chapel Lane, Heckmondwike, West Yorkshire, WF16 9JU            Classification: Recycling Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	810	-	422127 424080
107	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Spen Vale Motor Services            Location: Chapel Lane, HECKMONDWIKE, West Yorkshire, WF16 9JU            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	810	-	422127 424080
107	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: E Schofield &amp; Sons            Location: Chapel Lane, HECKMONDWIKE, West Yorkshire, WF16 9JU            Classification: Sheet Metal Work  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	810	-	422127 424080
107	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Panel Match            Location: Chapel Lane, Heckmondwike, West Yorkshire, WF16 9JU            Classification: Car Body Repairs  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	810	-	422127 424080
107	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Darpak Packaging Systems            Location: Moorfield Mills, Chapel Lane, Heckmondwike, West Yorkshire, WF16 9JU            Classification: Engineering Machine Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	810	-	422127 424080
108	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Kwik Fit            Location: Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AY            Classification: Tyre Dealers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	814	-	422377 425766
108	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Birstall Motor Village            Location: Huddersfield Road, Birstall, BATLEY, West Yorkshire, WF17 9AY            Classification: Car Dealers - Used  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	844	-	422386 425796
109	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cemex Ltd            Location: Bridge St, Birstall, Batley, West Yorkshire, WF17 9AU            Classification: Concrete &amp; Mortar Ready Mixed  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	817	-	422434 425744
109	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Brick Products Ltd            Location: The Brick &amp; Stone Yard, Bridge St, Birstall, Batley, West Yorkshire, WF17 9AU            Classification: Brick Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	828	-	422440 425753
109	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ex Fleet Van Sales Ltd            Location: 11, SMITHIES MOOR LANE, BIRSTALL, BATLEY, WF17 9AT            Classification: Commercial Vehicle Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	830	-	422486 425730
109	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: H Griffiths            Location: 5, Bridge Street, Birstall, Batley, West Yorkshire, WF17 9AU            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	832	-	422451 425752
110	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Polypipe Ventilation            Location: Lea Mills, Lea Road, Batley, West Yorkshire, WF17 8BB            Classification: Sheet Metal Work  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	833	-	422689 425587

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	<b>Contemporary Trade Directory Entries</b> Name: T W Mercedes Commercials Ltd Location: Lea Mills, Lea Road, Batley, WF17 8BB Classification: Garage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A19SW (NE)	833	-	422689 425587
110	<b>Contemporary Trade Directory Entries</b> Name: Silavent Location: Lea Mills, Lea Road, Batley, West Yorkshire, WF17 8BB Classification: Ventilators & Ventilation Systems <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19SW (NE)	833	-	422689 425587
111	<b>Contemporary Trade Directory Entries</b> Name: Kalon Export Division Location: Huddersfield Road, Batley, West Yorkshire, WF17 9XA Classification: Paint Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	852	-	422340 425821
111	<b>Contemporary Trade Directory Entries</b> Name: Johnstone'S Location: HUDDERSFIELD ROAD, BIRSTALL, BATLEY, WF17 9XA Classification: Paint Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	852	-	422340 425821
111	<b>Contemporary Trade Directory Entries</b> Name: P P G Architectural Coatings Location: Huddersfield Road, Batley, WF17 9XA Classification: Paint Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	852	-	422340 425821
111	<b>Contemporary Trade Directory Entries</b> Name: Sigma Kalon Location: Huddersfield Road, Batley, West Yorkshire, WF17 9XA Classification: Paint Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	852	-	422340 425821
111	<b>Contemporary Trade Directory Entries</b> Name: Johnson Leyland Paint Location: Huddersfield Road, Batley, WF17 9XA Classification: Painting & Decorating Supplies <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	852	-	422340 425821
111	<b>Contemporary Trade Directory Entries</b> Name: P P G Architectural Coatings Uk Ltd Location: Huddersfield Road, Batley, West Yorkshire, WF17 9XA Classification: Coating Specialists <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	852	-	422340 425821
112	<b>Contemporary Trade Directory Entries</b> Name: B V Diamond Products Ltd Location: Unit 20, Wilton Industrial Court, 851, Bradford Road, Batley, WF17 8NN Classification: Cutting Tools & Machinery <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19SW (NE)	855	-	422682 425623
112	<b>Contemporary Trade Directory Entries</b> Name: Adams' Clearances Ltd Location: Unit 2, Wilton Industrial Court, 851, Bradford Road, Batley, WF17 8NN Classification: Waste Disposal Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	865	-	422650 425661
112	<b>Contemporary Trade Directory Entries</b> Name: Damar Supplies Ltd Location: Unit 19 Wilton Industrial Court, 851 Bradford Road, Batley, West Yorkshire, WF17 8NN Classification: Swimming Pool Contractors, Repairers & Service <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	865	-	422650 425661

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Fast Fit Care Centre &amp; Retail            Location: Unit 14 Wilton Industrial Court, 851 Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Mot Testing Centres  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	865	-	422650 425661
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Executiveleisure.Co.Uk            Location: Unit 6, Wilton Industrial Court, 851, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Swimming Pool Contractors, Repairers &amp; Service  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	866	-	422653 425660
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M J Motors            Location: Unit 7-8, Wilton Industrial Court, 851, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Mot Testing Centres  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	866	-	422653 425660
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Pro Cars            Location: Unit 7-8, Wilton Industrial Court, 851, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	866	-	422653 425660
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Specialize Sideloader Products Ltd            Location: Unit 2-4, Wilton Ind Court, 851 Bradford Rd, Batley, West Yorkshire, WF17 8NN            Classification: Machinery - Industrial &amp; Commercial  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	866	-	422652 425660
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Executive Leisure            Location: Unit 19, Wilton Industrial Court, 851, Bradford Road, Batley, WF17 8NN            Classification: Swimming Pool Contractors, Repairers &amp; Service  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	868	-	422689 425634
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Damar Supplies Ltd            Location: Unit 19, Wilton Industrial Court, 851, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Swimming Pool Contractors, Repairers &amp; Service  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	868	-	422686 425637
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A J Ireland &amp; Son            Location: UNIT 1, WILTON INDUSTRIAL COURT, 851, BRADFORD ROAD, BIRSTALL, BATLEY, WF17 8NN            Classification: French Polishing  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	872	-	422633 425682
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Carben Engineering Ltd            Location: Unit 4, Wilton Industrial Court, 851, Bradford Road, Batley, WF17 8NN            Classification: Mechanical Engineers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	875	-	422664 425663
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Oakwell Packaging Ltd            Location: Unit 18, Wilton Industrial Court, 851, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Packaging Materials Manufacturers &amp; Suppliers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	903	-	422669 425694

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Burnley Packaging Machinery Ltd            Location: Wilton Industrial Court, 851, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Packaging &amp; Wrapping Equipment &amp; Supplies  <b>Status:</b> Inactive            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	903	-	422669 425694
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Wilco Motosave            Location: Unit 14, Wilton Industrial Court, 851, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Tyre Dealers  <b>Status:</b> Active            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	903	-	422669 425694
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Antique Style Pine Doors Ltd            Location: Unit 12A &amp; 12B, Wilton Ind Court, 851 Bradford Rd, Batley, West Yorkshire, WF17 8NN            Classification: Door Manufacturers - Domestic  <b>Status:</b> Inactive            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	903	-	422669 425694
112	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ibbetson            Location: Wilton Ind Court, 851 Bradford Rd, Batley, West Yorkshire, WF17 8NN            Classification: Furniture Manufacturers - Home &amp; Office  <b>Status:</b> Inactive            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	903	-	422669 425694
113	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: D P C Property Care            Location: 47, White Lee Road, Batley, West Yorkshire, WF17 8AA            Classification: Damp &amp; Dry Rot Control  <b>Status:</b> Inactive            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	857	-	422567 424169
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Airchannel Ltd            Location: Unit 5, Smithies Mill, Bradford Road, Batley, West Yorkshire, WF17 8NS            Classification: Air Compressors  <b>Status:</b> Inactive            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	877	-	422493 425780
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Rogers &amp; Vaughan Ltd            Location: Unit 6-7a, Smithies Mill, Bradford Road, BATLEY, West Yorkshire, WF17 8NS            Classification: Bed &amp; Mattress Manufacturers  <b>Status:</b> Inactive            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	877	-	422493 425780
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Procars Birstall Ltd            Location: Bradford Rd, Batley, West Yorkshire, WF17 8NS            Classification: Garage Services  <b>Status:</b> Inactive            Positional Accuracy: Manually positioned within the geographical locality</p>	A19NW (NE)	897	-	422521 425787
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Extreme-Comfort (UK) Ltd            Location: Unit 9, Smithies Mill, Bradford Road, Batley, West Yorkshire, WF17 8NS            Classification: Bed &amp; Mattress Manufacturers  <b>Status:</b> Inactive            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	897	-	422521 425787
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Rotary Revs            Location: Unit 1, Smithies Mill, Bradford Road, Batley, West Yorkshire, WF17 8NS            Classification: Garage Services  <b>Status:</b> Inactive            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	897	-	422521 425787
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: K P Logisitcs (West Yorkshire) Ltd            Location: Unit 5, Smithies Mill, Bradford Road, Batley, WF17 8NS            Classification: Road Haulage Services  <b>Status:</b> Inactive            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	897	-	422521 425787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Taylored Lines            Location: Hillside House, 887, Bradford Road, BATLEY, West Yorkshire, WF17 8NN            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	897	-	422521 425787
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Metal Masters            Location: Unit 3, Smithies Mill, Bradford Road, Batley, West Yorkshire, WF17 8NS            Classification: Metal Products - Fabricated  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	897	-	422521 425787
114	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Hepworth &amp; Wilson Ltd            Location: Unit 1, Smithies Mill, Bradford Road, Batley, WF17 8NS            Classification: Print Finishers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	897	-	422521 425787
115	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Trafalgar Security            Location: 41, Healey Street, Batley, West Yorkshire, WF17 8BZ            Classification: Door &amp; Gate Operating Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SE (SE)	903	-	422752 424263
116	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Bronx Chemical Co            Location: Wensleydale Mill, 827, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Chemicals &amp; Allied Products  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	907	-	422729 425651
116	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Silfelt Uk Ltd            Location: 829, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Bed &amp; Mattress Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	928	-	422736 425673
116	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: M J Machell (Batley) Ltd            Location: 825, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Textile Manufacturing  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NE (NE)	933	-	422759 425659
116	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Elite Accident Repair Centre Ltd            Location: 825 Bradford rd, Batley, West Yorkshire, WF17 8NN            Classification: Car Body Repairs  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NE (NE)	933	-	422759 425659
117	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Dino'S 66            Location: 881, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	917	-	422575 425776
117	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Beckside Motors Birstall Ltd            Location: Store, Millside House, 887, Bradford Road, Batley, WF17 8NN            Classification: Car Dealers - Used  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	936	-	422546 425817
118	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Chem Scaffolding            Location: 869, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Scaffolding &amp; Work Platforms  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	926	-	422631 425749
118	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S W Stokes            Location: 750, Bradford Road, Batley, West Yorkshire, WF17 8NL            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	960	-	422627 425792

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Birstall Motor Company            Location: 21, Wensleydale Parade, Batley, WF17 8NR            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	984	-	422632 425819
118	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Birstall Motor Co Ltd            Location: 21, Wensleydale Parade, Batley, West Yorkshire, WF17 8NR            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	984	-	422632 425819
119	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Koolcampers            Location: 19, Tyndale Walk, Batley, West Yorkshire, WF17 8PX            Classification: Commercial Vehicle Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (S)	931	-	422450 424026
119	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Posh Decks Ltd            Location: 55, Charnwood Bank, Batley, West Yorkshire, WF17 8PY            Classification: Cleaning Services - Domestic  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (S)	964	-	422449 423990
120	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Alca M O T Centre Ltd            Location: 895, Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Mot Testing Centres  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	943	-	422471 425866
120	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: F 1 Tyres            Location: 772a, Bradford Road, Batley, West Yorkshire, WF17 8NL            Classification: Tyre Dealers  <b>Status: Active</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	969	-	422518 425871
120	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: About Blinds            Location: 772, Bradford Road, Batley, West Yorkshire, WF17 8NL            Classification: Blinds, Awnings &amp; Canopies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	969	-	422518 425871
121	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ace Fire Equipment UK Ltd            Location: 9, Belle Vue Street, Batley, West Yorkshire, WF17 8DD            Classification: Firefighting Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	946	-	422682 424142
121	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Snugfit Ltd            Location: 11, Belle Vue Street, Batley, West Yorkshire, WF17 8DD            Classification: Clothing &amp; Fabrics - Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	946	-	422682 424142
121	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Ace Fire Equipment (Uk) Ltd            Location: 9, Belle Vue Street, Batley, West Yorkshire, WF17 8DD            Classification: Firefighting Equipment  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	946	-	422682 424142
121	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Blinds 2000            Location: 3-7, Belle Vue Street, Batley, West Yorkshire, WF17 8DD            Classification: Blinds, Awnings &amp; Canopies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9SW (SE)	976	-	422692 424111
122	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Craven Motor Sales            Location: 885 Bradford Road, Batley, West Yorkshire, WF17 8NN            Classification: Car Dealers - Used  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	946	-	422574 425812

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	<b>Contemporary Trade Directory Entries</b> Name: Ideal Cleaning Services Ltd Location: 762, Bradford Road, Batley, West Yorkshire, WF17 8NL Classification: Commercial Cleaning Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	966	-	422533 425860
122	<b>Contemporary Trade Directory Entries</b> Name: Kirkgate Garage Location: 754, Bradford Road, Batley, West Yorkshire, WF17 8NL Classification: Garage Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	966	-	422603 425817
122	<b>Contemporary Trade Directory Entries</b> Name: The Motor Family Location: 758-760, Bradford Road, Batley, WF17 8NL Classification: Car Dealers - Used <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	987	-	422579 425857
122	<b>Contemporary Trade Directory Entries</b> Name: Brams Location: 758-760, Bradford Road, BATLEY, West Yorkshire, WF17 8NL Classification: Car Customisation & Conversion Specialists <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A19NW (NE)	988	-	422579 425858
123	<b>Contemporary Trade Directory Entries</b> Name: Dixon Motor Holdings Ltd Location: The Citroen Garage, Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AZ Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	949	-	422392 425905
123	<b>Contemporary Trade Directory Entries</b> Name: Dixon Motors Plc Location: The Citroen Garage, Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AZ Classification: Car Dealers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A18NE (N)	949	-	422392 425905
124	<b>Contemporary Trade Directory Entries</b> Name: Wilson Knowles & Sons Location: 6, Chapel Lane, Heckmondwike, West Yorkshire, WF16 9JT Classification: Machinery - Industrial & Commercial <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A3NE (S)	963	-	422156 423928
125	<b>Contemporary Trade Directory Entries</b> Name: C & S Roller Shutter Systems Location: Unit 16, Carr Mills, Bradford Road, Birstall, Batley, WF17 9JX Classification: Roller Shutter Manufacturers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A23SE (N)	969	-	422254 425966
125	<b>Contemporary Trade Directory Entries</b> Name: J D E Ventilation Systems Ltd Location: Unit 17a, Carr Mills, Bradford Road, Birstall, Batley, WF17 9JX Classification: Ventilators & Ventilation Systems <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A23SE (N)	971	-	422216 425974
125	<b>Contemporary Trade Directory Entries</b> Name: Alpha Supplies (Northern) Ltd Location: Unit 17a, Carr Mills, Bradford Road, Birstall, Batley, WF17 9JX Classification: Materials Handling Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A23SE (N)	971	-	422216 425974
125	<b>Contemporary Trade Directory Entries</b> Name: B V Products Location: Unit 17c, Carr Mills, Bradford Road, Birstall, Batley, WF17 9JX Classification: Diamond Tool Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	A23SE (N)	971	-	422216 425974

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Tynne Range            Location: Unit 15 Bradford Rd, Birstall, Batley, West Yorkshire, WF17 9JX            Classification: Catering Equipment - Servicing &amp; Repairs  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned within the geographical locality</p>	A23SE (N)	984	-	422250 425982
126	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Garment Transformations Ltd            Location: Unit 8, Excelsior Mills, Bradford Road, Birstall, Batley, West Yorkshire, WF17 9JX            Classification: T-Shirts  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	980	-	422360 425950
126	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Joseph International            Location: Unit 8, Excelsior Mills, Bradford Road, Birstall, Batley, West Yorkshire, WF17 9JX            Classification: Bed &amp; Mattress Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	980	-	422360 425950
127	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Gard Chemicals            Location: Chapel Lane, Heckmondwike, West Yorkshire, WF16 9JP            Classification: Cleaning Materials &amp; Equipment  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A3NW (S)	981	-	422040 423910
128	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Metallizers (Heckmondwike) Ltd            Location: Leeds Rd, Heckmondwike, West Yorkshire, WF16 9BH            Classification: Metal Finishing Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NW (SW)	981	-	421219 424373
129	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C C L Services            Location: Unit 6, Carr Mills, Bradford Road, Birstall, Batley, WF17 9JX            Classification: Builders' Merchants  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A23SE (N)	983	-	422190 425991
130	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: 4-Ways Solutions            Location: Unit 8, Excelsior Mills, Bradford Road, Birstall, BATLEY, West Yorkshire, WF17 9JX            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A23SE (N)	994	-	422312 425978
130	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: C G Engineering Ltd            Location: Unit 10, Excelsior Mills, Bradford Road, Birstall, Batley, West Yorkshire, WF17 9JX            Classification: Engineering Machine Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A23SE (N)	994	-	422312 425978
130	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Sleep Vendor Beds Ltd            Location: Unit 3, Excelsior Mills, Bradford Road, Birstall, Batley, WF17 9JX            Classification: Homefurnishings - Manufacturers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A23SE (N)	996	-	422312 425980
131	<p><b>Fuel Station Entries</b></p> <p>Name: Smithies Service Station            Location: Huddersfield Road, Birstall, Batley, West Yorkshire, WF17 9AY            Brand: TEXACO            Premises Type: Petrol Station  <b>Status: Open</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	690	-	422299 425664
132	<p><b>Fuel Station Entries</b></p> <p>Name: Wilton Service Station            Location: 851, Bradford Road, Birstall, Batley, West Yorkshire, WF17 8NW            Brand: Obsolete            Premises Type: Not Applicable  <b>Status: Obsolete</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	927	-	422682 425714

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	<b>Areas of Adopted Green Belt</b> Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: <b>Adopted</b> Plan Date: 1st March 1999	A13NW (NW)	111	10	421945 425047
134	<b>Areas of Unadopted Green Belt</b> Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Local Plan Status: <b>Submission Draft</b> Plan Date: 25th April 2017	A13NW (NW)	111	10	421945 425047
135	<b>Nitrate Vulnerable Zones</b> Name: Spen Beck From Source To River Calder Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (SW)	80	4	422000 424850

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Bradford Metropolitan City Council - Environmental Health Environment Agency - Head Office Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development	January 2020 June 2020 October 2017 October 2017 October 2017	Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - North East Region	July 22	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North East Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - North East Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North East Region	July 2022	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Bradford Metropolitan City Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 November 2012 October 2014 October 2014	Variable Variable Variable Variable
<b>Local Authority Pollution Prevention and Controls</b> Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Bradford Metropolitan City Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 November 2012 October 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Bradford Metropolitan City Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 November 2012 October 2014 October 2014	Variable Variable Variable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	August 2022	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North East Region	December 1998	
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North East Region	July 2015	
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North East Region	March 2013	
<b>Registered Radioactive Substances</b> Environment Agency - North East Region	June 2016	As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	April 2012	
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	April 2012	
<b>Substantiated Pollution Incident Register</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2022 July 2022	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North East Region	July 2022	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North East Region	October 2017	

Agency & Hydrological	Version	Update Cycle
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	September 2022	Bi-Annually
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2022	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2022	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	August 2022	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	August 2022	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2022	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	July 2022	Quarterly
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	November 2002	As notified
<b>Historical Landfill Sites</b> Environment Agency - Head Office	April 2022	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North East Region	January 2009	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2022 July 2022	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	July 2022 July 2022	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development	October 2018 October 2018 October 2018 October 2018	
<b>Registered Landfill Sites</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2006 March 2006	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2018 April 2018	
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	January 2022	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Kirklees Metropolitan Borough Council - Planning Services Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development	August 2015 February 2016 February 2016 February 2016	Variable Variable Variable Variable
<b>Planning Hazardous Substance Consents</b> Kirklees Metropolitan Borough Council - Planning Services Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development	August 2015 February 2016 February 2016 February 2016	Variable Variable Variable Variable

<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	As notified
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	July 2022	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2022	Quarterly
<b>Gas Pipelines</b> National Grid	October 2021	Bi-Annually
<b>Underground Electrical Cables</b> National Grid	May 2021	Bi-Annually

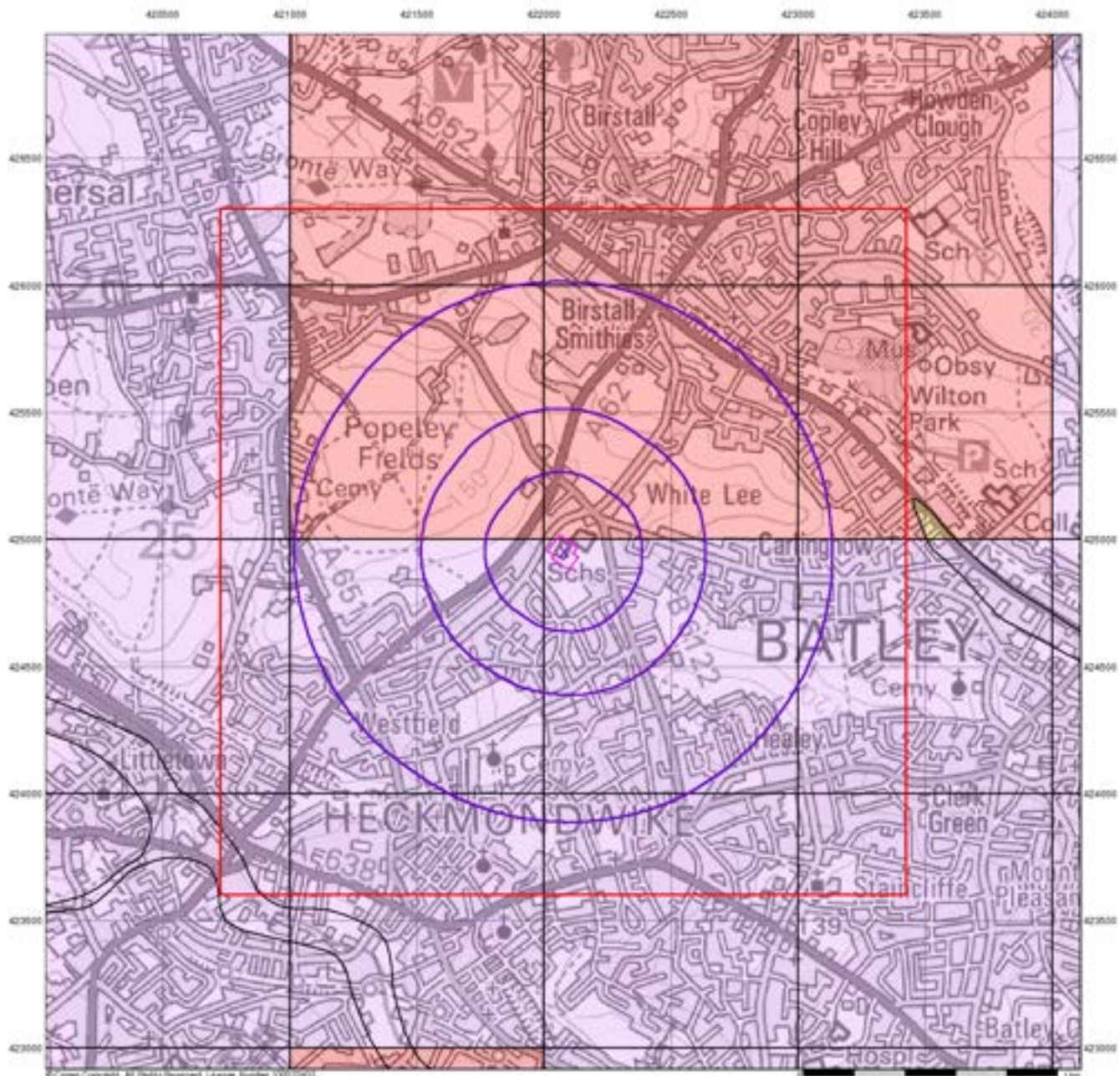
Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	February 2021	Bi-Annually
<b>Areas of Adopted Green Belt</b> Bradford Metropolitan City Council Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
<b>Areas of Unadopted Green Belt</b> Bradford Metropolitan City Council Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural England	August 2022	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	February 2021	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Nature Reserves</b> Natural England	January 2021	Bi-Annually
<b>National Parks</b> Natural England	February 2018	Bi-Annually
<b>Nitrate Sensitive Areas</b> Natural England	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
<b>Ramsar Sites</b> Natural England	August 2020	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	February 2021	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2020	Bi-Annually
<b>Special Protection Areas</b> Natural England	February 2021	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Kirklees Metropolitan Borough Council - Environmental Health Department</b> West Riding House, 9 Manchester Road, Huddersfield, West Yorkshire, HD1 3HH	Telephone: 01484 221000 Email: customer.relations@kirklees.gov.uk Website: www.kirklees.gov.uk
4	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	<b>Kirklees Metropolitan Borough Council - Planning Services</b> PO BOX B93, Civic Centre III, Off Market Street, Huddersfield, West Yorkshire, HD1 2JR	Telephone: 01484 221000 Fax: 01484 221613 Website: www.kirklees.gov.uk
7	<b>Health and Safety Executive</b> 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	<b>The Coal Authority - Property Searches</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	<b>Kirklees Metropolitan Borough Council</b> Town Hall, Civic Centre, Huddersfield, West Yorkshire, HD1 2TA	Telephone: 01484 221000 Fax: 01484 442768 Website: www.kirklees.gov.uk
11	<b>Leeds City Council</b> Civic Hall, Leeds, West Yorkshire, LS1 1UR	Telephone: 0113 234 8080 Fax: 0113 242 1321 Website: www.leeds.gov.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



## Groundwater Vulnerability

### General

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

### Agency and Hydrological

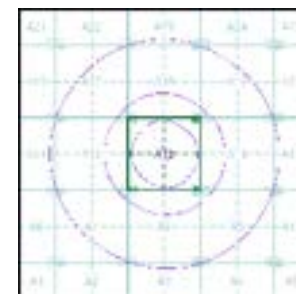
#### Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

#### Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

### Site Sensitivity Context Map - Slice A



### Order Details

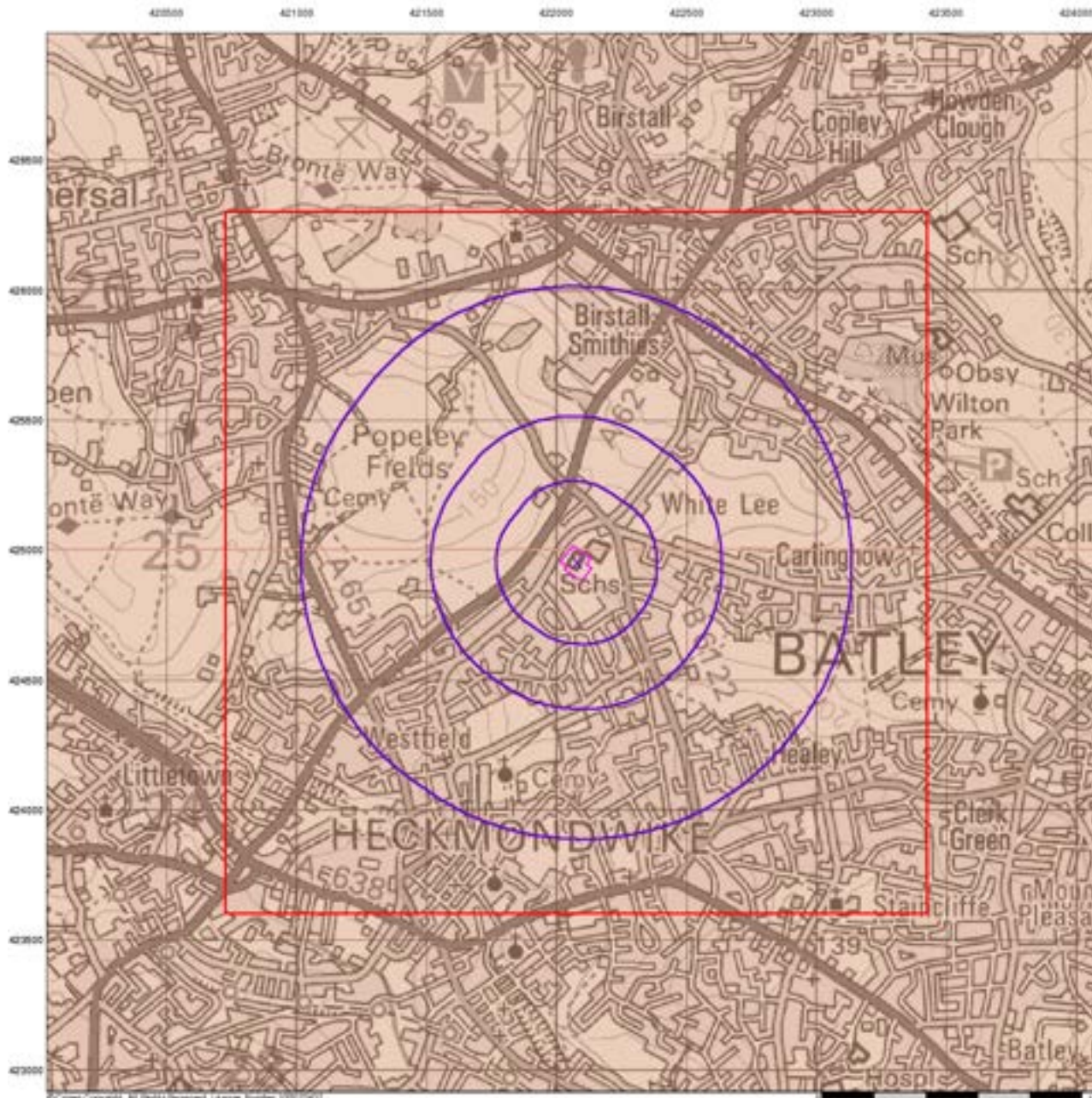
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

### Site Details

Co-Op Academy Smithies Moor, Leeds Old Road, HECKMONDWIKE, WF16 9BB



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



## Bedrock Aquifer Designation

### General

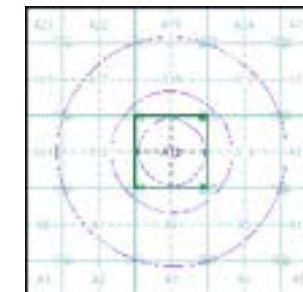
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

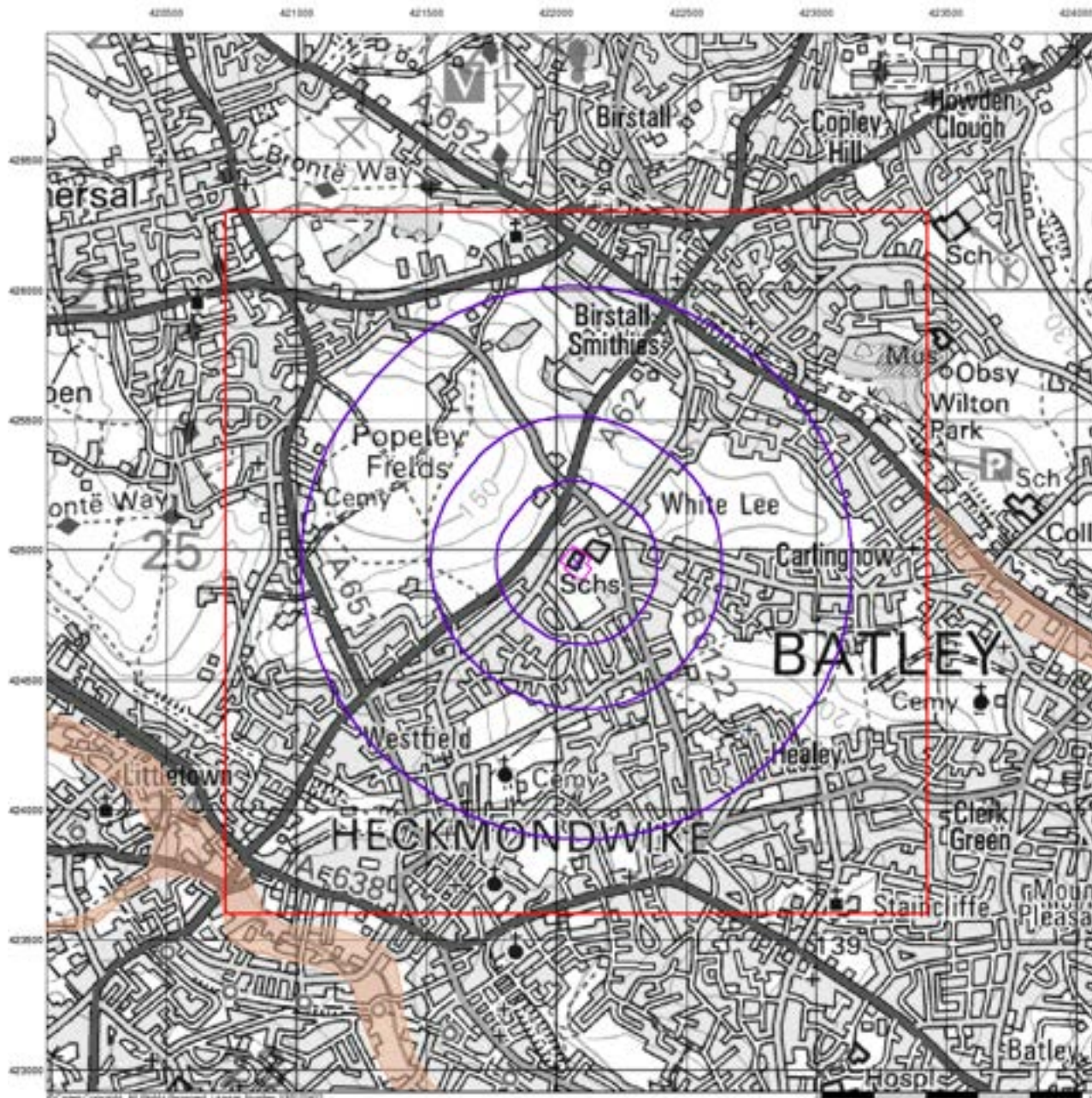
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 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

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## Superficial Aquifer Designation

### General

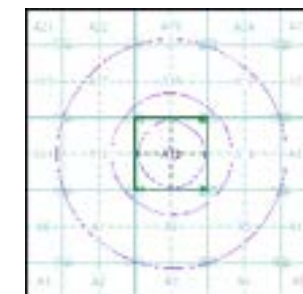
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

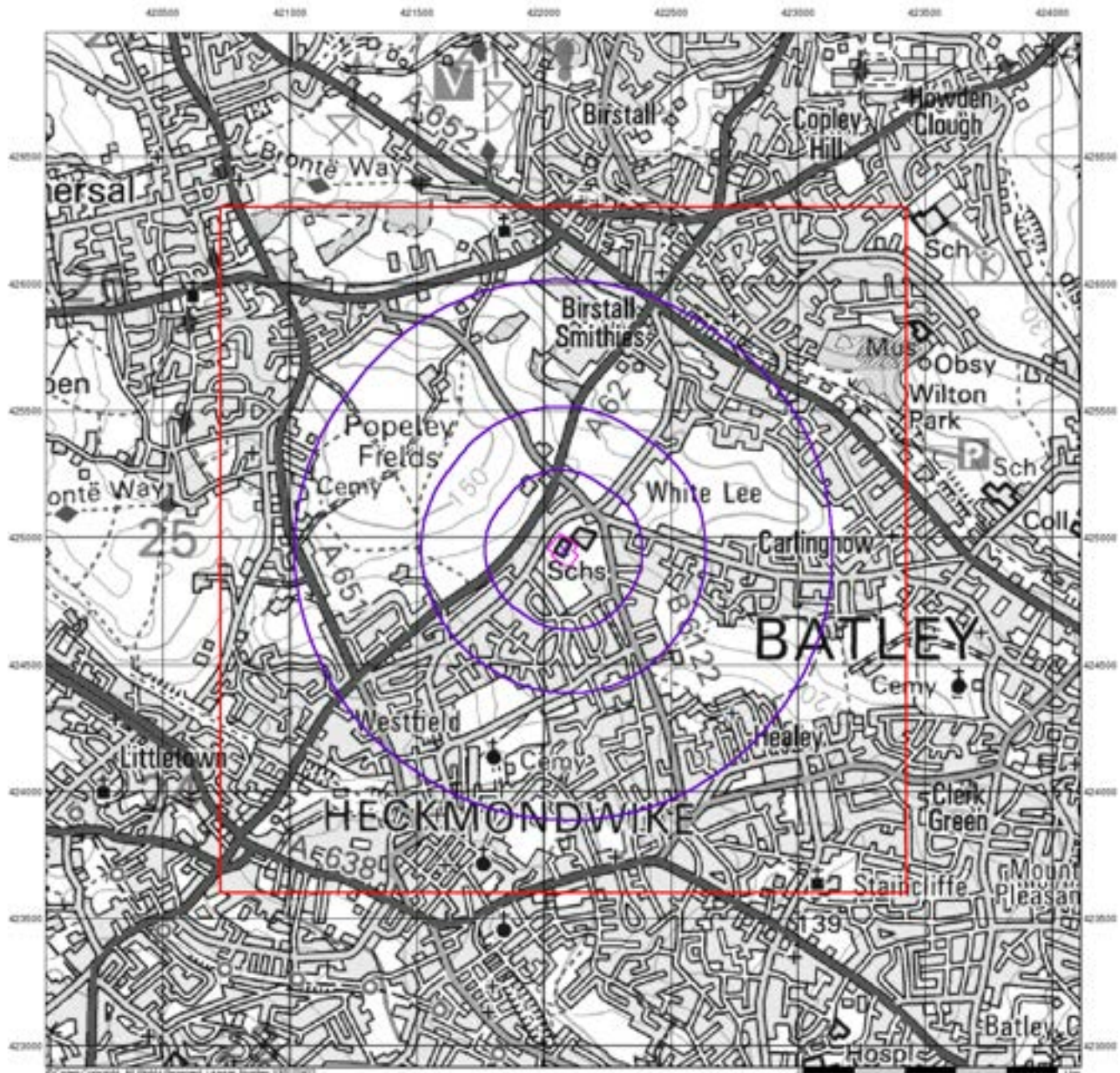
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 National Grid Reference: 422080, 424950  
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 Search Buffer (m): 1000

### Site Details

Co-Op Academy Smithies Moor, Leeds Old Road, HECKMONDWIKE, WF16 9BB



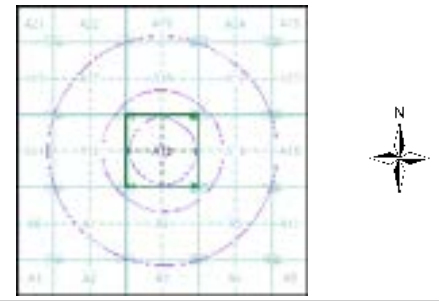
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



### Source Protection Zones

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID
- Agency and Hydrological**
- Inner zone (Zone 1)
  - Inner zone - subsurface activity only (Zone 1c)
  - Outer zone (Zone 2)
  - Outer zone - subsurface activity only (Zone 2c)
  - Total catchment (Zone 3)
  - Total catchment - subsurface activity only (Zone 3c)
  - Special interest (Zone 4)

### Site Sensitivity Context Map - Slice A



### Order Details

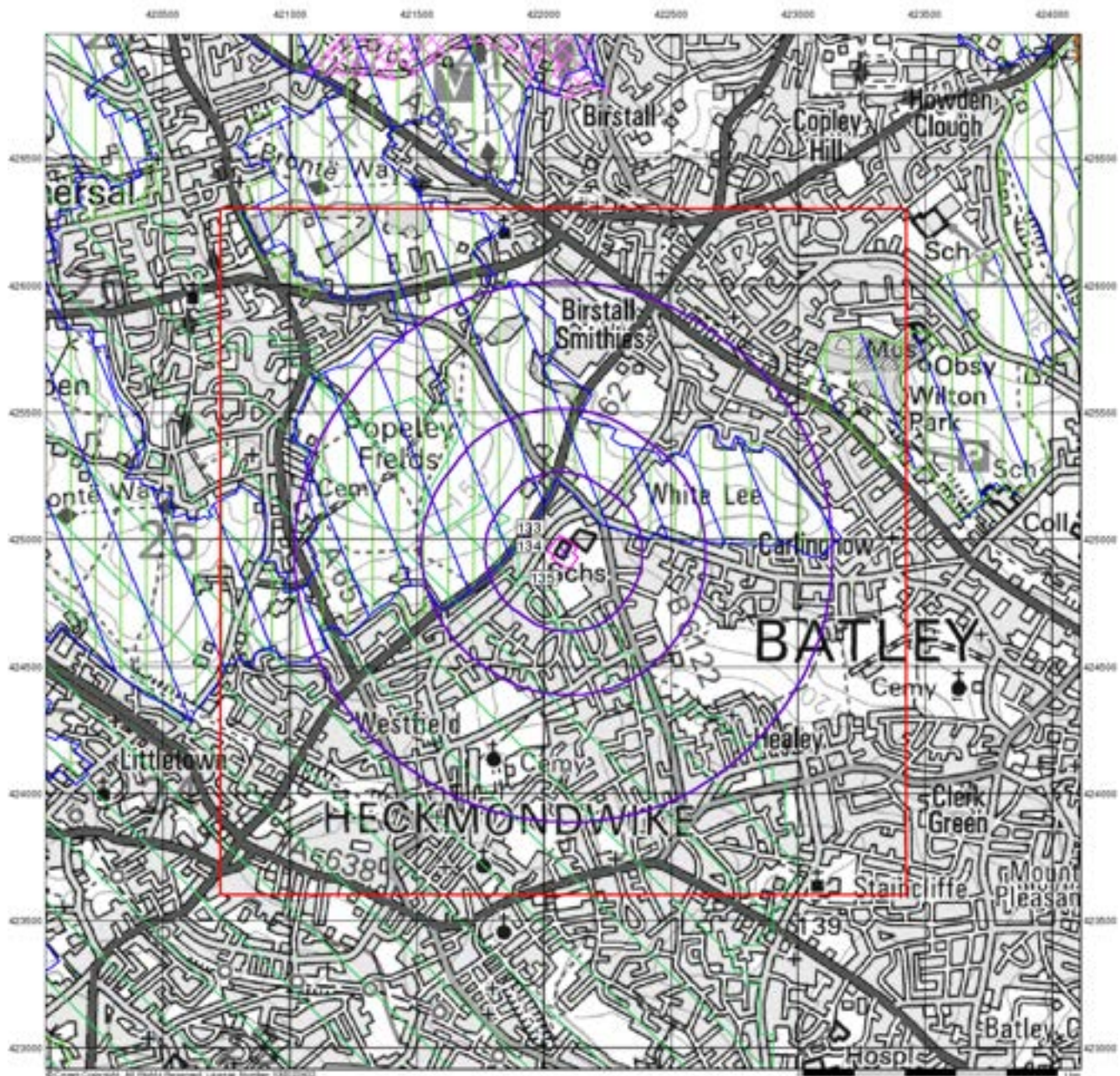
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

### Site Details

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## Sensitive Land Uses

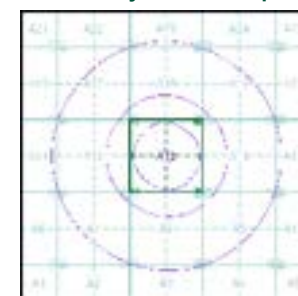
### General

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

### Sensitive Land Uses

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

### Site Sensitivity Context Map - Slice A



### Order Details

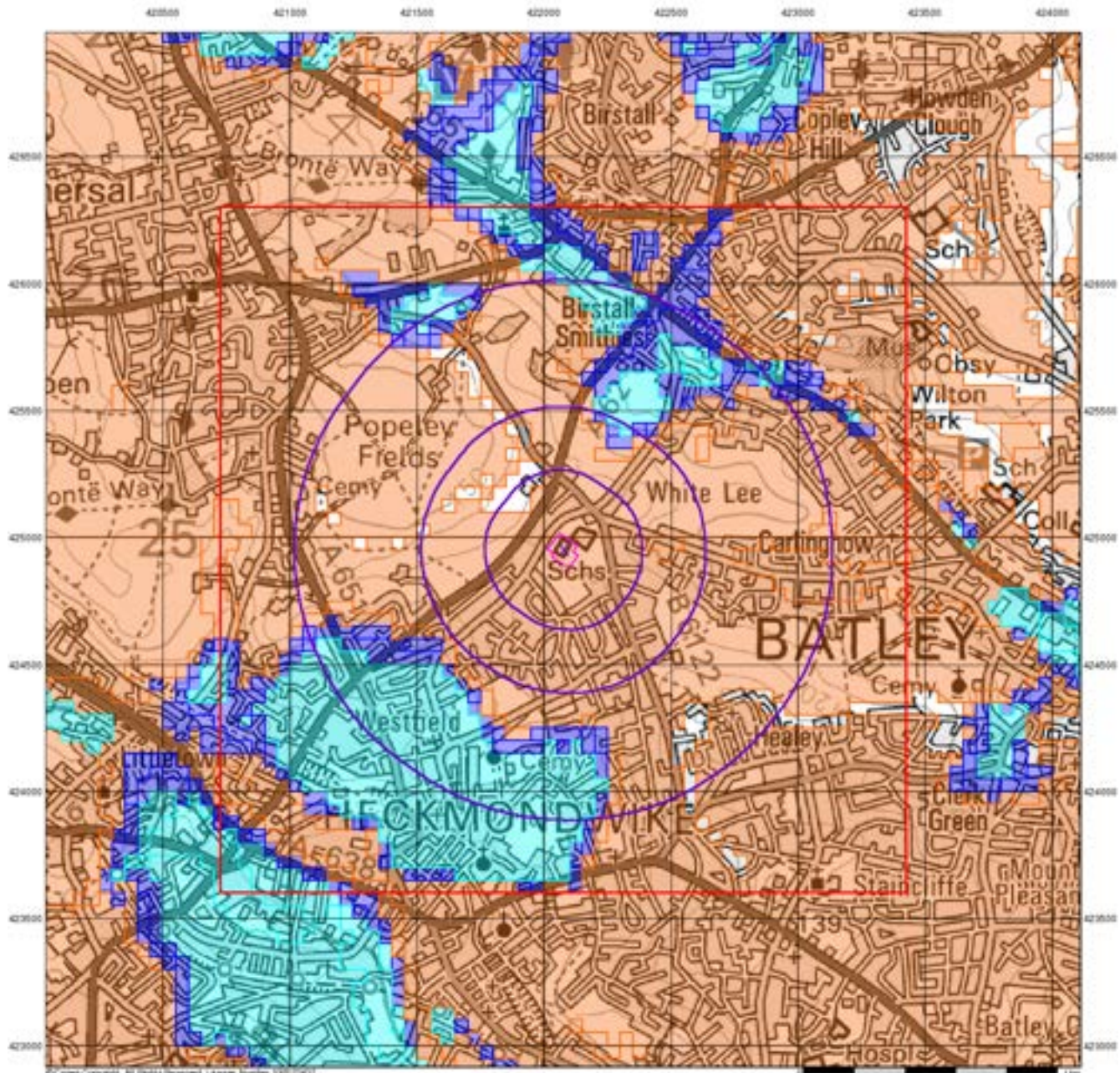
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 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

### Site Details

Co-Op Academy Smithies Moor, Leeds Old Road, HECKMONDWIKE,  
 WF16 9BB



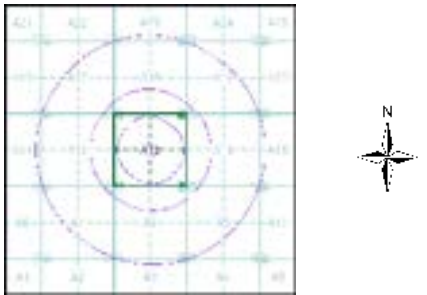
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



**BGS Flood GFS Data**

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
- Agency and Hydrological (Flood)**
- Limited Potential for Groundwater Flooding to Occur
  - Potential for Groundwater Flooding of Property Situated Below Ground Level
  - Potential for Groundwater Flooding to Occur at Surface

**Site Sensitivity Context Map - Slice A**



**Order Details**

Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

**Site Details**

Co-Op Academy Smithies Moor, Leeds Old Road, HECKMONDWIKE, WF16 9BB



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



### General

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

### Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

### Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

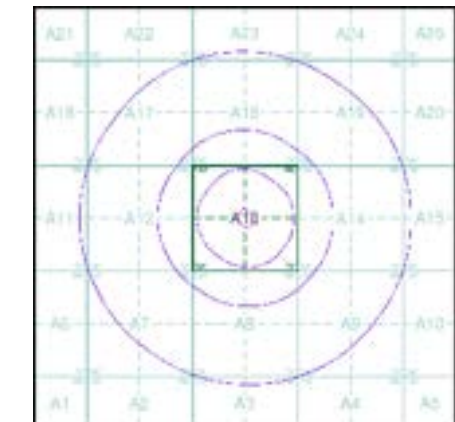
### Geological

- BGS Recorded Mineral Site

### Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

### Site Sensitivity Map - Slice A



### Order Details

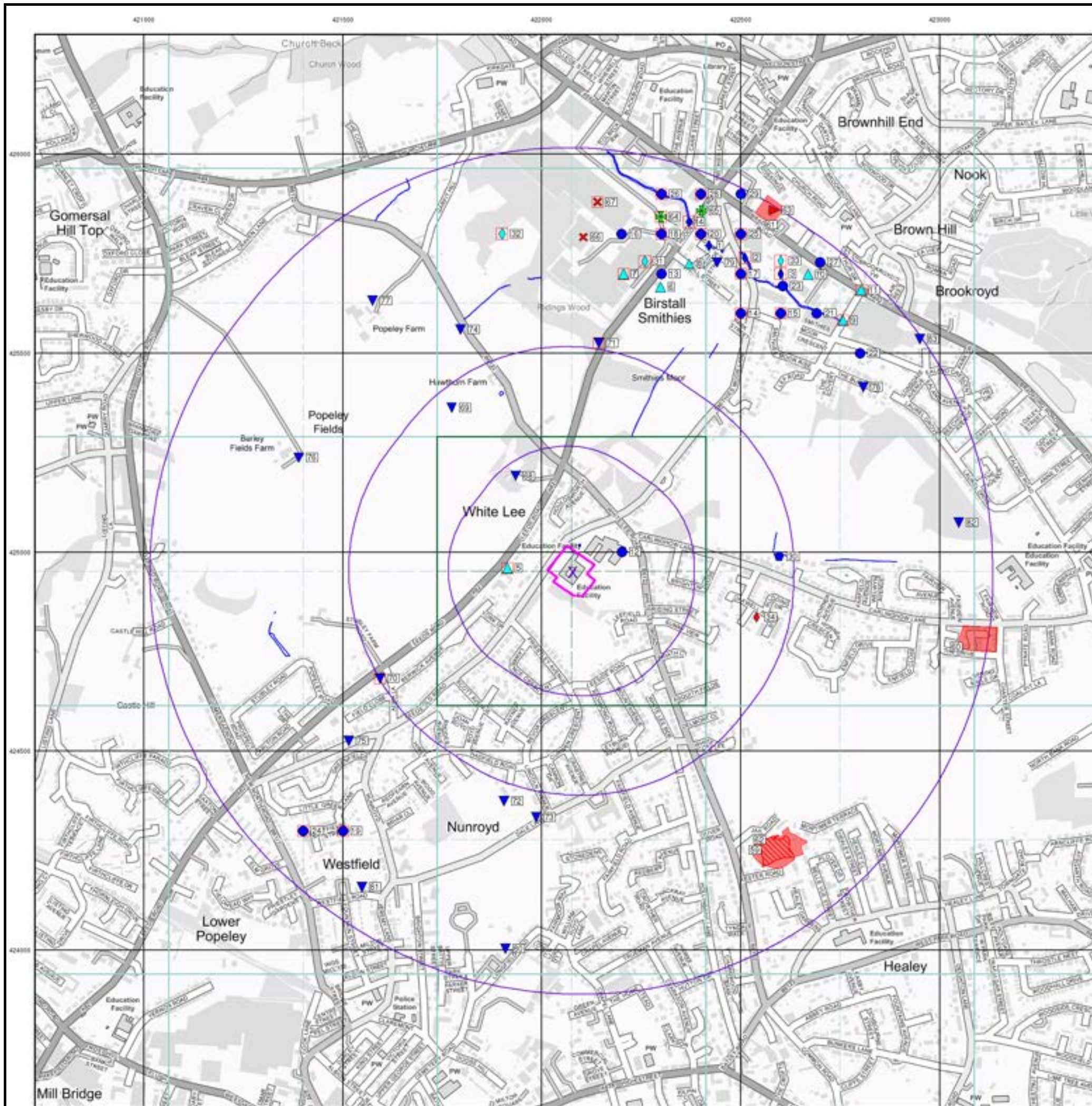
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 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

### Site Details

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 Fax: 0844 844 9951  
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### Industrial Land Use Map

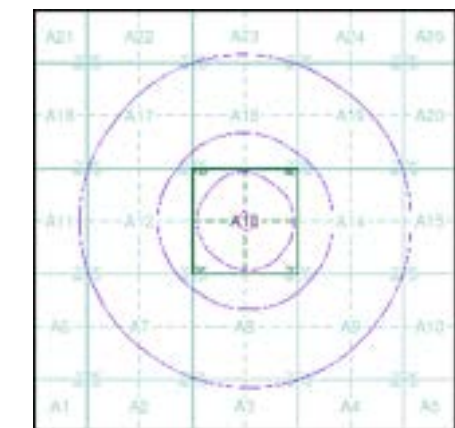
#### General

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

#### Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

### Industrial Land Use Map - Slice A



#### Order Details

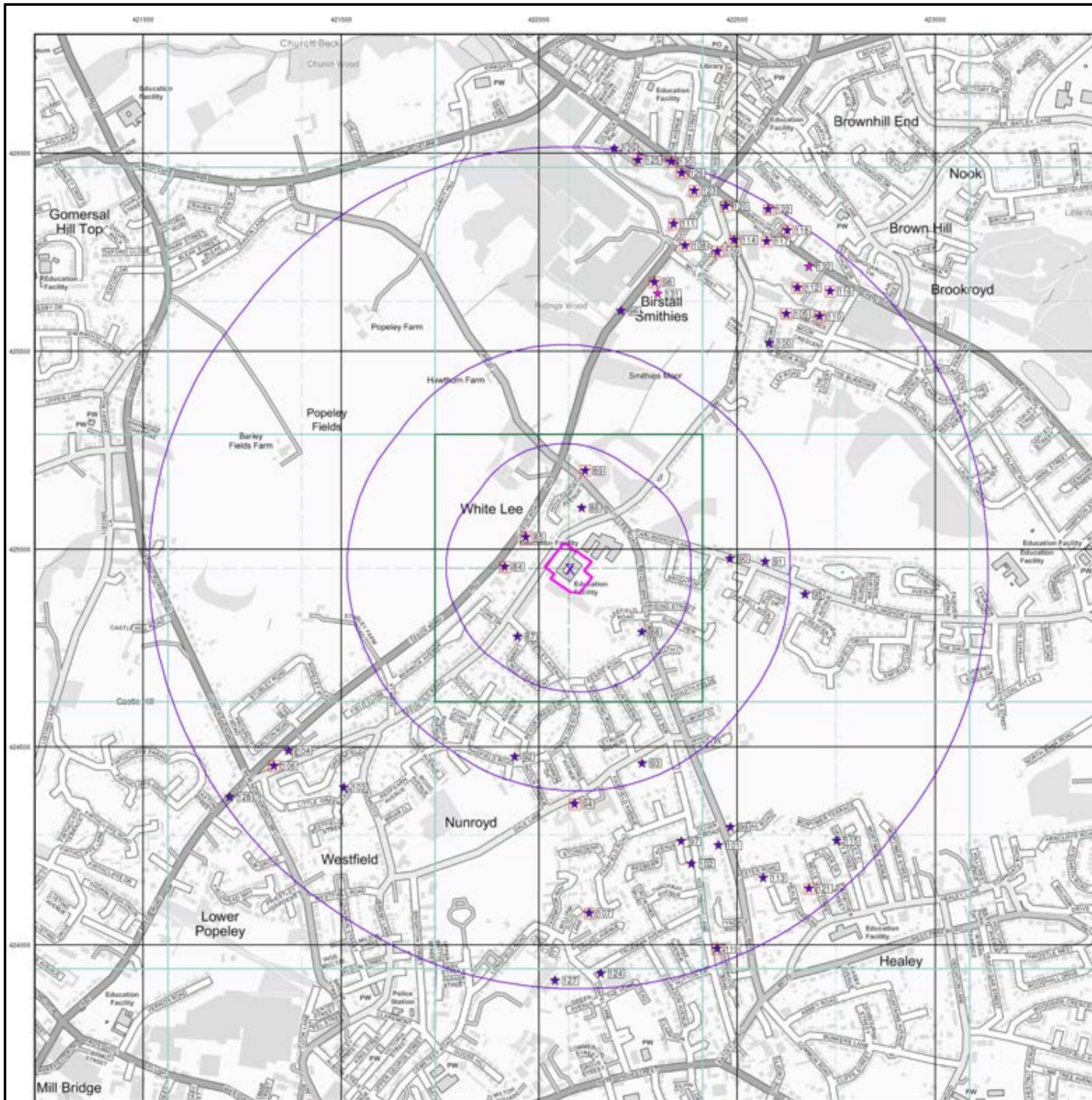
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 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
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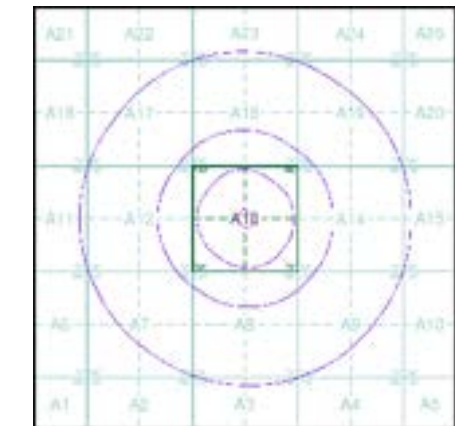
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

### Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

### Flood Map - Slice A



### Order Details

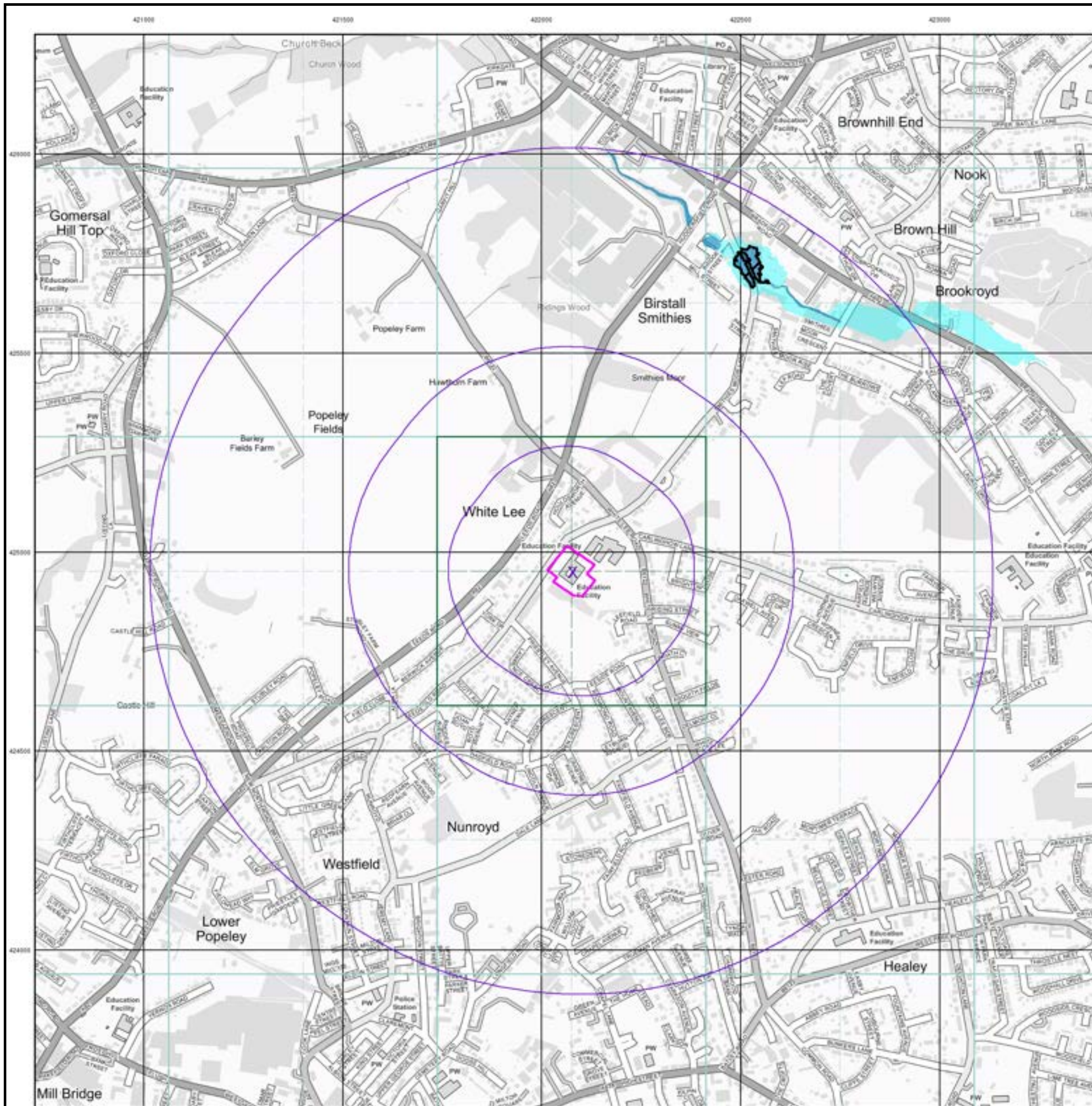
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

### Site Details

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HECKMONDWIKE, WF16 9BB



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





### General

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

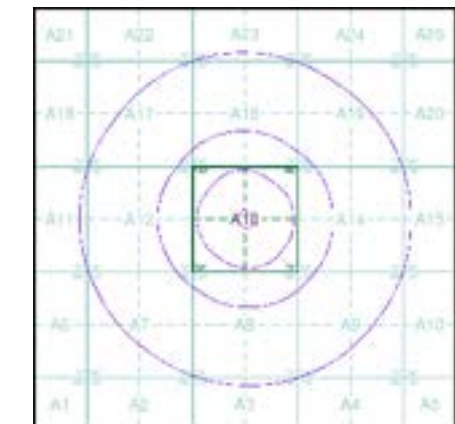
### Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

### Borehole Map - Slice A



### Order Details

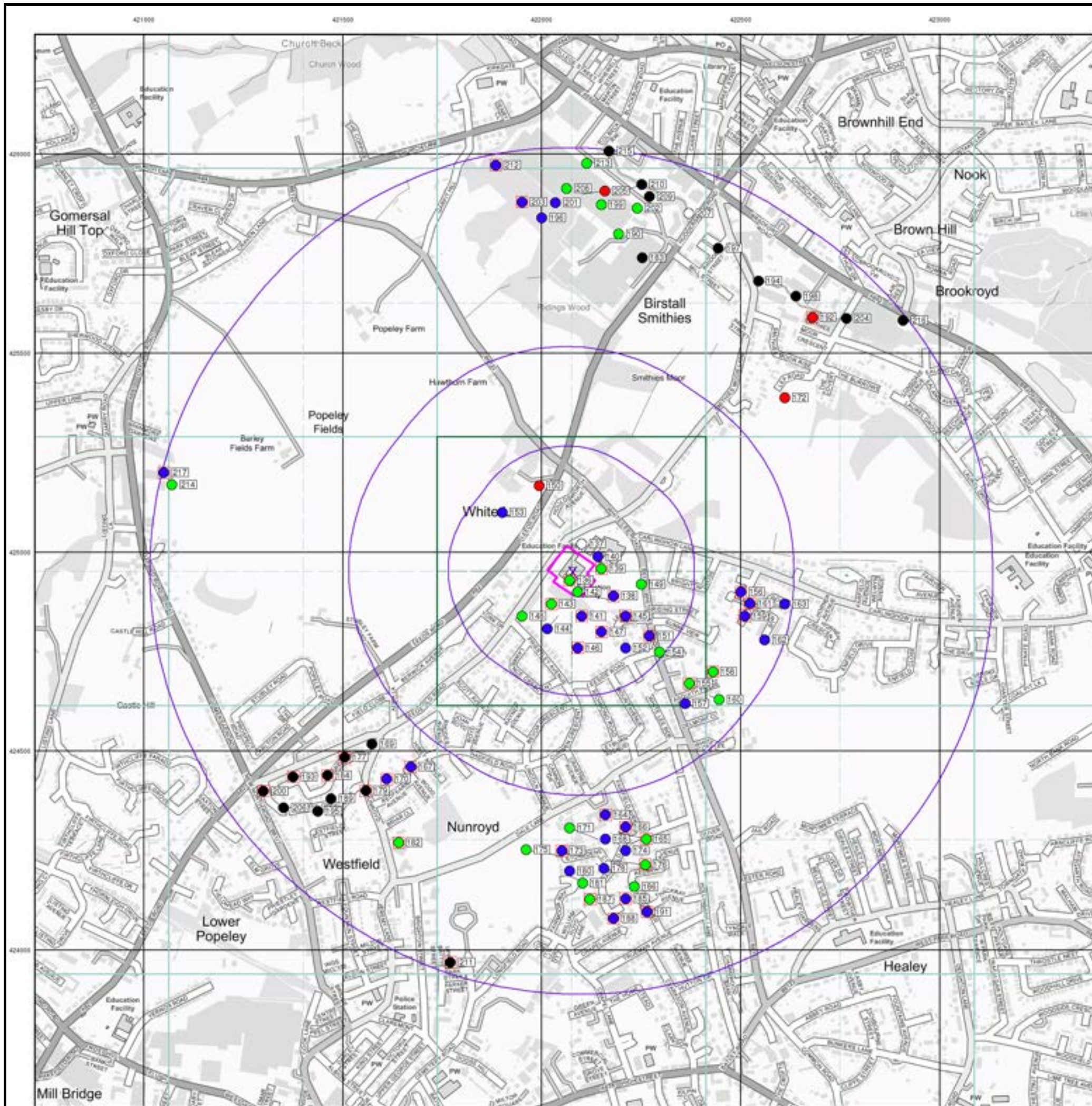
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Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

### Site Details

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Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)





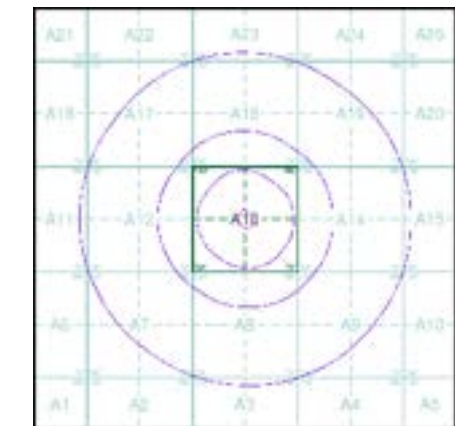
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

### OS Water Network Data

- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

### OS Water Network Map - Slice A



### Order Details

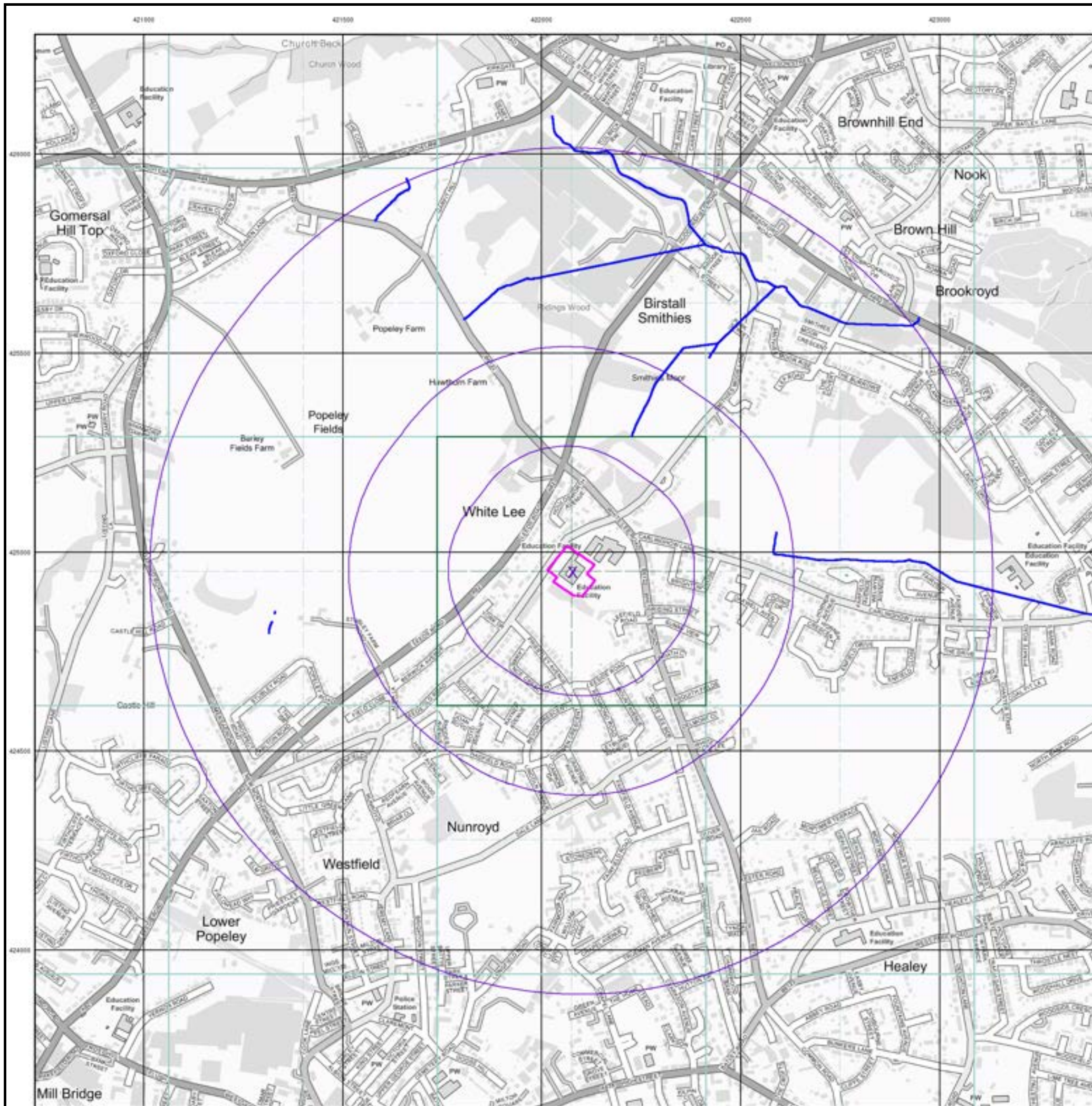
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Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

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Web: www.envirocheck.co.uk



# Historical Mapping Legends

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

Quarry, Gravel Pit, Sand Pit, Clay Pit, Shingle, Refuse Heap, Sloping Masonry, Flat Rock, Marsh, Reeds, Osiers, Rough Pasture, Furze, Wood, Mixed Wood, Brushwood, Orchard, Fir, Ford, Stepping Stones, Ferry, Waterfall, Lock, Trig. Station, Altitude at Trig. Station, Bench Mark, Surface Level, Arrow denotes flow of water, Antiquities (site of), Cutting, Embankment, Railway crossing Road, Level Crossing, Road crossing Railway, Railway crossing River or Canal, Road over single stream, Road over River or Canal, County Boundary (Geographical), County & Civil Parish Boundary, Administrative County & Civil Parish Boundary, County Borough Boundary (England), County Burgh Boundary (Scotland), Boundary Post or Stone, Police Call Box, Bridge Road, Pump, Electricity Pylon, Signal Post, Foot Bridge, Sluice, Foot Path, Spring, Guide Post or Board, Telephone Call Box, Mile Stone, Trough, Mooring Post or Ring, Well

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

Inactive Quarry, Chalk Pit or Clay Pit, Active Quarry, Chalk Pit or Clay Pit, Rock, Boulders, Roofed Building, Glazed Roof Building, Sloping Masonry, Archway, Non-Coniferous Tree (surveyed), Coniferous Tree (surveyed), Non-Coniferous Trees (not surveyed), Coniferous Trees (not surveyed), Orchard Tree, Scrub, Bracken, Coppice, Osier, Reeds, Marsh, Saltings, Rough Grassland, Heath, Culvert, Direction of water flow, Bench Mark, Antiquity (site of), Cave Entrance, Triangulation Station, Electricity Pylon, Electricity Transmission Line, County Boundary (Geographical), County & Civil Parish Boundary, Civil Parish Boundary, Admin. County or County Bor. Boundary, London Borough Boundary, Symbol marking point where boundary mereing changes, Beer House, Boundary Post or Stone, Capstan, Crane, Chimney, Drinking Fountain, Electricity Pillar or Post, Fire Alarm Pillar, Foot Bridge, Guide Post, Hydrant or Hydraulic, Level Crossing, Manhole, Mile Post or Mooring Post, Mile Stone, Normal Tidal Limit, Pillar, Pole or Post, Post Office, Public Convenience, Public House, Pump, Signal Box or Bridge, Signal Post or Light, Spring, Tank or Track, Telephone Call Box, Telephone Call Post, Trough, Water Point, Water Tap, Well, Wind Pump

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

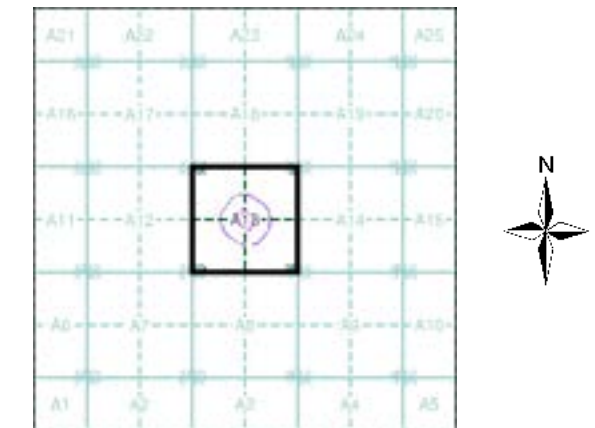
Cliff, Slopes, Top, Rock, Rock (scattered), Boulders, Boulders (scattered), Positioned Boulder, Scree, Non-Coniferous Tree (surveyed), Coniferous Tree (surveyed), Non-Coniferous Trees (not surveyed), Coniferous Trees (not surveyed), Orchard Tree, Scrub, Bracken, Coppice, Osier, Reeds, Marsh, Saltings, Rough Grassland, Heath, Culvert, Direction of water flow, Triangulation Station, Antiquity (site of), Electricity Transmission Line, Electricity Pylon, Bench Mark, Buildings with Building Seed, Roofed Building, Glazed Roof Building, Civil parish/community boundary, District boundary, County boundary, Boundary post/stone, Boundary mereing symbol (note: these always appear in opposed pairs or groups of three), Barracks, Battery, Cemetery, Chimney, Cistern, Dismtd Rly, Electricity Generating Station, Electricity Pole, Pillar, Electricity Sub Station, Filter Bed, Fountain / Drinking Ftn., Gas Valve Compound, Gas Governor, Guide Post, Manhole, Mile Post or Mile Stone, Pillar, Pole or Post, Post Office, Public Convenience, Pump, Pumping Station, Place of Worship, Sewage Ppg Sta, Sewage Pumping Station, Signal Box or Bridge, Signal Post or Light, Spring, Tank or Track, Trough, Wind Pump, Water Point, Water Tap, Works (building or area), Well



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1894	2
Yorkshire	1:2,500	1907	3
Yorkshire	1:2,500	1922	4
Yorkshire	1:2,500	1938	5
Ordnance Survey Plan	1:1,250	1956	6
Ordnance Survey Plan	1:2,500	1956	7
Additional SIMs	1:1,250	1956 - 1978	8
Ordnance Survey Plan	1:1,250	1964 - 1968	9
Ordnance Survey Plan	1:1,250	1967	10
Ordnance Survey Plan	1:2,500	1968 - 1970	11
Additional SIMs	1:1,250	1980 - 1988	12
Large-Scale National Grid Data	1:1,250	1992 - 1993	13

## Historical Map - Segment A13



## Order Details

Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 100

## Site Details

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 HECKMONDWIKE, WF16 9BB



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Yorkshire

Published 1894

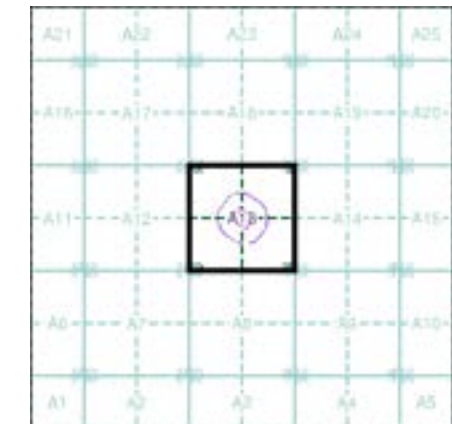
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

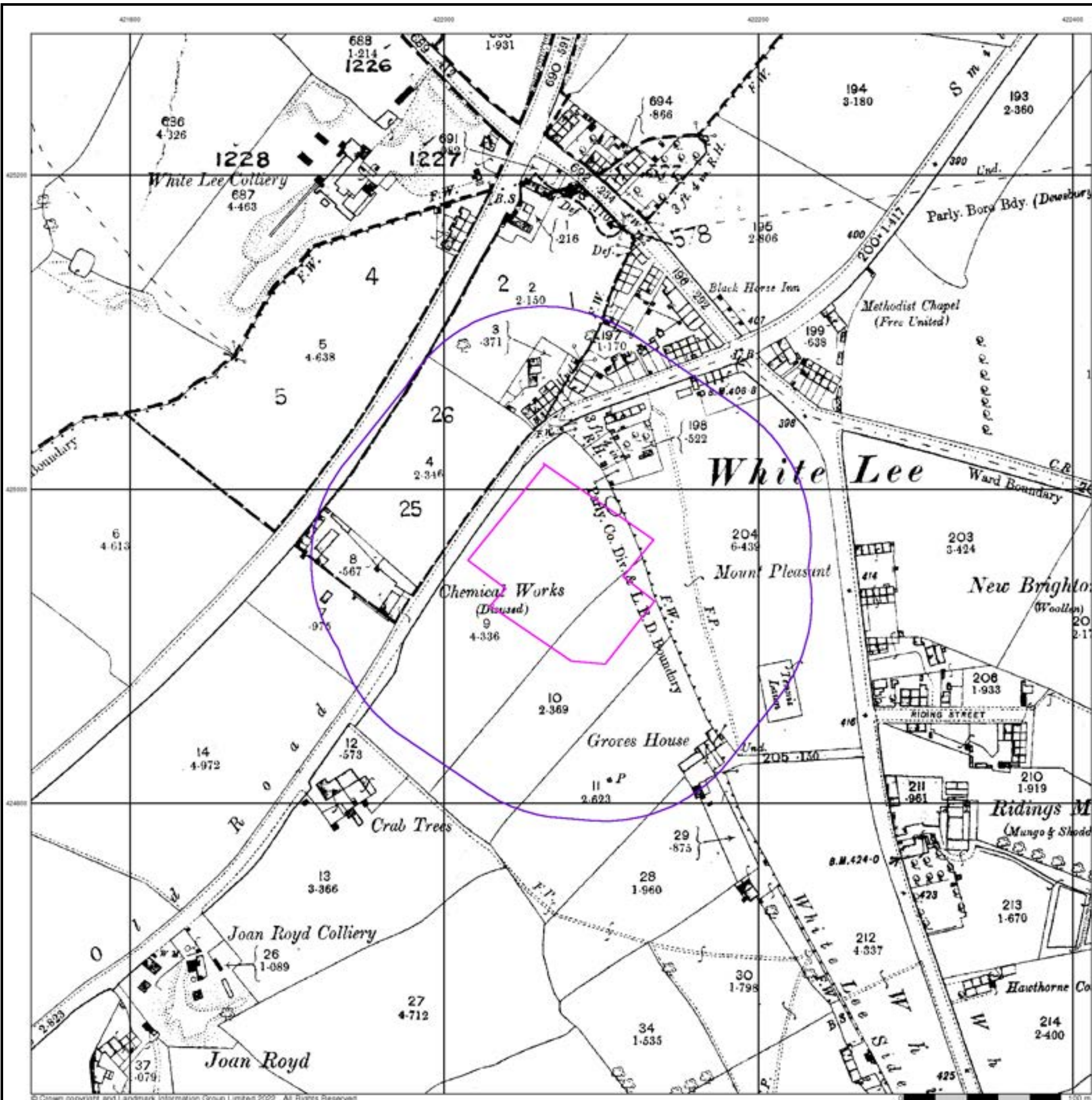
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 100

Site Details

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Yorkshire

Published 1907

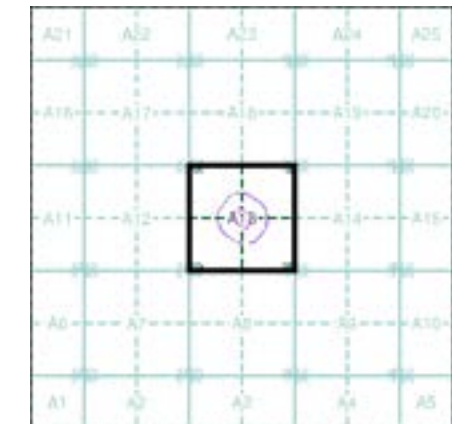
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

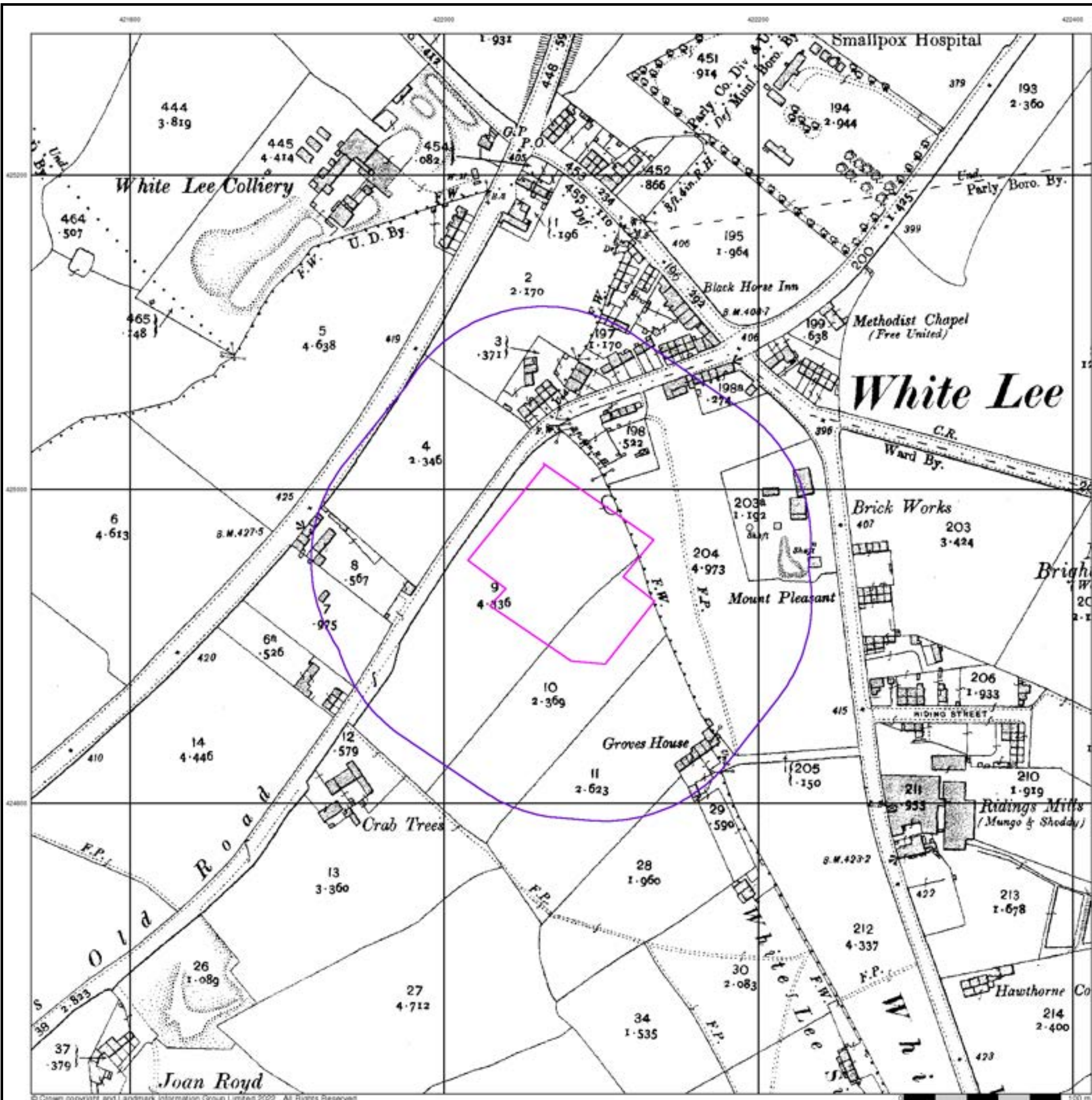
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 100

Site Details

Co-Op Academy Smithies Moor, Leeds Old Road,  
HECKMONDWIKE, WF16 9BB



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





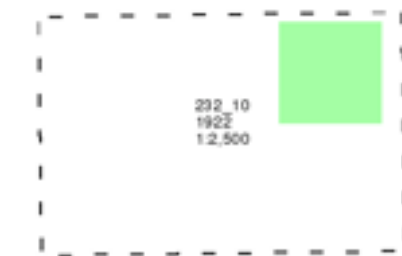
Yorkshire

Published 1922

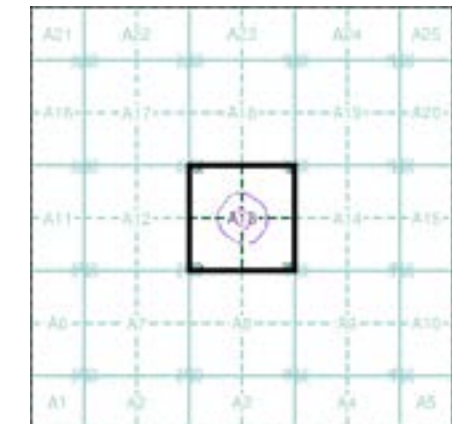
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

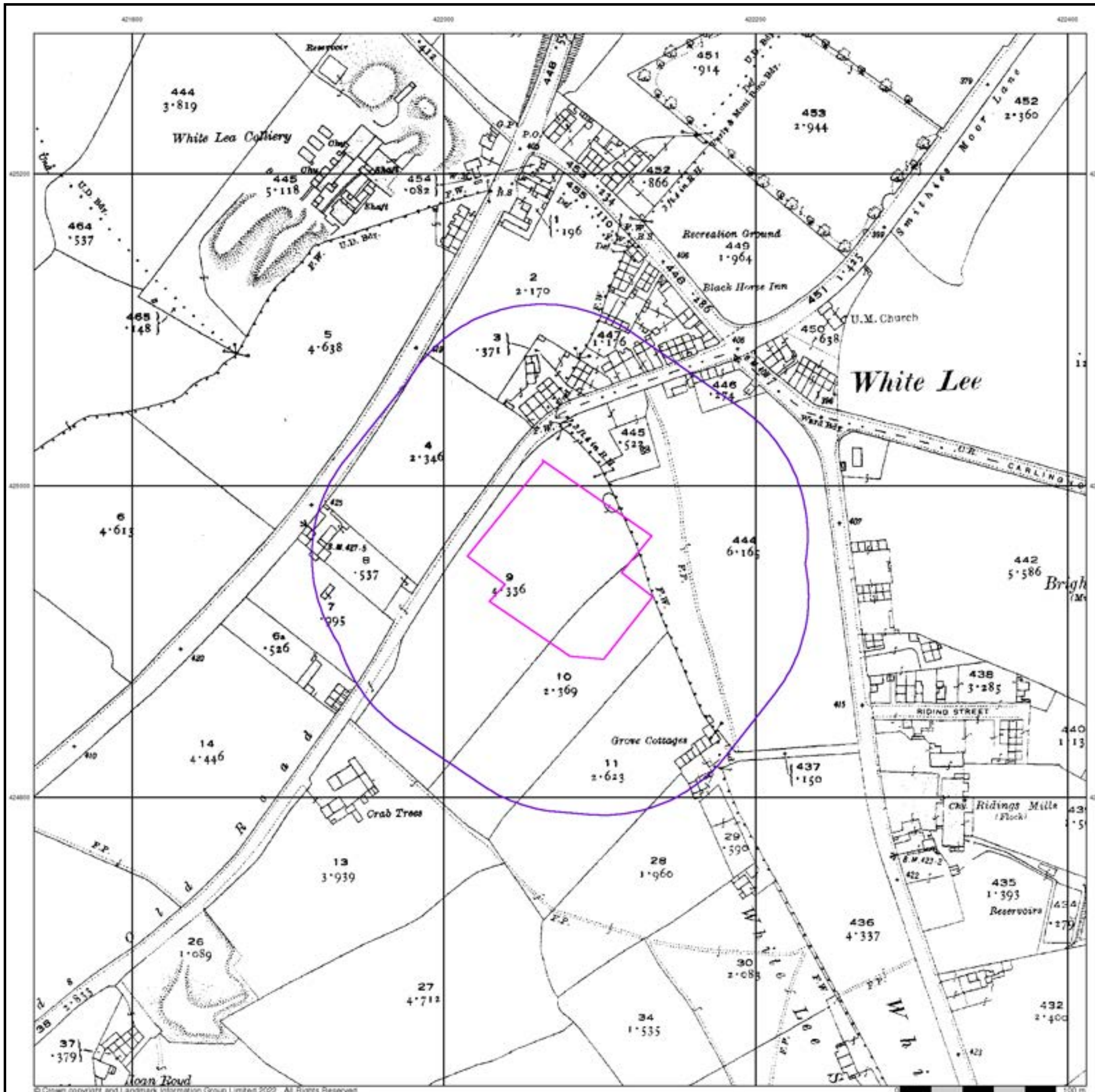
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
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Search Buffer (m): 100

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Yorkshire

Published 1938

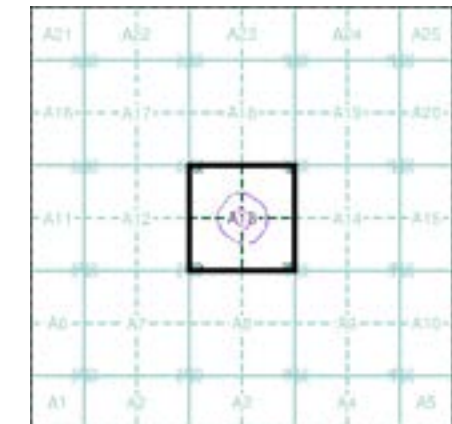
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

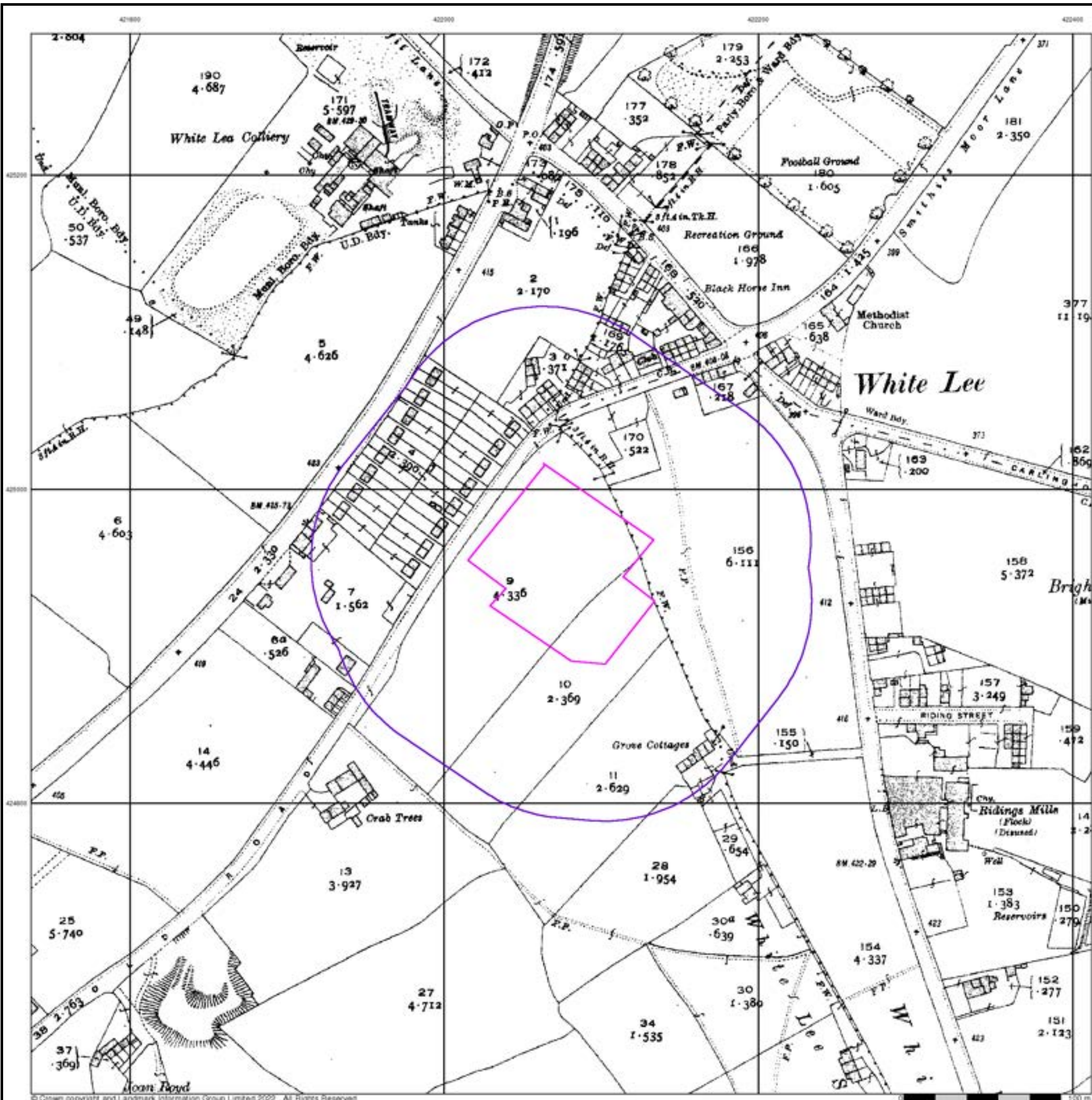
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Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 100

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### Ordnance Survey Plan

Published 1956

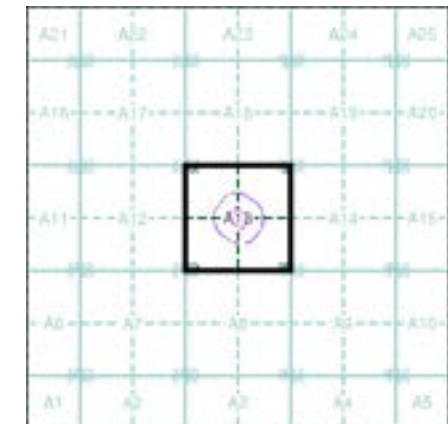
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)

SE2125SE 1956 1:1,250	SE2225SW 1956 1:1,250
SE2124NE 1956 1:1,250	SE2224NW 1956 1:1,250

### Historical Map - Segment A13



### Order Details

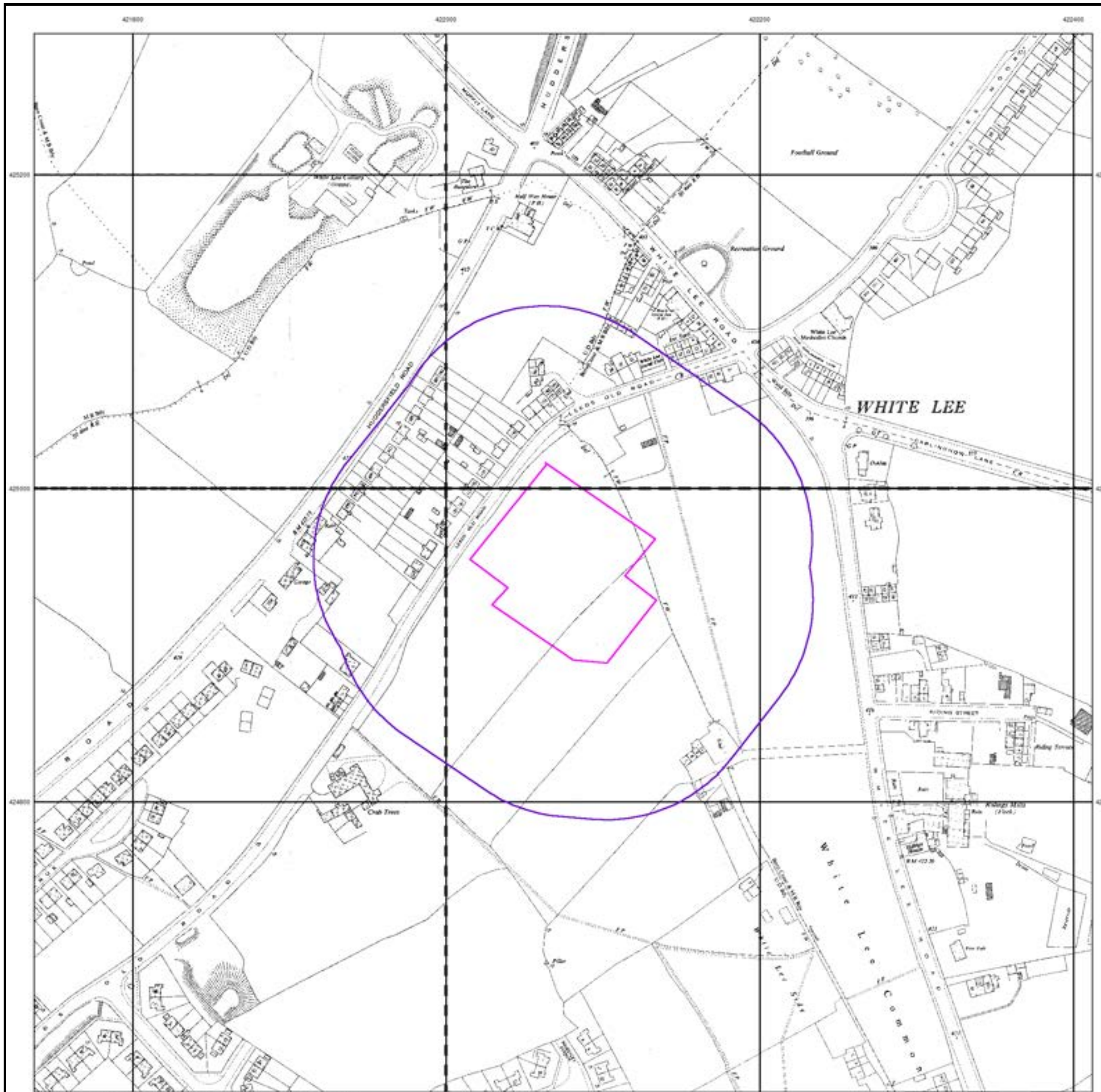
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 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 100

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 HECKMONDWIKE, WF16 9BB



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### Ordnance Survey Plan

Published 1956

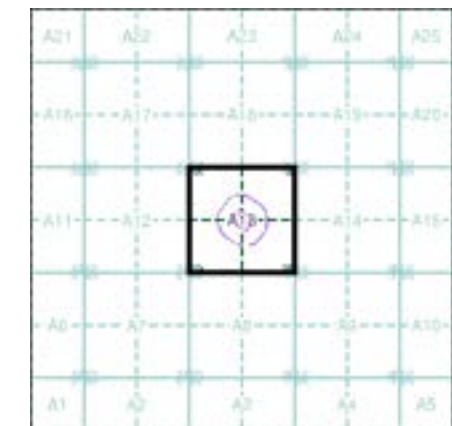
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)

SE2125	1956	1:2,500	SE2225	1956	1:2,500
SE2124	1956	1:2,500	SE2224	1956	1:2,500

### Historical Map - Segment A13



### Order Details

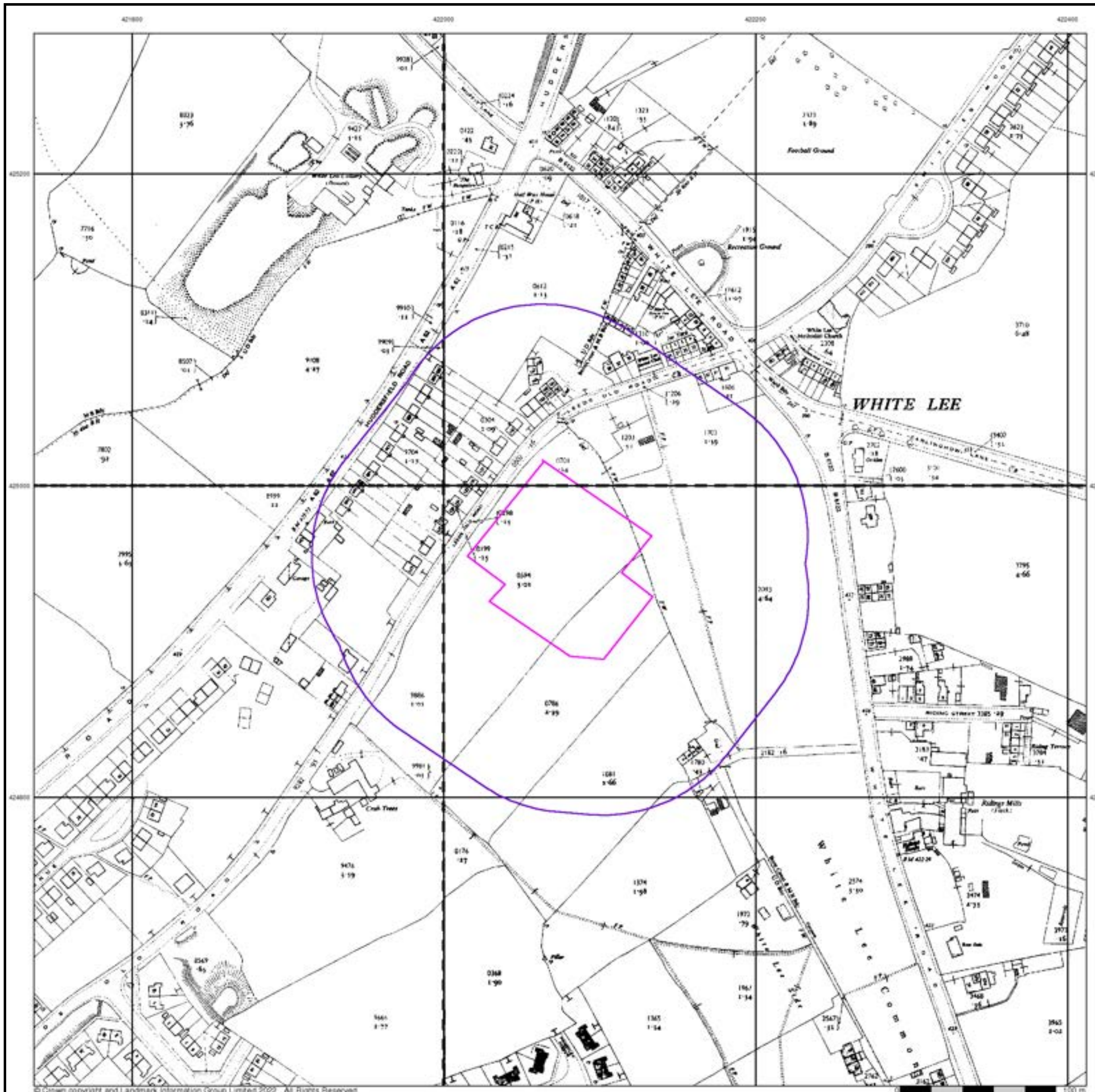
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 100

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 HECKMONDWIKE, WF16 9BB



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### Additional SIMs

Published 1956 - 1978

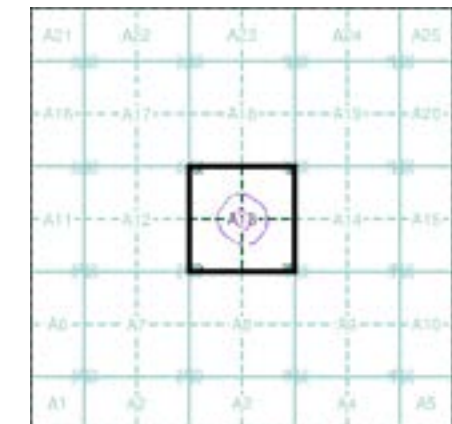
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)

SE2125SE	SE2225W
1956	1960
1:1,250	1:1,250
SE2124NE	SE2224NW
1972	1978
1:1,250	1:1,250

### Historical Map - Segment A13



### Order Details

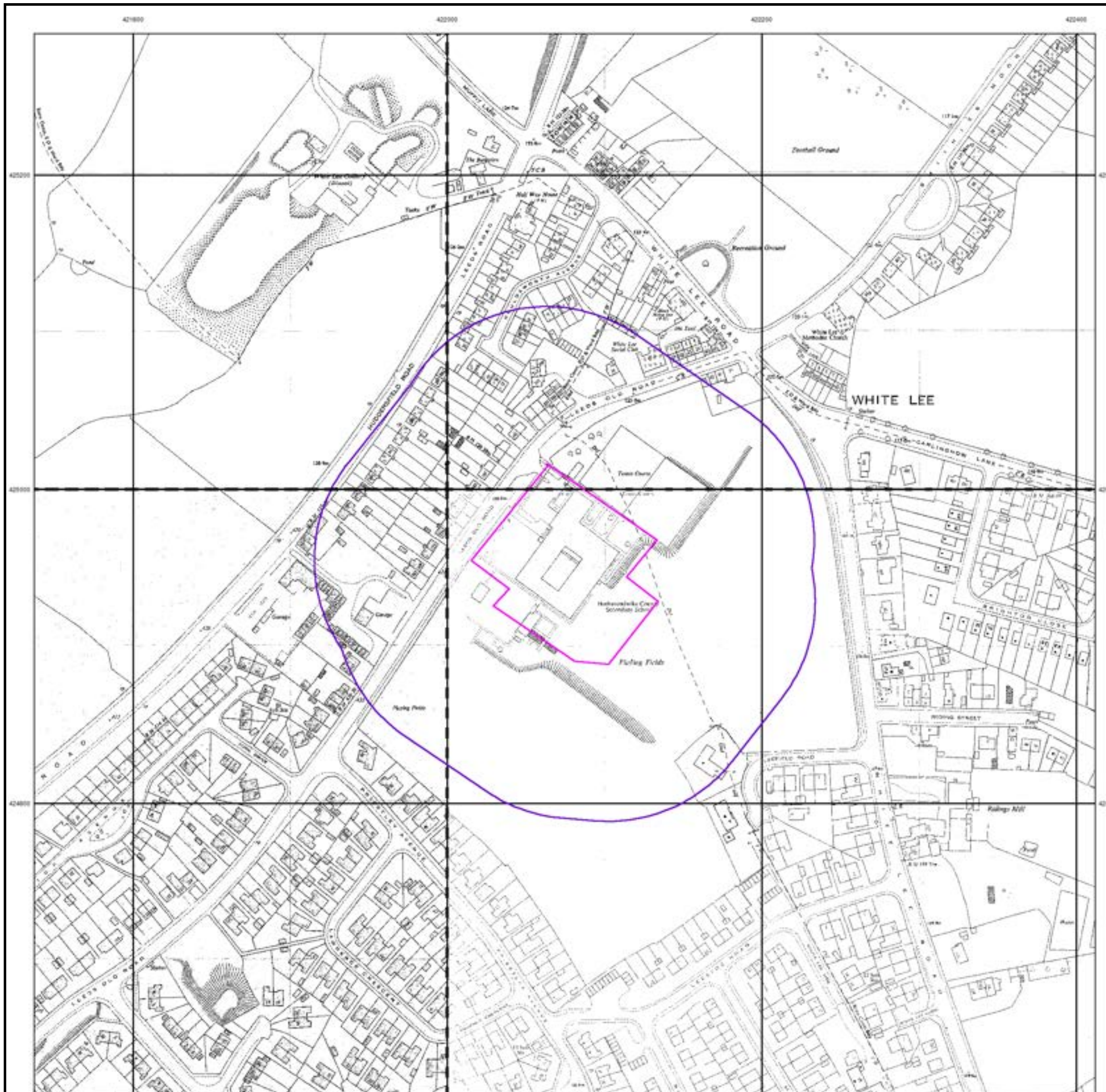
Order Number: 302714435\_1\_1  
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 National Grid Reference: 422080, 424950  
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 Search Buffer (m): 100

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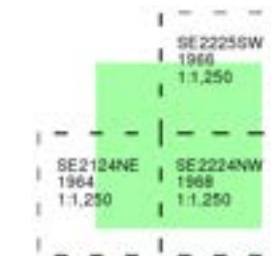
### Ordnance Survey Plan

Published 1964 - 1968

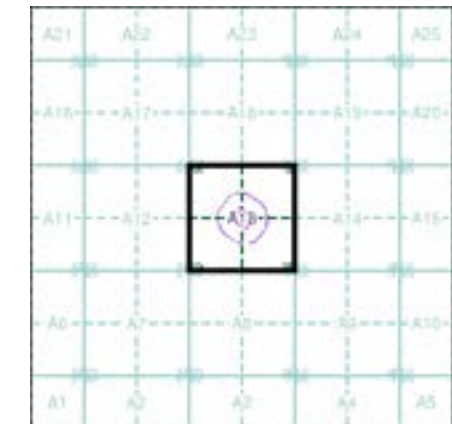
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

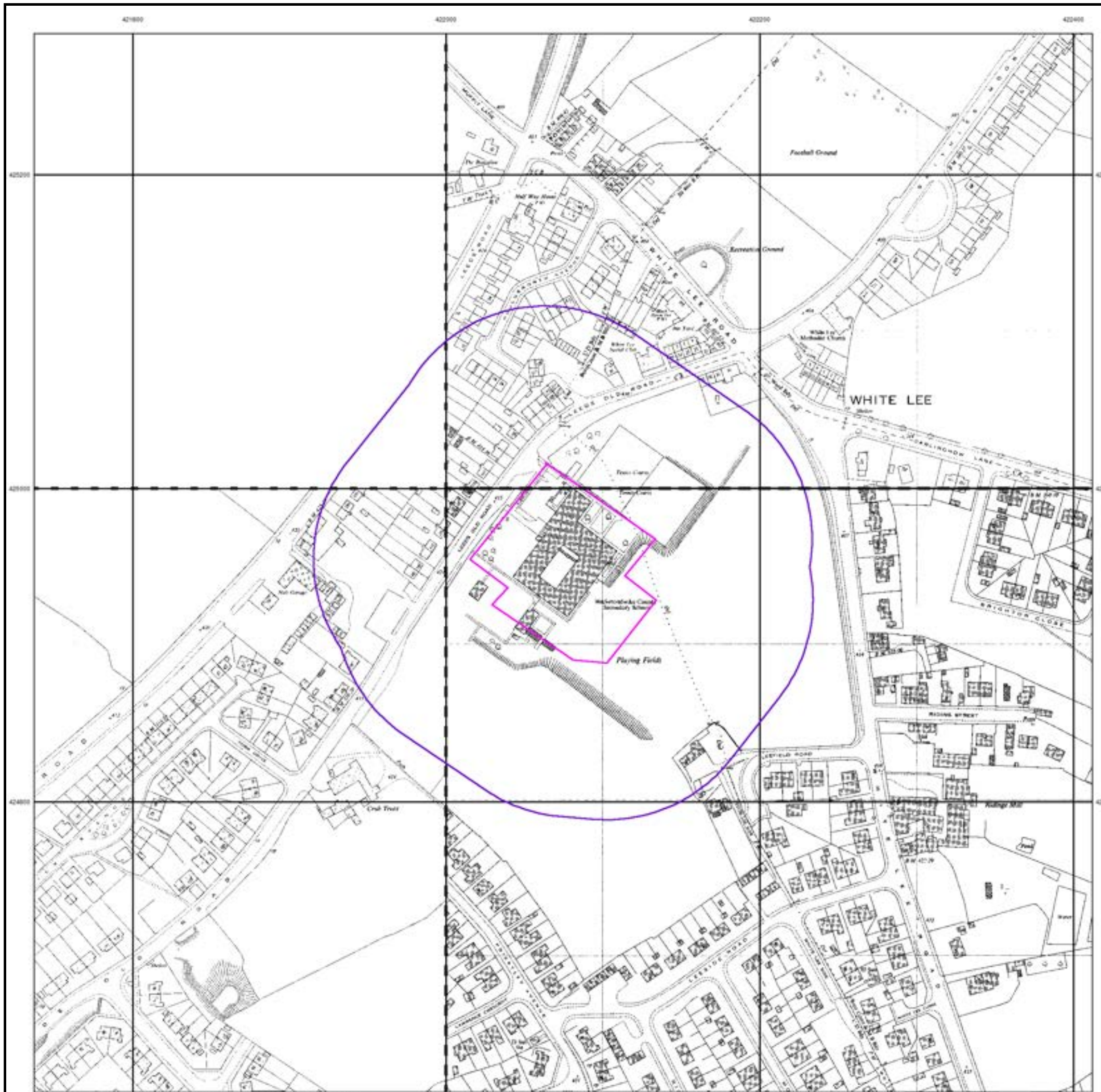
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 100

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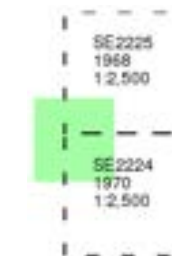
### Ordnance Survey Plan

Published 1968 - 1970

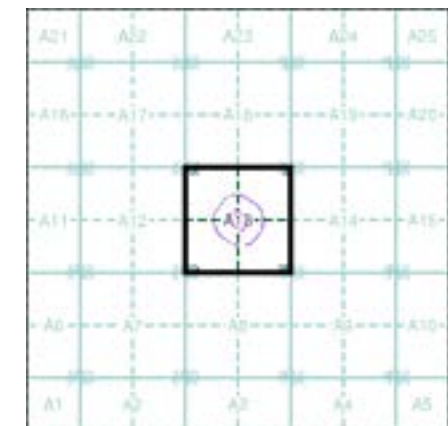
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

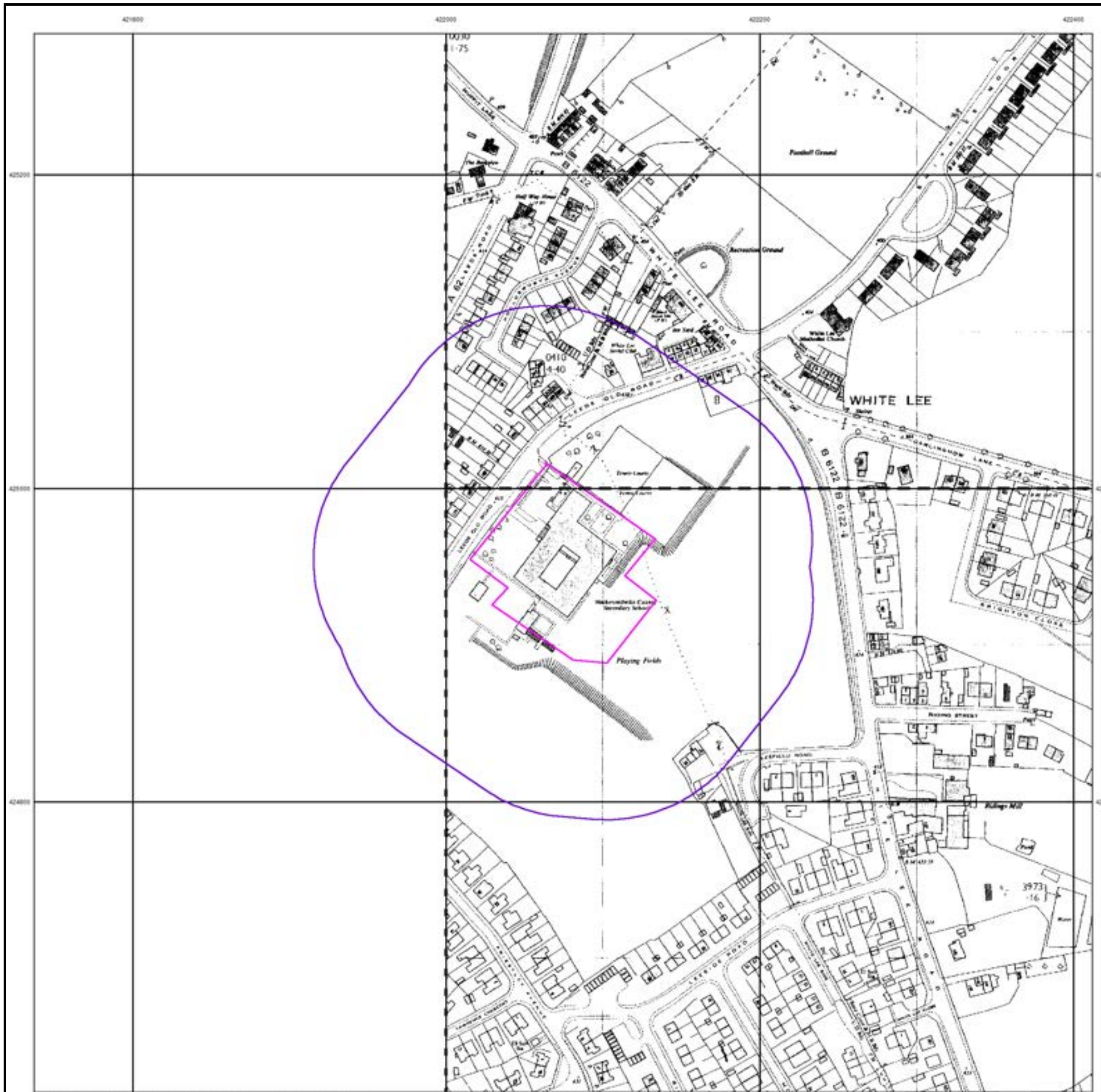
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 100

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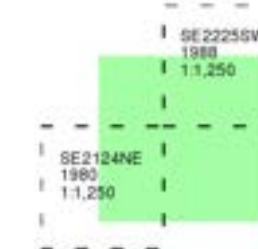
### Additional SIMs

Published 1980 - 1988

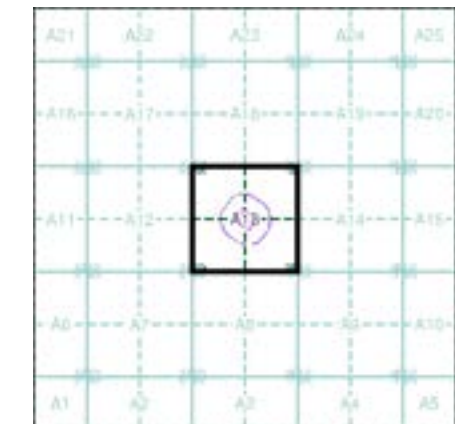
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

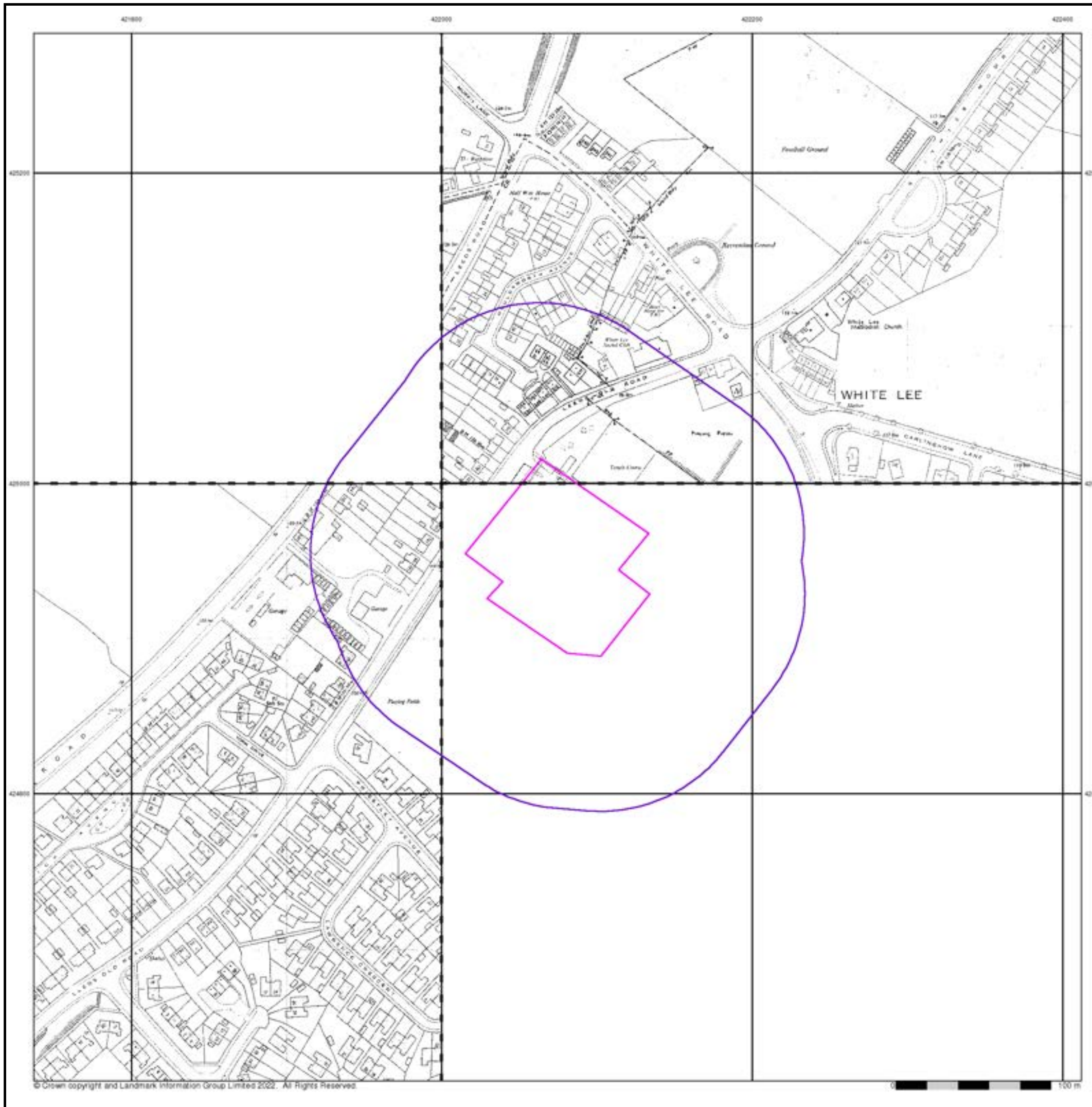
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Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 100

### Site Details

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HECKMONDWIKE, WF16 9BB



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





## Large-Scale National Grid Data

Published 1992 - 1993

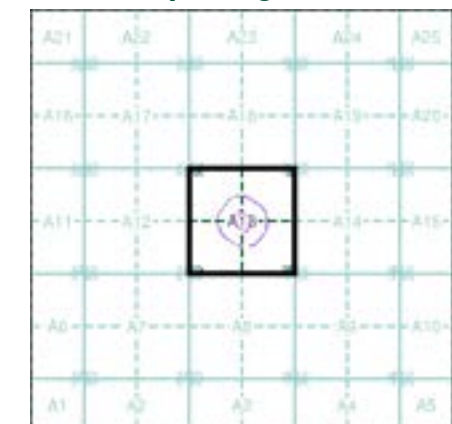
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)

SE2125SE 1993 1:1,250	SE2225W 1993 1:1,250
SE2124NE 1992 1:1,250	SE2224NW 1992 1:1,250

### Historical Map - Segment A13



### Order Details

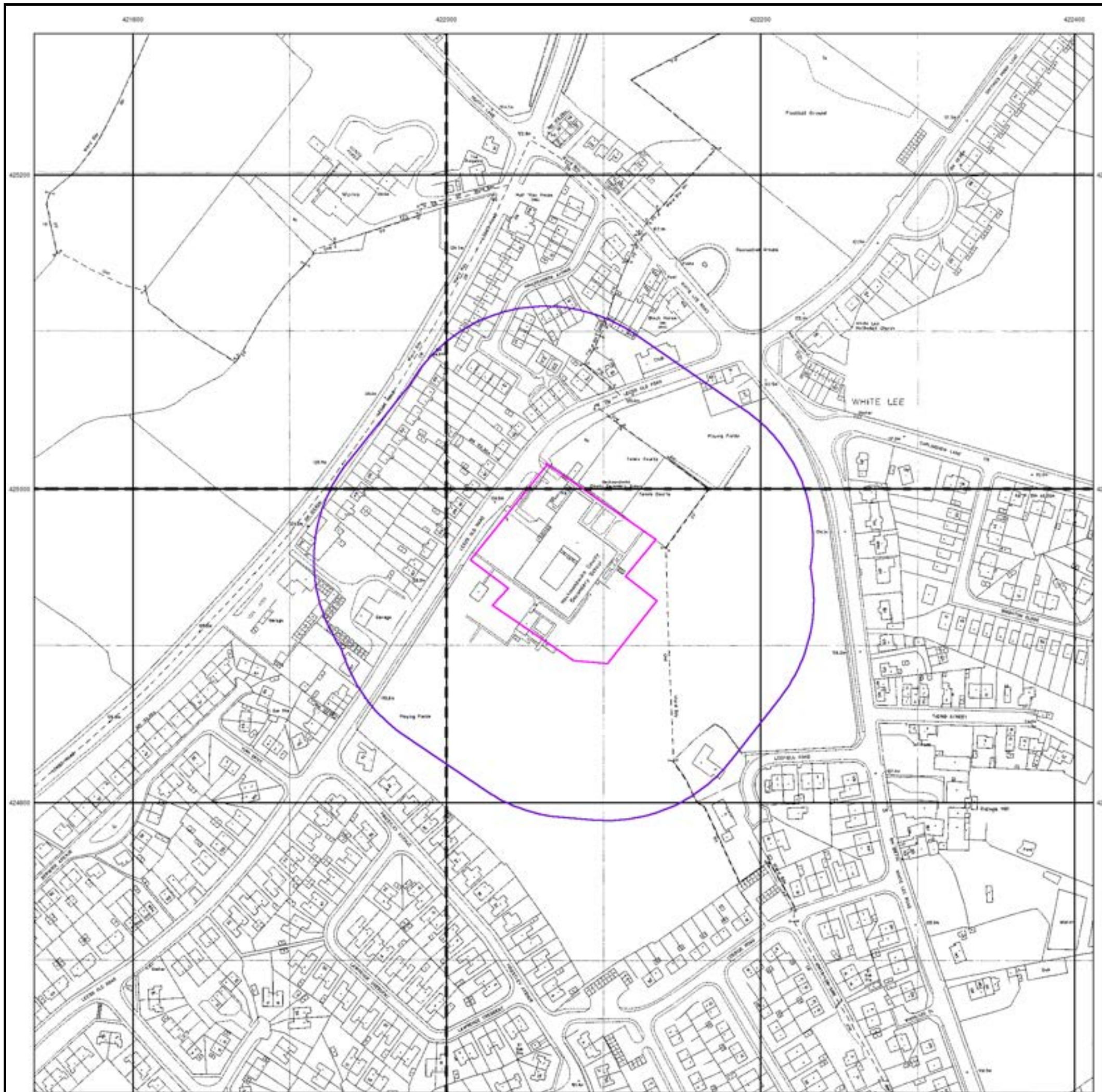
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 100

### Site Details

Co-Op Academy Smithies Moor, Leeds Old Road,  
 HECKMONDWIKE, WF16 9BB



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



# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

Gravel Pit, Sand Pit, Other Pits, Quarry, Shingle, Orchard, Osiers, Reeds, Marsh, Mixed Wood, Deciduous, Brushwood, Fir, Furze, Rough Pasture, Arrow denotes flow of water, Trigonometrical Station, Site of Antiquities, Bench Mark, Pump, Guide Post, Signal Post, Well, Spring, Boundary Post, **•285** Surface Level, Sketched Contour, Instrumental Contour, Main Roads (Fenced/Un-Fenced), Minor Roads (Fenced/Un-Fenced), Sunken Road, Raised Road, Road over Railway, Railway over River, Railway over Road, Level Crossing, Road over River or Canal, Road over Stream, Road over Stream, County Boundary (Geographical), County & Civil Parish Boundary, Administrative County & Civil Parish Boundary, County Borough Boundary (England), County Borough Boundary (Scotland), Rural District Boundary, Civil Parish Boundary

## Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry, Gravel Pit, Sand Pit, Disused Pit or Quarry, Refuse or Slag Heap, Lake, Loch or Pond, Dunes, Boulders, Coniferous Trees, Non-Coniferous Trees, Orchard, Scrub, Coppice, Bracken, Heath, Rough Grassland, Marsh, Reeds, Saltings, Building, Glasshouse, Sloping Masonry, Pylon, Electricity Transmission Line, Pole, Cutting, Embankment, Standard Gauge Multiple Track, Standard Gauge Single Track, Siding, Tramway or Mineral Line, Narrow Gauge, Geographical County, Administrative County, County Borough or County of City, Municipal Borough, Urban or Rural District, Borough, Burgh or County Constituency, Civil Parish, BP, BS, Ch, CH, F E Sta, FB, Fn, GP, MP, MS, Poi Sta, PO, PC, PH, SB, Spr, TCB, TCP, W, Police Station, Post Office, Public Convenience, Public House, Signal Box, Spring, Telephone Call Box, Telephone Call Post, Well, General Building, Important Building

## 1:10,000 Raster Mapping

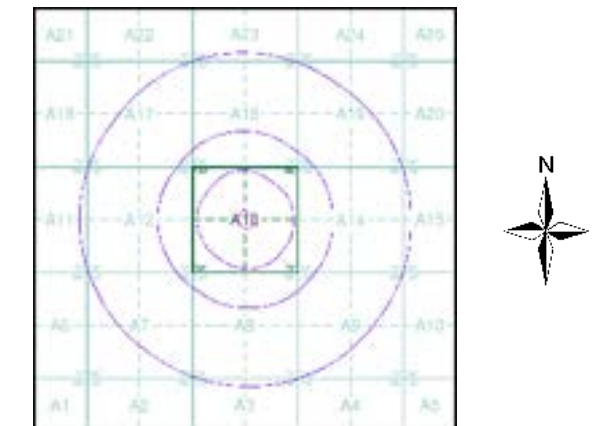
Gravel Pit, Refuse tip or slag heap, Rock, Rock (scattered), Boulders, Boulders (scattered), Shingle, Mud, Sand, Sand Pit, Slopes, Top of cliff, General detail, Underground detail, Overhead detail, Narrow gauge railway, Multi-track railway, Single track railway, County boundary (England only), District, Unitary, Metropolitan, London Borough boundary, Civil, parish or community boundary, Constituency boundary, Area of wooded vegetation, Non-coniferous trees, Non-coniferous trees (scattered), Coniferous trees, Coniferous trees (scattered), Positioned tree, Orchard, Coppice or Osiers, Rough Grassland, Heath, Scrub, Marsh, Salt Marsh or Reeds, Water feature, Flow arrows, Mean high water (springs), Mean low water (springs), Telephone line (where shown), Electricity transmission line (with poles), Bench mark (where shown), Triangulation station, Point feature (e.g. Guide Post or Mile Stone), Pylon, flare stack or lighting tower, Site of (antiquity), Glasshouse, General Building, Important Building



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854	2
Yorkshire	1:10,560	1894 - 1895	3
Yorkshire	1:10,560	1908	4
Yorkshire	1:10,560	1931 - 1932	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1955	9
Ordnance Survey Plan	1:10,000	1966 - 1967	10
Ordnance Survey Plan	1:10,000	1974 - 1976	11
Ordnance Survey Plan	1:10,000	1983 - 1986	12
Ordnance Survey Plan	1:10,000	1989	13
Ordnance Survey Plan	1:10,000	1995	14
10K Raster Mapping	1:10,000	2000	15
Street View	Variable		16

## Historical Map - Slice A



## Order Details

Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

## Site Details

Co-Op Academy Smithies Moor, Leeds Old Road,  
 HECKMONDWIKE, WF16 9BB



Tel: 0844 844 9952  
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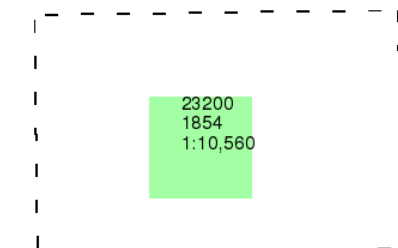
Yorkshire

Published 1854

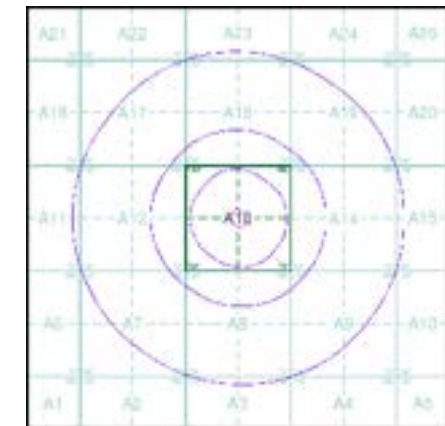
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

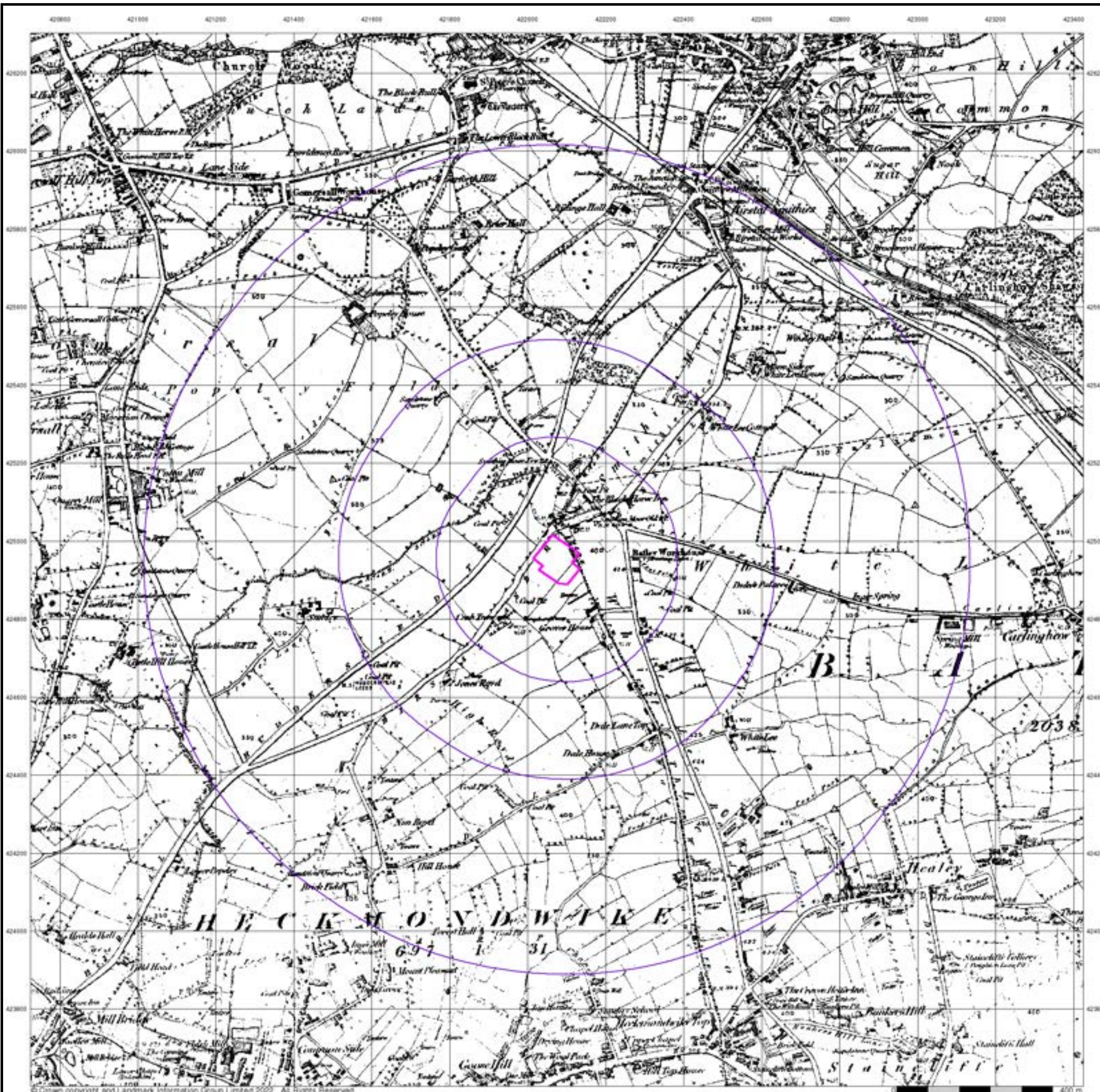
Order Number: 302714435\_1\_1
Customer Ref: 350555
National Grid Reference: 422080, 424950
Slice: A
Site Area (Ha): 0.89
Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1894 - 1895

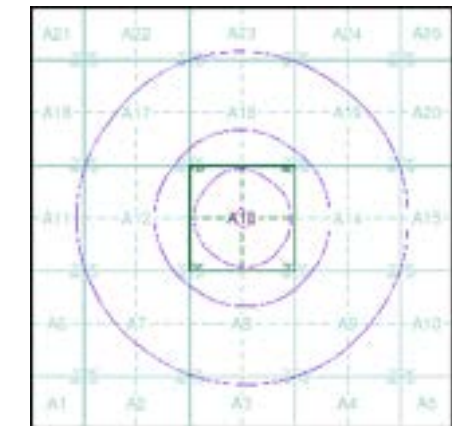
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

232NW 1894 1:10,560	232NE 1894 1:10,560
232SW 1894 1:10,560	232SE 1895 1:10,560

Historical Map - Slice A



Order Details

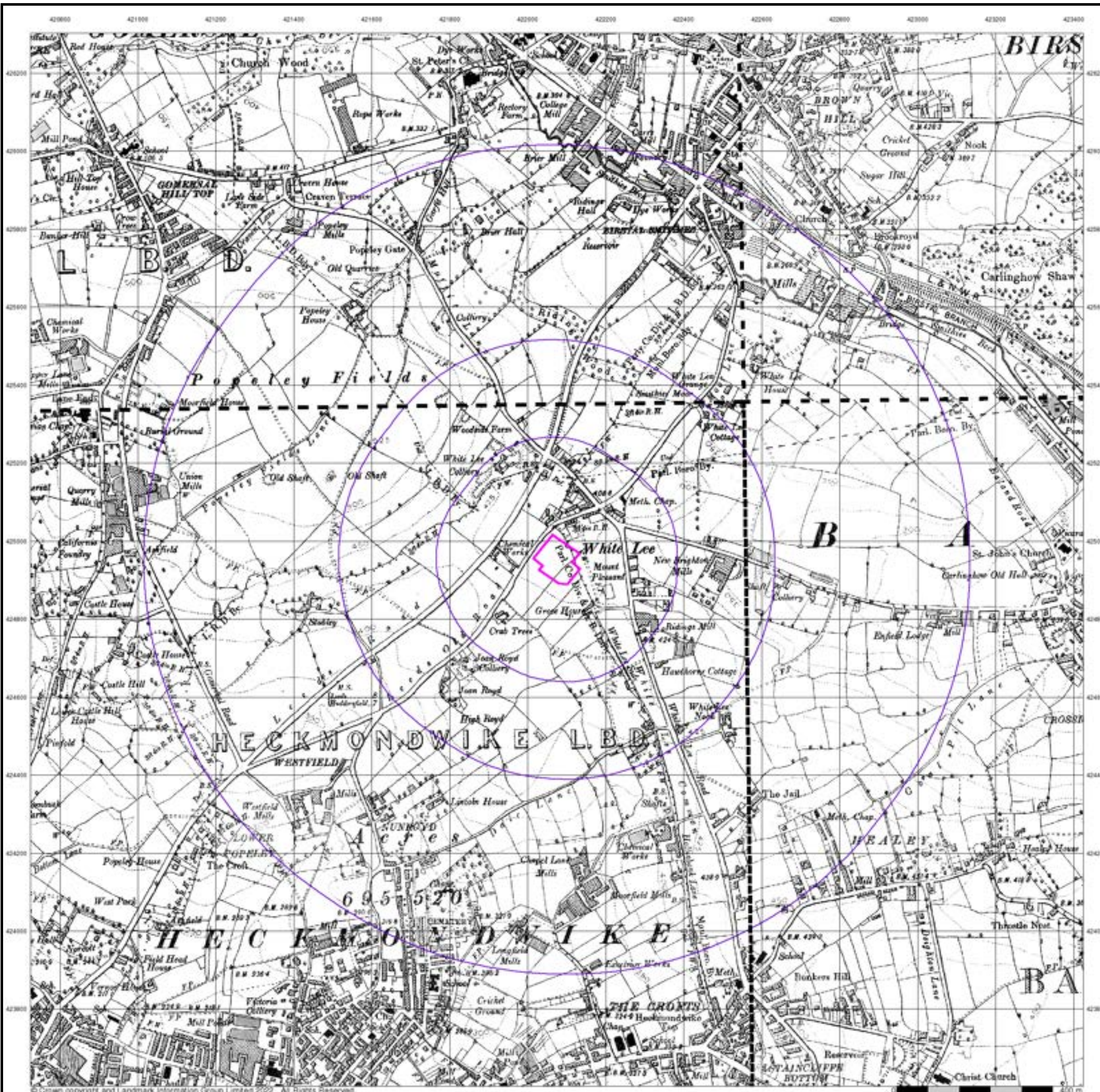
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
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 Slice: A  
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 Search Buffer (m): 1000

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Yorkshire

Published 1908

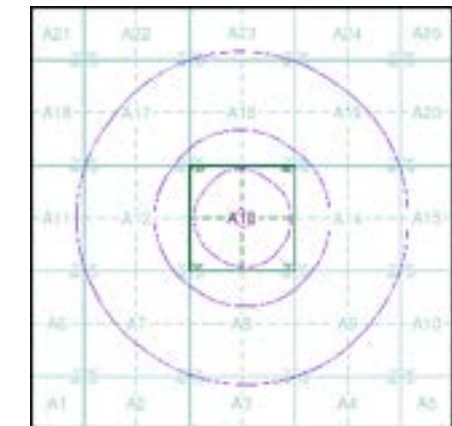
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

232NW 1908 1:10,560	232NE 1908 1:10,560
232SW 1908 1:10,560	232SE 1908 1:10,560

Historical Map - Slice A



Order Details

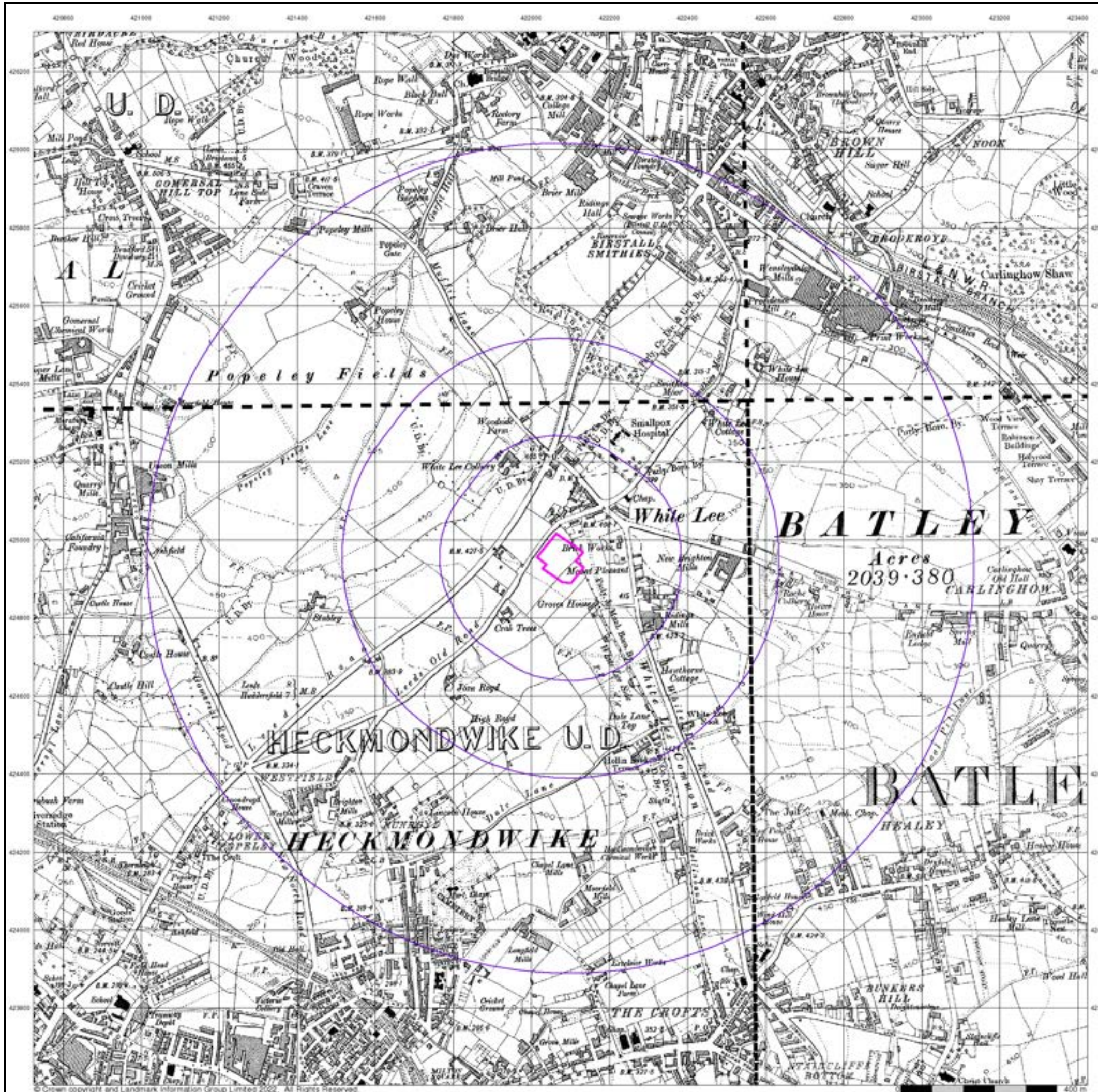
Order Number: 302714435\_1\_1  
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 Search Buffer (m): 1000

Site Details

Co-Op Academy Smithies Moor, Leeds Old Road,  
 HECKMONDWIKE, WF16 9BB



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





Yorkshire

Published 1931 - 1932

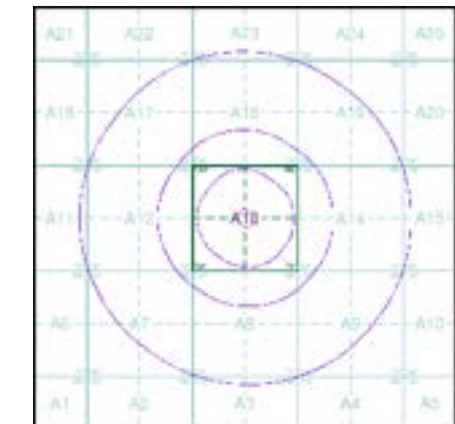
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

232NW 1932 1:10,560	232NE 1932 1:10,560
232SW 1931 1:10,560	232SE 1931 1:10,560

Historical Map - Slice A



Order Details

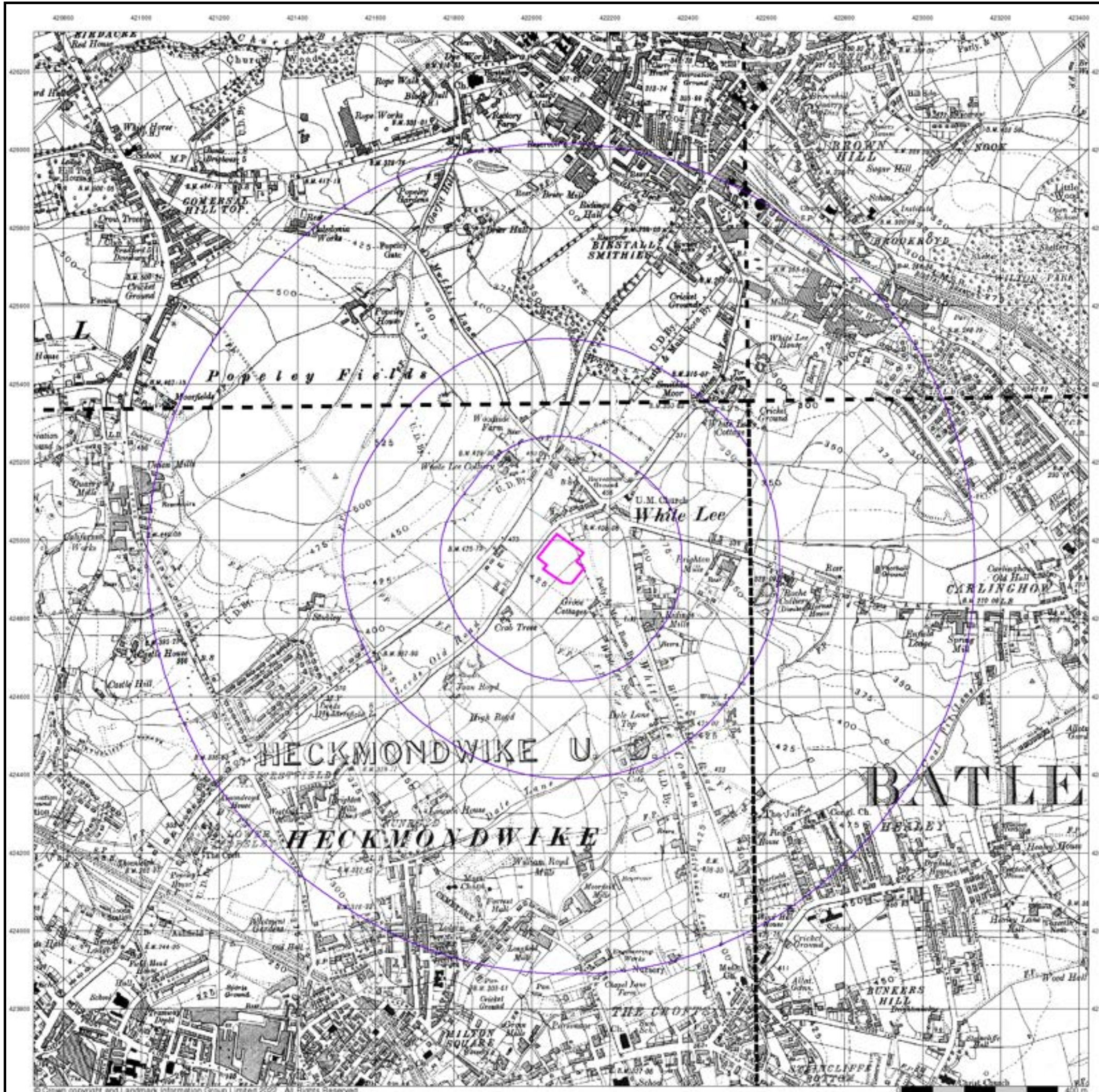
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 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1938

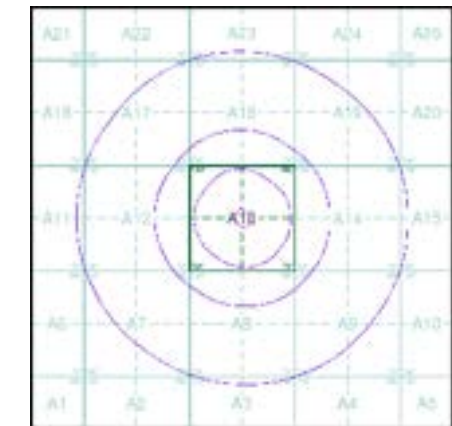
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

232NW 1938 1:10,560	232NE 1938 1:10,560
232SW 1938 1:10,560	232SE 1938 1:10,560

Historical Map - Slice A



Order Details

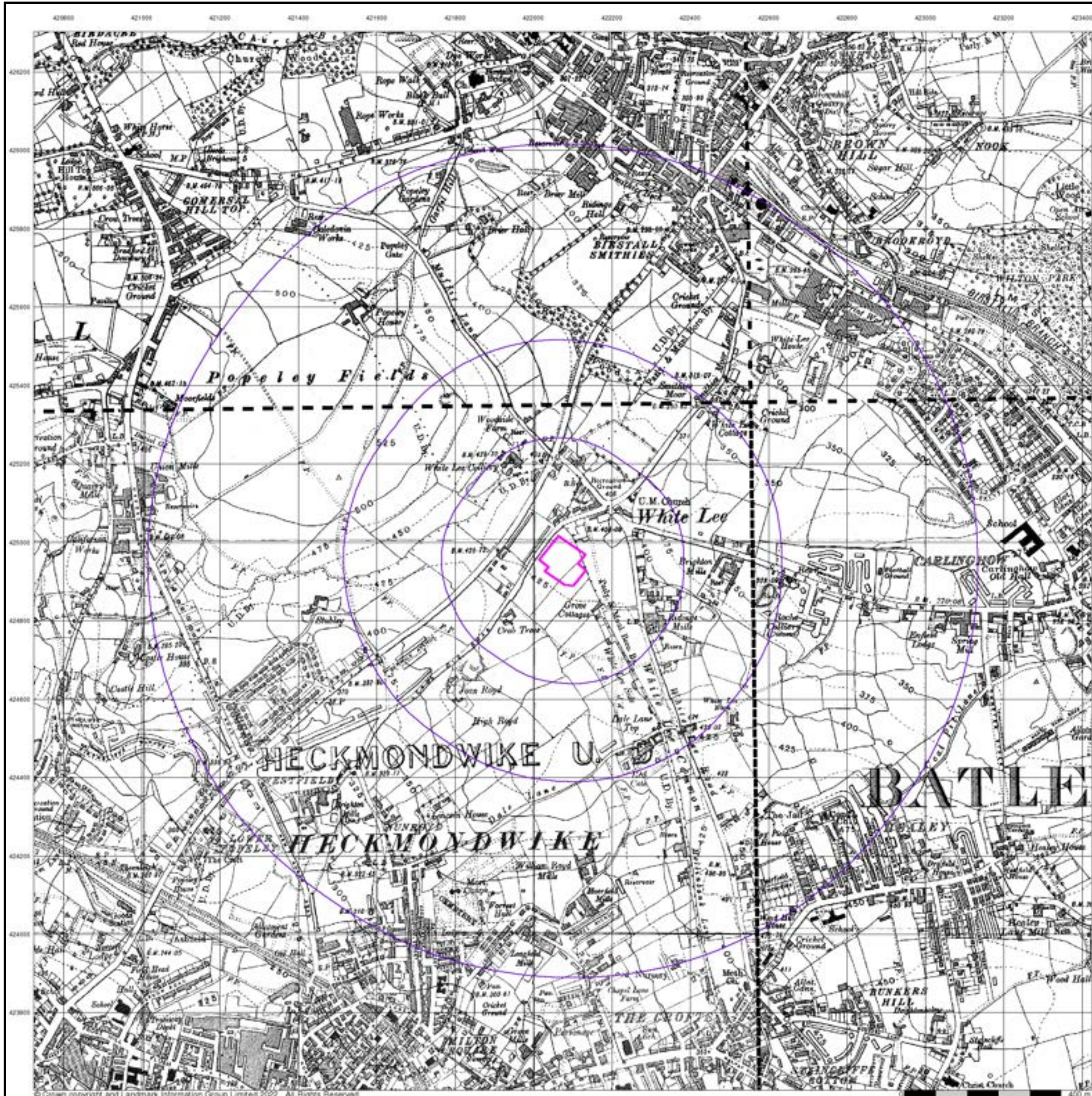
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

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Yorkshire

Published 1938 - 1948

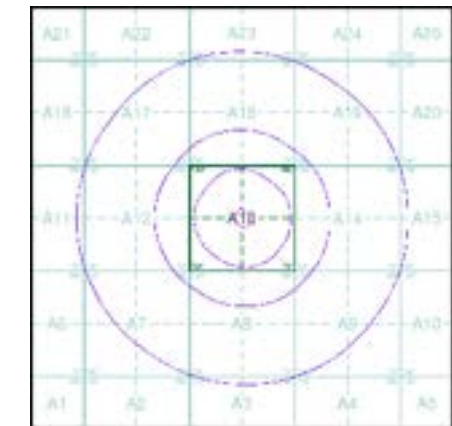
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

232NW 1948 1:10,560	232NE 1938 1:10,560
232SW 1938 1:10,560	232SE 1948 1:10,560

Historical Map - Slice A



Order Details

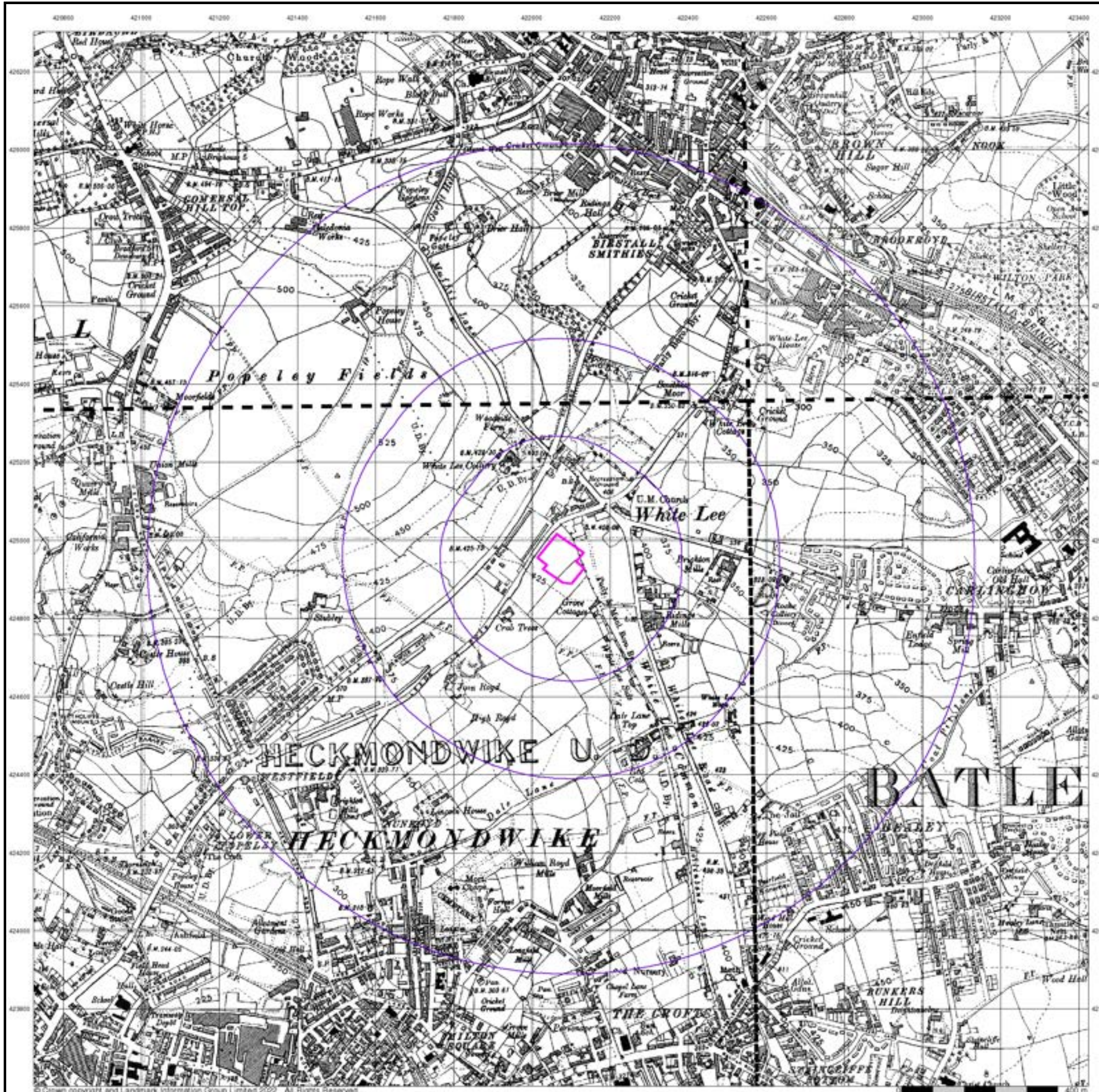
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

Site Details

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 HECKMONDWIKE, WF16 9BB



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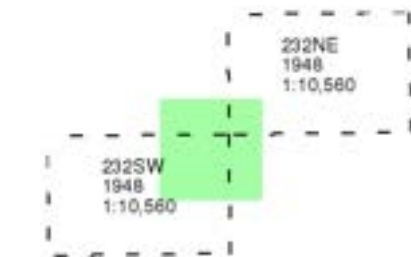
Yorkshire

Published 1948

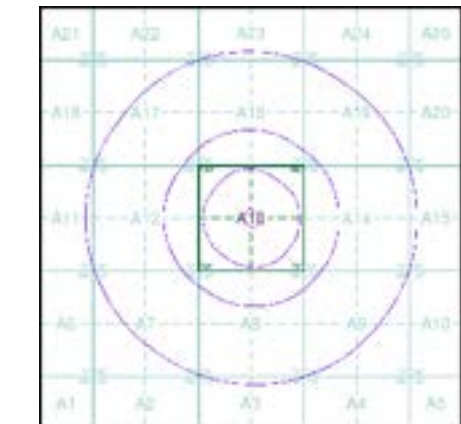
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

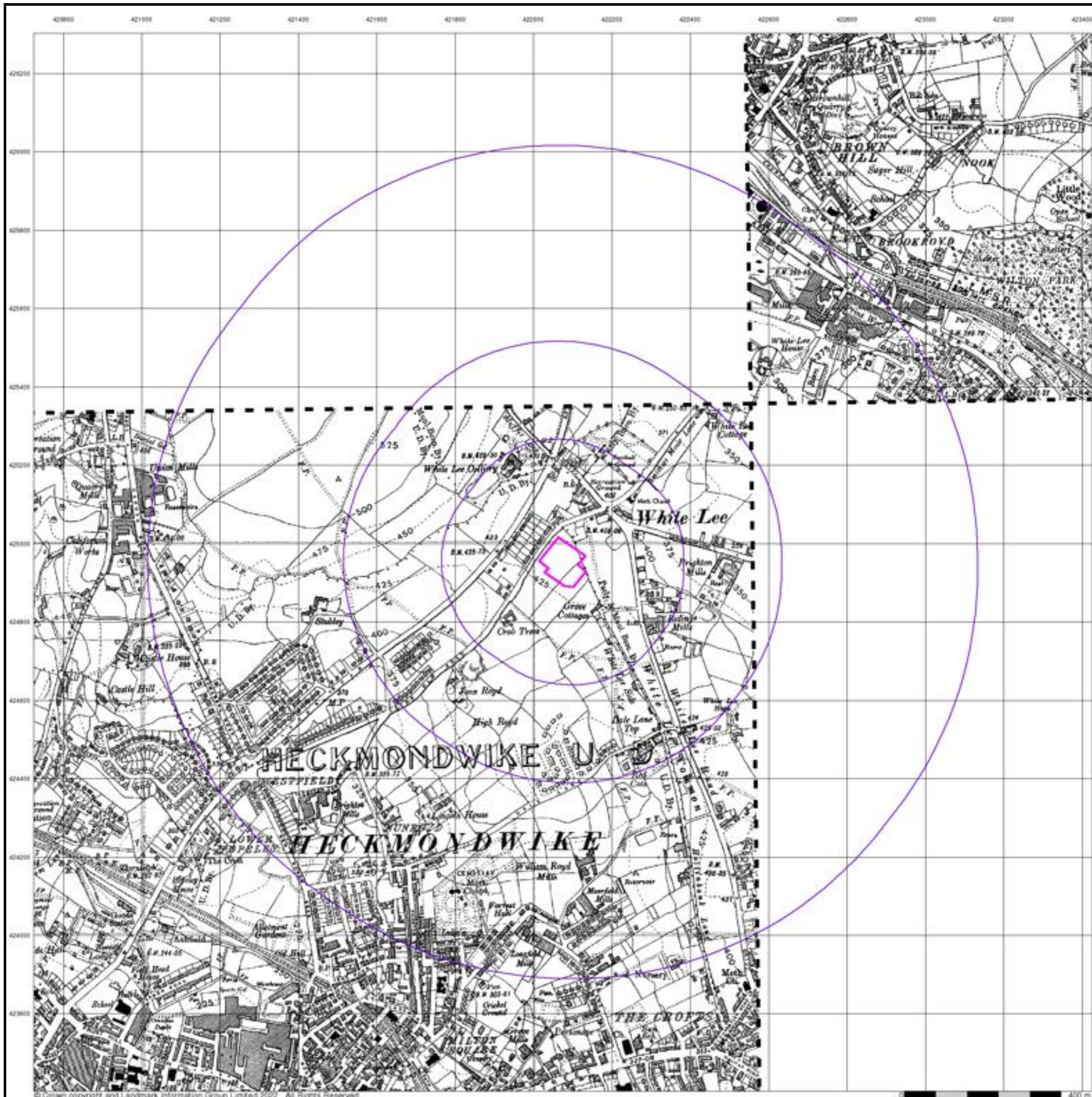
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

Site Details

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### Ordnance Survey Plan

Published 1955

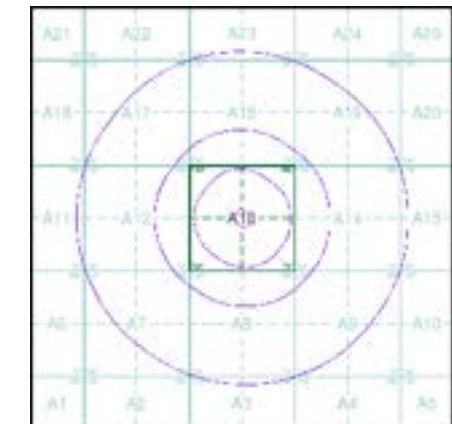
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

### Site Details

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### Ordnance Survey Plan

Published 1966 - 1967

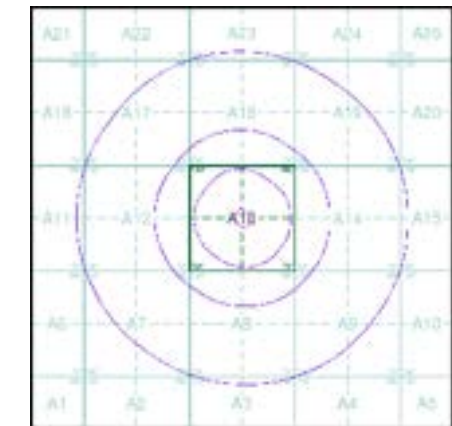
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)

SE22NW	1966
1:10,560	
SE22SW	1967
1:10,560	

### Historical Map - Slice A



### Order Details

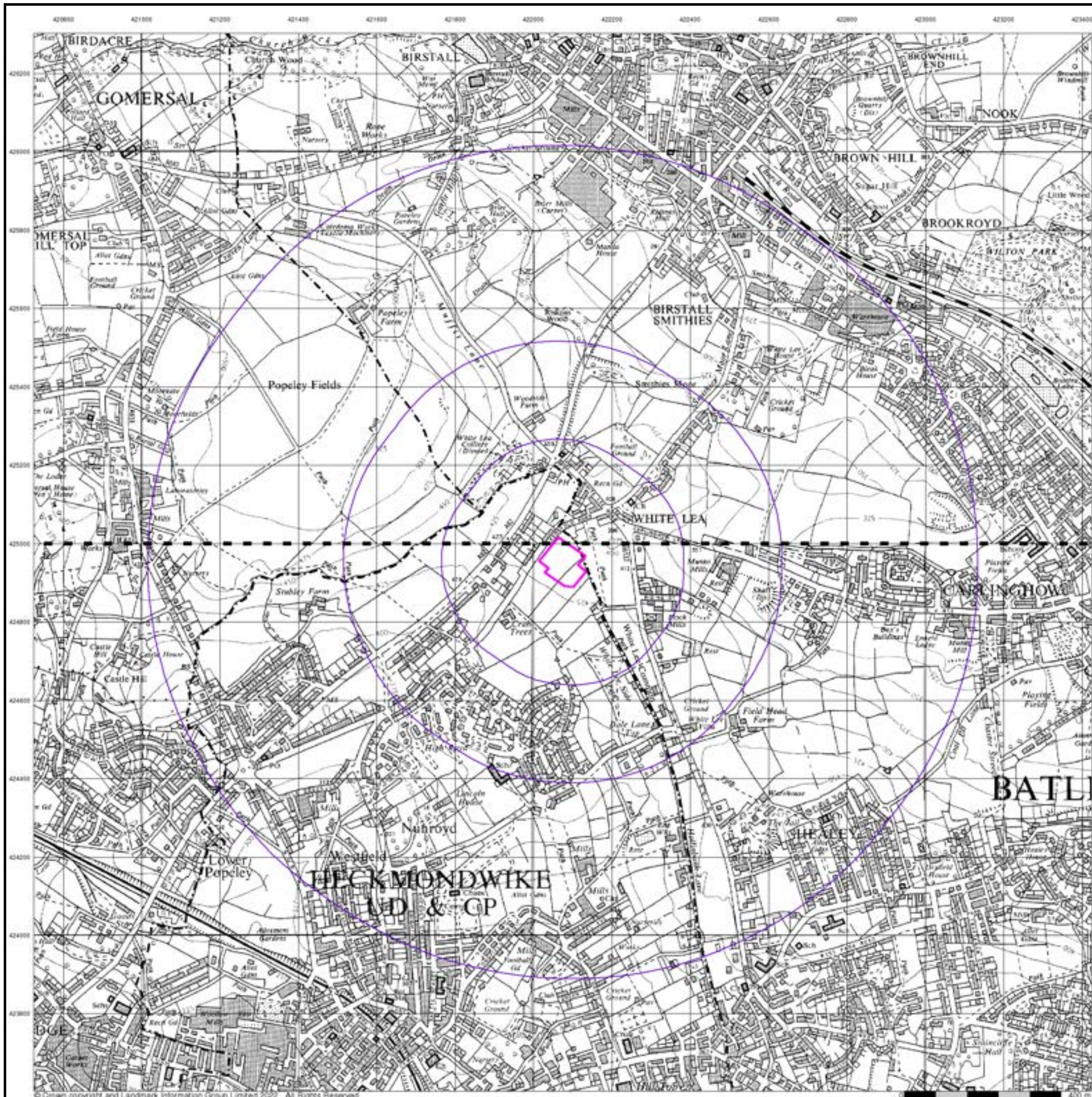
Order Number: 302714435\_1\_1  
 Customer Ref: 350555  
 National Grid Reference: 422080, 424950  
 Slice: A  
 Site Area (Ha): 0.89  
 Search Buffer (m): 1000

### Site Details

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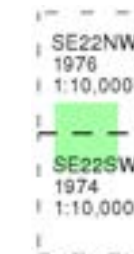
### Ordnance Survey Plan

Published 1974 - 1976

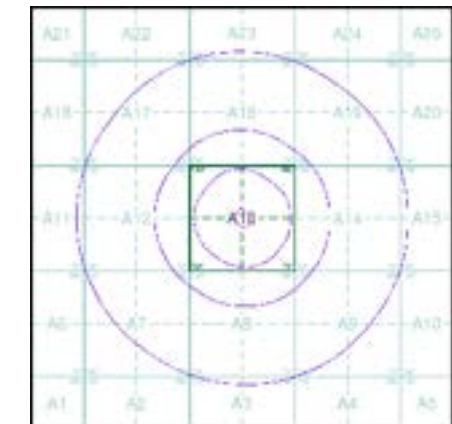
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

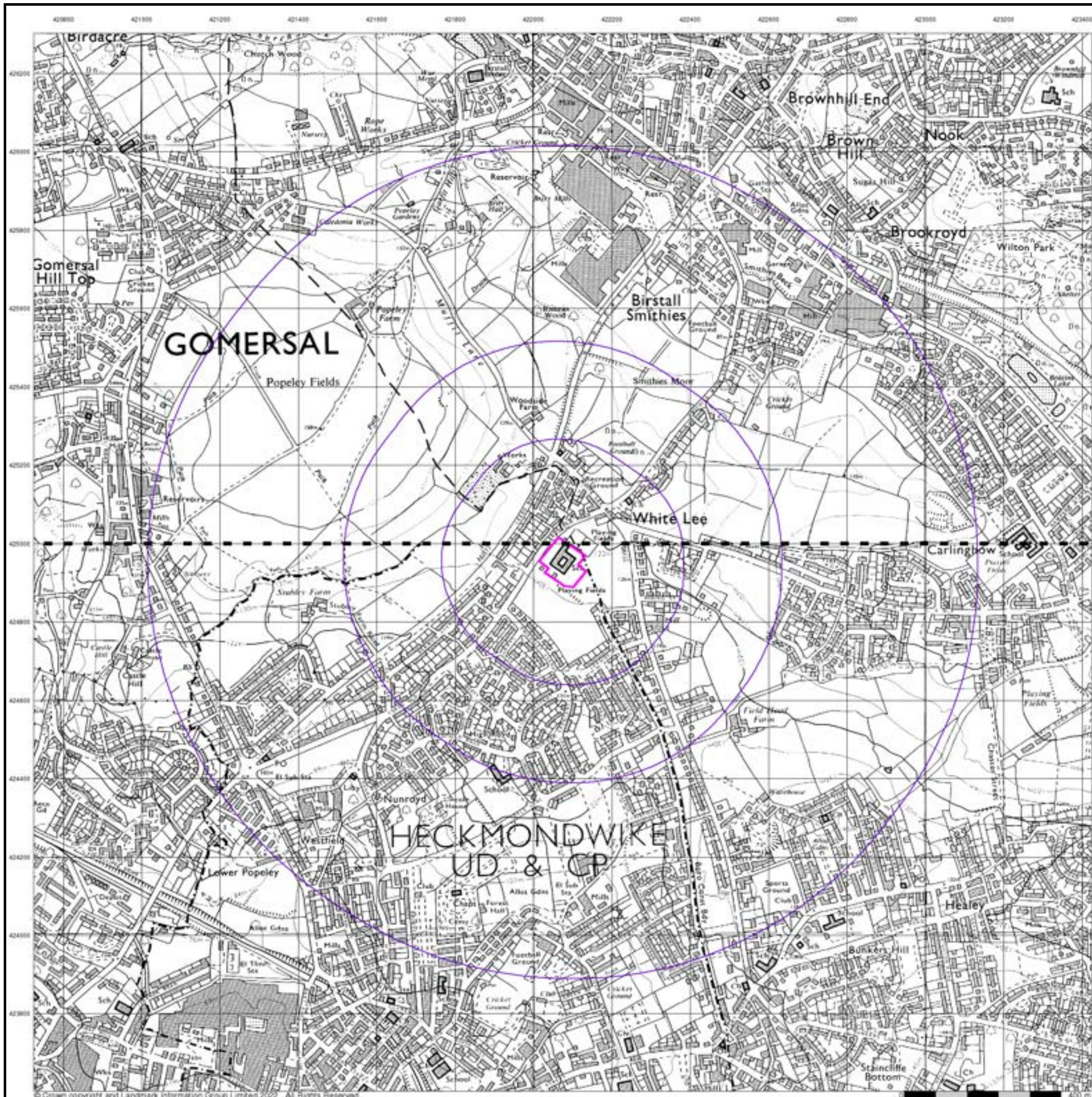
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

### Site Details

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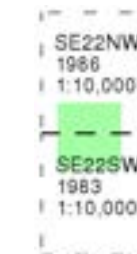
### Ordnance Survey Plan

Published 1983 - 1986

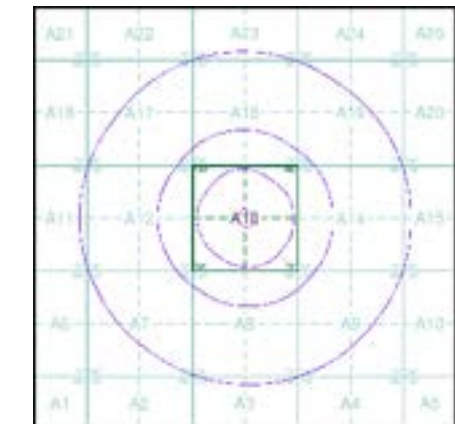
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

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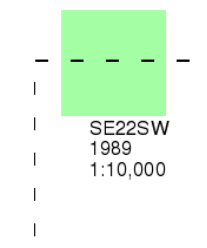
## Ordnance Survey Plan

Published 1989

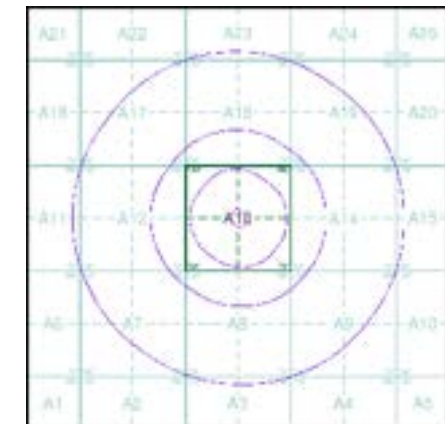
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

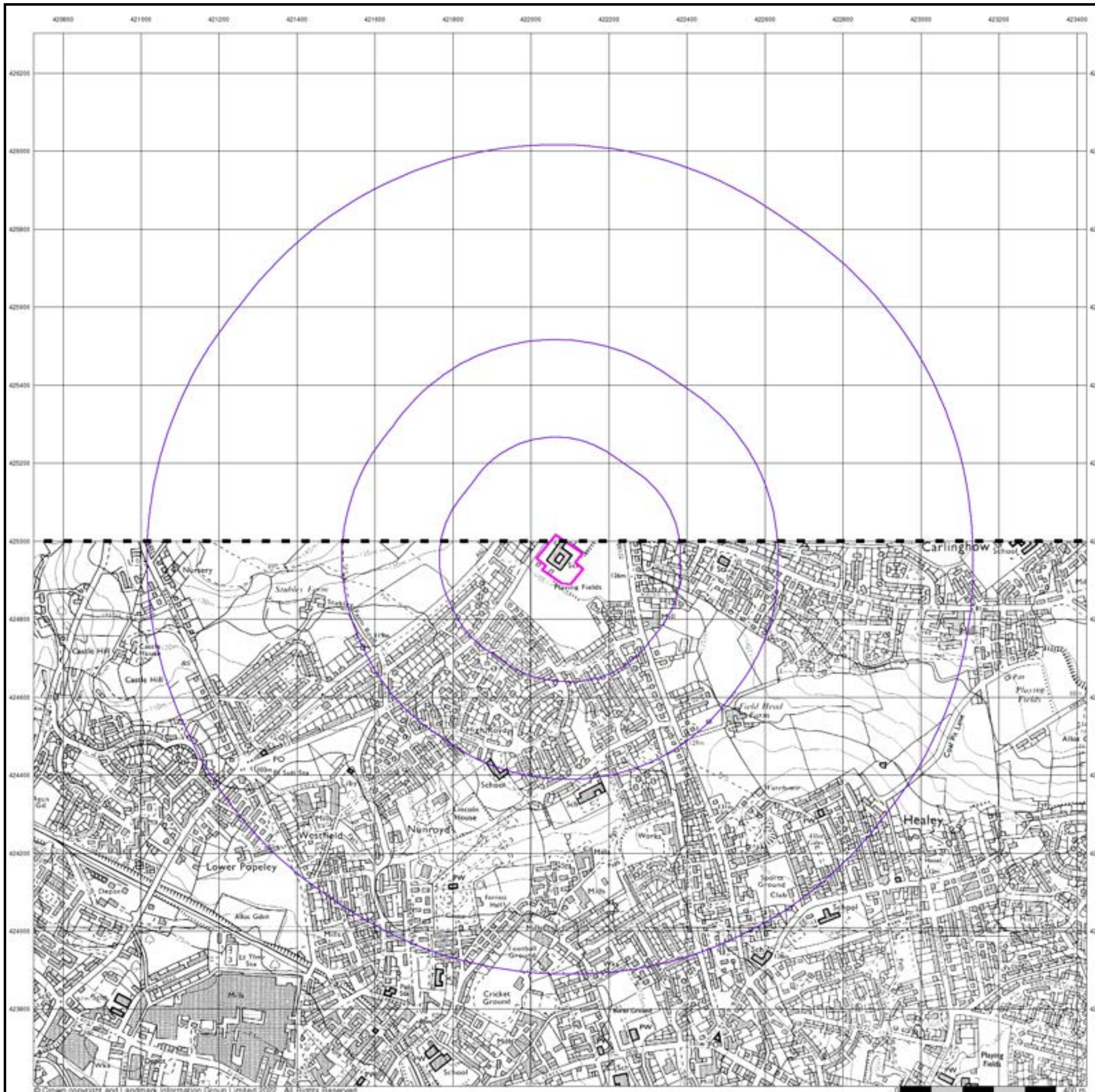
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

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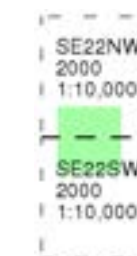
### 10k Raster Mapping

Published 2000

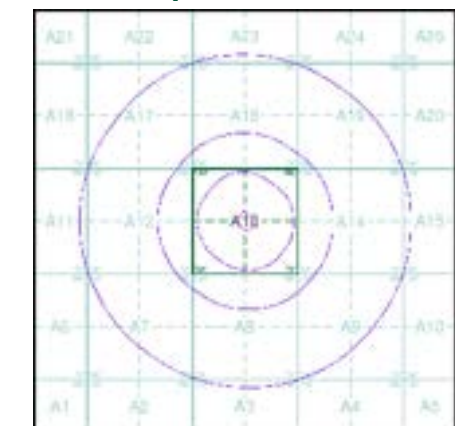
Source map scale - 1:10,000

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

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

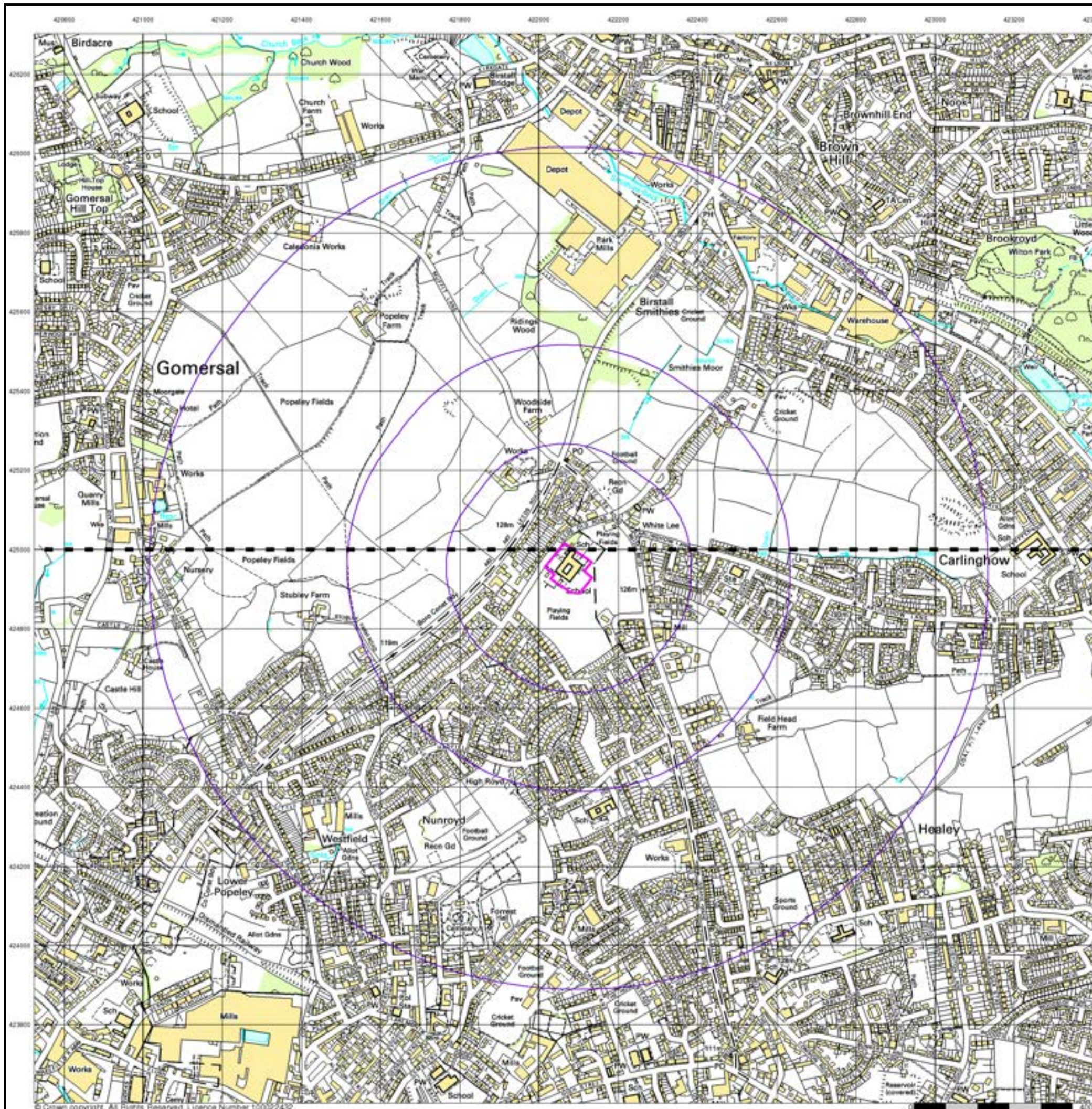
Order Number: 302714435\_1\_1  
Customer Ref: 350555  
National Grid Reference: 422080, 424950  
Slice: A  
Site Area (Ha): 0.89  
Search Buffer (m): 1000

### Site Details

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### Street View

Published 2022

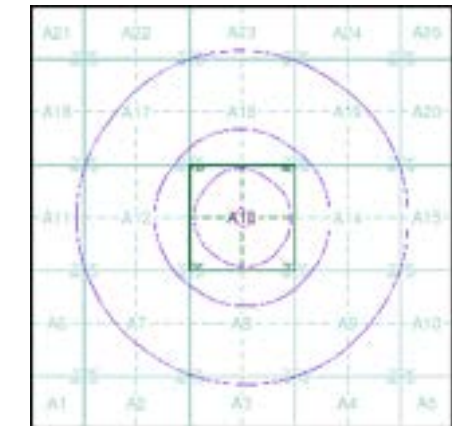
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

### Map Name(s) and Date(s)



### Street View Map - Slice A



### Order Details

Order Number:	302714435_1_1
Customer Ref:	350555
National Grid Reference:	422080, 424950
Slice:	A
Site Area (Ha):	0.89
Search Buffer (m):	1000

### Site Details

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





## **APPENDIX D    SUPPORTING DESK STUDY INFORMATION**

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# TERRESEARCH LIMITED

BOREHOLE NO. 1

2213  
2500

Contract Name <b>HECKONWICK</b>	Report No. <b>S-408/12</b>
Client <b>V. Y. Zinn &amp; Associates</b>	Site Address <b>Leeds Old Road,</b>
Address <b>Collingham House</b>	<b>HECKONWICK</b>
<b>Eagle Street,</b>	<b>Yorkshire.</b>
<b>Helborn, W.C.I.</b>	

Standing Water Level <b>26' 0"</b>	Diameter <b>6"</b>
Water Struck _____	Method of Boring <b>Shell/Auger &amp; Rotary Diamond.</b>
Ground Level <b>405.6</b>	Start <b>22.2.62.</b> Finish <b>3.3.62.</b>

Remarks:

Description of Strata	Thickness	Depth	Disturbed Samples	% Comp and % P. Test
<b>Shell/Auger :-</b>				
Top Soil	0' - 10"	0 - 10"	J.8026; 0'-10"	
Sandstone	2' - 2"	3' - 0"	J.8027; 3'- 0"	
<b>Rotary Diamond</b>				
Layers of firm to hard sandstone (fishered, ironstained) with bands of soft clay occasional band of hard blue shale	8' - 0"	11' - 0"		
Soft to firm grey laminated shale	3' - 9"	14' - 9"		
Firm to hard blue shale with occasional broken band (ironstained)	5' 3"	20' 0"		
Firm blue-grey shale	6"	20' 6"		
Hard sandstone	1' 1"	21' 7"		
Firm blue-grey shale	11"	22' 6"		
Hard sandstone	1' 3"	23' 9"		
TOTALS				

Notes: 1. Descriptions are given in accordance with the B.S. Civil Engineering Code of Practice C.P.2001 "Site Investigations".  
 2. J indicates Jar Samples.  
 B - Bulk Samples.  
 W - Water Samples.  
 U - Undisturbed Core Samples. These are nominal 4 in. diam. and 18 in. long. Depths shown are top of sample.  
 N - Number of blows per ft. penetration with Standard Penetration Tests.

# TERRESEARCH LIMITED

BOREHOLE NO. 1 (continued)

Contract Name <b>HECKMONDWIKE</b>	Report No. <b>S.408/12</b>
Client <b>W. V. Zinn &amp; Associates,</b>	Site Address <b>Leeds Old Road</b>
Address <b>Collingham House,</b>	<b>Heckmondwike</b>
<b>Eagle Street,</b>	<b>Yorkshire.</b>
<b>Holborn, W.C.1.</b>	

Standing Water Level <b>26' 0"</b>	Diameter
Water Struck	Method of Boring <b>Rotary Diamond</b>
Ground Level	Start <b>24.2.62</b> Finish <b>3.3.62</b>

Remarks: **Went through old mine workings at 41' 0"**

Description of Strata	Thickness	Depth	Disturbed Samples	"U" Cores and "N" P. Test
<b>Firm blue-grey shale</b>	<b>3"</b>	<b>24' 0"</b>		
<b>Hard sandstone</b>	<b>1' 4"</b>	<b>25' 4"</b>		
<b>Firm blue shale with horizontal and vertical breaks, ironstained</b>	<b>3' 10"</b>	<b>29' 2"</b>		
<b>Hard sandstone, ironstained</b>	<b>10"</b>	<b>30' 0"</b>		
<b>Hard sandstone, ironstained</b>	<b>1' 2"</b>	<b>31' 2"</b>		
<b>Blue-grey shale broken</b>	<b>10"</b>	<b>32' 0"</b>		
<b>Firm to hard sandstone, ironstained</b>	<b>2' 5"</b>	<b>34' 5"</b>		
<b>Blue-grey shale with broken bands</b>	<b>5' 2"</b>	<b>39' 7"</b>		
<b>Coal shale fossiliferous, ironstained</b>	<b>1' 11"</b>	<b>41' 6"</b>		
<b>Coal shale banded with fireclay</b>	<b>3"</b>	<b>41' 9"</b>		
<b>Finely broken coal (backfill)</b>	<b>2' 8"</b>	<b>44' 5"</b>		
<b>Firm grey fireclay</b>	<b>1' 5"</b>	<b>45' 10"</b>		
<b>TOTALS</b>				

NOTES: 1. Descriptions are given in accordance with the B.S. Civil Engineering Code of Practice C.P.2001 "Site Investigations".  
 2. J indicates Jar Samples.  
 B .. Bulk Samples.  
 W .. Water Samples.  
 U .. Undisturbed Core Samples. These are nominal 4 in. diam. and 18 in. long. Depths shown are top of sample.  
 N .. Number of blows per ft. penetration with Standard Penetration Tests.

# TERRESEARCH LIMITED

BOREHOLE NO. 1 (continued)

Contract Name <b>HECKMONDWIKE</b>	Report No. <b>S.408/12</b>
Client <b>W. V. Zinn &amp; Associates</b>	Site Address <b>Leeds Old Road</b>
Address <b>Collingham House</b>	<b>Heckmondwike</b>
<b>Eagle Street</b>	<b>Yorkshire</b>
<b>Holborn, W.C.1.</b>	

Standing Water Level <b>26' 0"</b>	Diameter
Water Struck	Method of Boring <b>Rotary Diamond</b>
Ground Level	Start <b>24.2.62</b> Finish <b>3.3.62</b>

Remarks: **Went through old mine workings at 41' 9"**

Description of Strata	Thickness	Depth	Disturbed Samples	"U" Cores and "N" P. Test
<b>Soft to firm grey shale</b>	<b>4' 2"</b>	<b>50' 0"</b>		
<b>Firm blue-grey shale with occasional hard bands</b>	<b>15' 0"</b>	<b>65' 0"</b>		
<b>TOTALS</b>	<b>65' 0"</b>	<b>65' 0"</b>		

Notes: 1. Descriptions are given in accordance with the B.S. Civil Engineering Code of Practice C.P.2001 "Site Investigations".  
 2. J indicates Jar Samples.  
 B .. Bulk Samples.  
 W .. Water Samples.  
 U .. Undisturbed Core Samples. These are nominal 4 in. diam. and 18 in. long. Depths shown are top of sample.  
 N .. Number of blows per ft. penetration with Standard Penetration Tests.

# TERRESEARCH LIMITED

BOREHOLE NO. 6

2210  
2491

Contract Name HECKMONDWIKE Report No. S.408/12  
 Client W. V. Zinn & Associates Site Address Leeds Old Road  
 Address Collingham House Heckmondwike  
Eagle Street Yorkshire  
Holborn, W.C.1.

Standing Water Level \_\_\_\_\_ Diameter 6"  
 Water Struck None Method of Boring Shell/Auger and  
Rotary Diamond  
 Ground Level 413.0 Start 23.2.62 Finish 15.3.62.  
 Remarks:

Description of Strata	Thickness	Depth	Disturbed Samples	"U" Cores and "N" P. Test
<b>Shell/Auger</b>				
Top soil	0' 8"	0' 8"	J.8033-0' 6"	
Brown mottled clay	2' 1"	2' 9"	J.8034-1' 6"	
Blue mottled clay	1' 3"	4' 0"	J.8035-3' 0"	
Hard shale layers and clay	6' 6"	10' 0"	J.8036-4' 3"	
Black hard stone	0' 8"	11' 2"	J.8038-11' 0"	
<b>Rotary Diamond</b>				
Ironstone, coal, fireclay	2' 0"	13' 2"		
Soft to firm fireclay, shale, bands	4' 10"	18' 0"		
Hard shale, ironstained	2' 0"	20' 0"		
Firm to hard grey shale with thin soft clayey bands	14' 5"	34' 5"		
Sandstone (white rock) vertical bands	1' 7½"	36' 0½"		
TOTALS				

NOTES: 1. Descriptions are given in accordance with the B.S. Civil Engineering Code of Practice C.P.2001 "Site Investigations".  
 2. J indicates Jar Samples.  
 B " Bulk Samples.  
 W " Water Samples.  
 U " Undisturbed Core Samples. These are nominal 4 in. diam. and 18 in. long. Depths shown are top of sample.  
 N " Number of Blows per ft. penetration with Standard Penetration Tests.

# TERRESEARCH LIMITED

BOREHOLE NO. 6 (continued)

Contract Name <b>HECKMONDWIKE</b>	Report No. <b>S.408/12</b>
Client <b>W. V. Zinn &amp; Associates</b>	Site Address <b>Leeds Old Road</b>
Address <b>Cellingham House</b>	<b>Heckmondwike</b>
<b>Eagle Street</b>	<b>Yorkshire</b>
<b>Holborn, W.C.1.</b>	

Standing Water Level <b>Nil</b>	Diameter
Water Struck	Method of Boring <b>Diamond</b>
Ground Level	Start Finish

Remarks:

Description of Strata	Thickness	Depth	Disturbed Samples	"U" Core and "N" P. Test
Firm blue shale	1' 6"	37' 6½"		
Hard sandstone (white rock)	1' 5½"	39' 0"		
Firm blue shale	2' 9"	41' 9"		
Firm to hard blue shale	2' 0½"	43' 9½"		
Hard fractured sandstone (white rock)	2' 8"	46' 5½"		
Firm blue-black shale	0' 6½"	47' 0"		
Hard fractured sandstone (white rock)	2' 3"	49' 3"		
Hard blue-black shale	4' 5"	53' 8"		
Firm to soft layers shale, ironstained	1' 0"	54' 8"		
Nassel bed 1 in 3 gradient	1' 10"	56' 6"		
Black shale	0' 6"	57' 0"		
Old workings (coal shale no cavity)	3' 6"	60' 6"		
TOTALS				

NOTES: 1. Descriptions are given in accordance with the B.S. Civil Engineering Code of Practice C.P.2001 "Site Investigations".  
 2. J indicates Jar Samples.  
 B .. Bulk Samples.  
 W .. Water Samples.  
 U .. Undisturbed Core Samples. These are nominal 4 in. diam. and 18 in. long. Depths shown are top of sample.  
 N .. Number of blows per ft. penetration with Standard Penetration Tests.

# TERRESEARCH LIMITED

BOREHOLE NO. 6 (continued)

Contract Name <b>HECKMONDWIKE</b>	Report No. <b>S.408/12</b>
Client <b>W. V. Zinn &amp; Associates,</b>	Site Address <b>Leeds Old Road</b>
Address <b>Collingham House,</b>	<b>Heckmondwike</b>
<b>Eagle Street,</b>	<b>Yorkshire</b>
<b>Holborn, W.C.1.</b>	

Standing Water Level <b>Nil</b>	Diameter
Water Struck	Method of Boring <b>Rotary Diamond</b>
Ground Level	Start Finish

Remarks:

Description of Strata	Thickness	Depth	Disturbed Samples	"U" Core and "N" P. Test
<b>Fire clay</b>	<b>2' 0"</b>	<b>63' 6"</b>		
<b>Gunister</b>	<b>2' 6"</b>	<b>65' 0"</b>		
<b>TOTALS</b>	<b>65' 0"</b>	<b>65' 0"</b>		

NOTES: 1. Descriptions are given in accordance with the B.S. Civil Engineering Code of Practice C.P.2001 "Site Investigations".  
 2. J indicates Jar Samples.  
 B .. Bulk Samples.  
 W .. Water Samples.  
 U .. Undisturbed Core Samples. These are nominal 4 in. diam. and 18 in. long. Depths shown are top of sample.  
 N .. Number of blows per ft. penetration with Standard Penetration Tests.



The Coal  
Authority

# Consultants Coal Mining Report

Co-op Academy Smithies Moor,  
Leeds Old Road  
Heckmondwike  
West Yorkshire  
WF16 9BB

Date of enquiry: 17 October 2022  
Date enquiry received: 17 October 2022  
Issue date: 17 October 2022

Our reference: 51003318869001  
Your reference: 302714435\_2



# Consultants

# Coal Mining Report

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

## Client name

NLIS Hub

## Enquiry address

Co-op Academy Smithies Moor, Leeds Old Road  
Heckmondwike  
West Yorkshire  
WF16 9BB

## How to contact us

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

200 Lichfield Lane  
Mansfield  
Nottinghamshire  
NG18 4RG

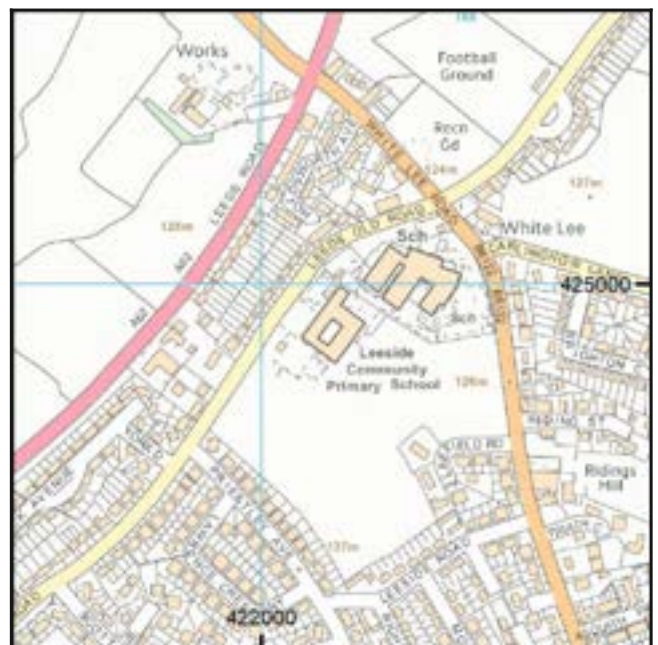
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Approximate position of property



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# Section 1 – Mining activity and geology

## Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	MIDDLETON MAIN	Coal	6ZLJ	77	Beneath Property	1.6	East	60	1889
unnamed	MIDDLETON MAIN	Coal	62NV	92	North-West	0.0	East	76	1897
unnamed	MIDDLETON MAIN	Coal	6Z1B	92	North-West	0.0	East	76	1899
unnamed	MIDDLETON MAIN	Coal	6I09	94	West	2.4	North-East	66	1887
unnamed	MIDDLETON MAIN	Coal	62NU	105	North-East	2.9	South	160	1913
unnamed	WHINMOOR	Coal	62NC	199	North	1.6	South-East	69	1931
unnamed	WHINMOOR	Coal	6Z20	202	North-West	1.6	South-East	69	1933
unnamed	WHINMOOR	Coal	6I0D	202	North-West	1.6	South-East	51	1934
unnamed	BLACK BED	Coal	6ZLP	249	South	2.4	South-East	69	1908
unnamed	BLACK BED	Coal	6HFG	264	South-West	0.6	East	69	1908
unnamed	BLACK BED	Coal	6ZLQ	271	Beneath Property	2.4	South-East	69	1914
unnamed	BLACK BED	Coal	62NB	274	Beneath Property	2.4	South-East	66	1914
unnamed	BLACK BED	Coal	6HFF	274	West	2.4	South-East	66	1910
unnamed	BLACK BED	Coal	6Z23	278	North-West	2.4	South-East	66	1910

## Probable unrecorded shallow workings

Yes.

## Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

## Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	421424-020	421966 424850		Coal	
Shaft	422424-004	422199 424975		Coal	
Shaft	422424-020	422157 424846		Coal	
Shaft	422424-023	422035 424861		Coal	

## Abandoned mine plan catalogue numbers

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

FGB425	11942	M387
GCR148	GCR113	FGB433
10348	GCR109	2487

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

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

## Outcrops

No outcrops recorded.

## Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

## Opencast mines

None recorded within 500 metres of the enquiry boundary.

## Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

## Section 2 – Investigative or remedial activity

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

### Site investigations

None recorded within 50 metres of the enquiry boundary.

### Remediated sites

None recorded within 50 metres of the enquiry boundary.

### Coal mining subsidence

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

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

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

### Mine gas

None recorded within 500 metres of the enquiry boundary.

### Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

## Section 3 – Licensing and future mining activity

### Future underground mining

None recorded.

### Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

### Court orders

None recorded.

### Section 46 notices

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

### Withdrawal of support notices

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

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

### Payments to owners of former copyhold land

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

## Section 4 – Further information

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

### **Development advice**

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

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

## Section 5 – Data definitions

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

### Past underground coal mining

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

### Probable unrecorded shallow workings

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

### Spine roadways at shallow depth

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

### Mine entries

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

### Abandoned mine plan catalogue numbers

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

### Outcrops

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

### Geological faults, fissures and breaklines

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

### **Opencast mines**

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

### **Coal Authority managed tips**

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

### **Site investigations**

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

### **Remediated sites**

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

### **Coal mining subsidence**

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

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

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

### **Mine gas**

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

### **Mine water treatment schemes**

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

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

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

### **Future underground mining**

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

### **Coal mining licensing**

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

### **Court orders**

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

### **Section 46 notices**

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

### **Withdrawal of support notices**



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

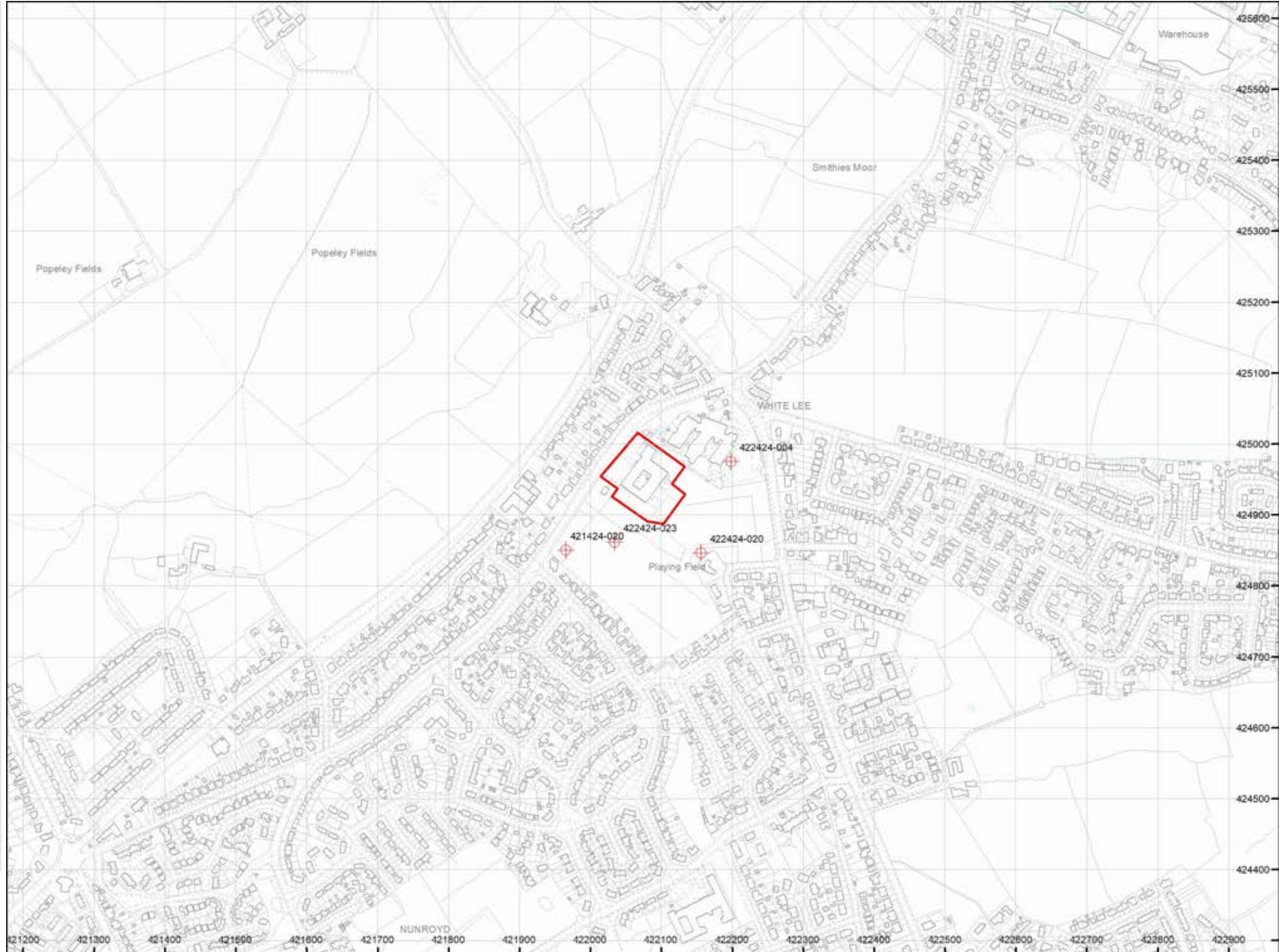
### **Payment to owners of former copyhold land**

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

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

**Key**

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 



**How to contact us**  
0345 762 6848 (UK)  
+44 (0)1623 637 000 (International)  
[www.groundstability.com](http://www.groundstability.com)

## APPENDIX E SITE RECONNAISSANCE PHOTOGRAPHS

<b>PHOTOGRAPHIC LOG</b>	
<b>Photo no.</b> 1	<b>Date:</b> 18.10.22
<b>Description:</b> Photograph showing the front entrance to the school and the existing school building.	
	

<b>Photo No.</b> 2	<b>Date:</b> 18.10.22
<b>Description:</b> Photograph showing the access gate to the southwest of the car park from Leeds Old Road. This leads to another set of gates before reaching the playground.	
	

<b>Photo No.</b> 3	<b>Date:</b> 18.10.22	
<b>Description:</b> Photograph showing the 2 <sup>nd</sup> set of gates leading to the rear of the school.		

<b>Photo No.</b> 4	<b>Date:</b> 18.10.22	
<b>Description:</b> Photograph showing the existing basements under the school building.		

<b>Photo No.</b> 5	<b>Date:</b> 18.10.22	
<b>Description:</b> Photograph showing the hardstanding sports court to the south-west of the site. Trees are also shown to line the site boundary.		

<b>Photo No.</b> 6	<b>Date:</b> 18.10.22	
<b>Description:</b> Photograph showing the hardstanding playground to the south of the school.		

<b>Photo No.</b> 7	<b>Date:</b> 18.10.22	
<b>Description:</b> Photograph showing the southern site boundary, shown to be up to the 2 <sup>nd</sup> set of fence line (the fields are not part of the site).		

<b>Photo No.</b> 8	<b>Date:</b> 18.10.22	
<b>Description:</b> Photograph showing the waste disposal section of site, including the electrical waste skip and old desks piled to the side.		

<b>Photo No.</b> <p style="text-align: center;">9</p>	<b>Date:</b> <p style="text-align: center;">18.10.22</p>	
<b>Description:</b> <p>Photograph showing the electrical transformer unit on the north-eastern site boundary.</p>		

<b>Photo No.</b> <p style="text-align: center;">10</p>	<b>Date:</b> <p style="text-align: center;">18.10.22</p>	
<b>Description:</b> <p>Photograph showing the three-storey school building.</p>		

<b>Photo No.</b> 11	<b>Date:</b> 18.10.22	
<b>Description:</b> Photograph showing manholes on the school carpark and hardstanding sections of site.		

## APPENDIX F TECHNICAL BACKGROUND

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### F1 Desk Study

#### **Aquifer designation and Source protection zones**

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: 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.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive' strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

#### **Preliminary risk assessment methodology**

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the

likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

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

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

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

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe, and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

### **Reuse of suitable materials**

*The Definition of Waste: Development Industry Code of Practice (CL:AIRE, 2011) (CoP)* was developed in consultation with the Environment Agency and development industry to enable the re-use of materials under certain scenarios and subject to demonstrating that specific criteria are met. The current reuse scenarios covered by the CoP comprise

- reuse on the site of origin (with or without treatment)
- direct transfer of clean and natural soils between sites
- use in the development of land other than the site of origin following treatment at an authorised Hub site (including a fixed soil treatment facility).

The importation of made ground soils (irrespective of contamination status) or crushed demolition materials is not permitted currently under the CoP and requires either a standard rules environmental permit or a U1 waste exemption (see below).

In the context of excavated materials used on-sites undergoing development, four factors are considered to be of particular relevance in determining if the material is a waste or when it ceases to be waste:

- the aim of the Waste Framework Directive is not undermined, i.e. if the use of the material will create an unacceptable risk of pollution of the environment or harm to human health it is likely to be waste
- the material is certain to be used
- the material is suitable for use both chemically and geotechnically
- only the required quantity of material will be used.

The CoP requires the preparation of a materials management plan (MMP) that confirms the above factors will be met. This plan needs to be reviewed by a 'Qualified Person' (QP) who will then issue



a declaration form to the EA. As the project progresses, data must be collated and on completion a verification report produced that shows the MMP was followed and describes any changes.

The MMP establishes whether specific materials are classified as waste and how excavated materials will be treated and/or reused in line with the CoP. The MMP is likely to form part of the site waste management plan.