

FOURWAYS PROJECT

**LONGLEY HEY FARM, HALIFAX ROAD,
LITTLEBOROUGH OL15 0LB**

PHASE 1 DESK STUDY REPORT



REPORT REFERENCE: FP/DS/003/V1

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PHASE 1 DESK STUDY REPORT



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1	16 January 2024	Final version for submission to the Client and Local Authority.

Important note about your report

The sole purpose of this report and the associated services performed by CRC Site Investigation Ltd is to undertake a Phase 1 Desk Study Report in relation to the existing property on Longley Hey Farm, Halifax Road, Littleborough in accordance with the scope of services set out in the agreement between CRC Site Investigation Ltd and the Client.

In preparing this report, CRC Site Investigation Ltd has relied upon, and presumed accurate, any information (or confirmation of the absence thereof) provided by the Client and obtained from the Landmark searches. Except as otherwise stated in the report, CRC Site Investigation Ltd has not attempted to verify the accuracy or completeness of any such information. If the information is subsequently determined to be false, inaccurate, or incomplete then it is possible that our observations and conclusions as expressed in this report may change.

CRC Site Investigation Ltd derived the data in this report from information sourced from the Client and available in the public domain at the time or times outlined in this report. The passage of time, manifestation of latent conditions or impacts of future events may require further examination of the risk assessment, findings, observations and conclusions expressed in this report. CRC Site Investigation Ltd has prepared this report in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures and practices at the date of issue of this report. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the assessment, observations and findings expressed in this report, to the extent permitted by law.

This report should be read in full and no excerpts are to be taken as representative of the findings. No responsibility is accepted by CRC Site Investigation Ltd for use of any part of this report in any other context.

The report is based on the available information provided to date and subject to agreement with the Rochdale Council. This report has been prepared on behalf of, and for the exclusive use of the Client, and is subject to, and issued in accordance with, the provisions of the agreement between CRC Site Investigation Ltd and the Client.

CRC Site Investigation Ltd accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this report by any third party.

CONTENTS

1.0	Introduction
1.1	Terms of Reference
1.2	Legislative Context
1.3	Investigation Regulatory Guidelines
1.4	Objectives
1.5	Previous Studies
1.6	Limitations
2.0	Land Quality Assessment
2.1	Site Location
2.2	Site Description and Layout
2.3	Surround Land Uses
2.4	Field Reconnaissance and Site Walkover
2.5	Desk Study
2.5.1	Site History
2.5.2	Mapped Geology
2.5.3	Ground Stability Hazards
2.5.4	Coal Mining
2.5.5	Radon
2.5.6	Hydrogeology
2.5.7	Groundwater Abstractions and Quality
2.5.8	Groundwater Vulnerability
2.5.9	Hydrology
2.5.10	Flood Risk
2.5.11	Landfill and Waste Management
2.5.12	Environmental Permits, Incidents and Register
2.5.13	Infilled Features
2.5.14	BGS Recorded Mining Sites
2.5.15	Unexploded Ordnance
2.5.16	Estimated Soil Chemistry
2.5.17	Industrial Land Use Information
2.6	Proposed Development
3.0	Conceptual Site Model
3.1	Potential Contaminant Linkages
3.1.1	Sources
3.1.2	Receptors
3.1.3	Pathways Creating Contaminant Linkages
3.2	Risk Estimation
3.3	Risk Evaluation
4.0	Preliminary Risk Assessment Summary and Recommendations

Tables

Table 1	Summary of Surrounding Land Uses
Table 2	Summary of Historical Map Review
Table 3	Onsite Ground Stability Hazards
Table 4	Historical Landfill Sites
Table 5	Soil Chemistry Concentrations
Table 6	Potential Sources of Contamination
Table 7	Potential Receptors
Table 8	Potential Pathways
Table 9	Estimation of the level of Risk by comparison of Consequence and Probability
Table 10	Preliminary Conceptual Site Model

Figures

Figure 1	Site Location Plan
Figure 2	Site Layout Plan
Figure 3	Preliminary Conceptual Site Model

Appendices

Appendix 1	Photographic Log
Appendix 2	Historical Maps
Appendix 3	Environmental Reports
Appendix 4	Extract BGS Interactive Report
Appendix 5	Extract The Coal Authority Interactive Map
Appendix 6	The Coal Authority CON29M Report
Appendix 7	Longley Hey Preliminary Unexploded Ordnance (UXO) Threat Assessment
Appendix 8	Proposed Site Development Plans

EXECUTIVE SUMMARY

INTRODUCTION	CRC Site Investigation Ltd was instructed by Fourways Project (FP) (The Client) to undertake a Phase I Desk Top Study for the Site at Longley Hey Farm, Littleborough OL15 0LB. The report has been requested in order to support a proposed planning application for the Site. The purpose of this report is to provide clear and pragmatic advice regarding the nature and potential significance of contaminated land hazards which may be present at the study site.
SITE LOCATION AND DESCRIPTION	The site is located to the north east of Littleborough town centre at National Grid Reference SD 95445 17771. The application site on Halifax Road is irregular in shape and covering approximately 0.477 acres. Longley Hey farmhouse on the Site is currently derelict, overgrown with vegetation and temporally secured with heras fencing. There are a few matured trees within the grounds of the property. A dry-stone wall with post & wire fencing runs along the perimeter of the site and tarmac and concrete hardstanding around the derelict farmhouse and out building on site.
DEVELOPMENT PROPOSAL	The Site is under consideration for the proposed conversion of existing outbuilding in garden curtilage to form additional ancillary residential accommodation in association with main use of Longley Hey Farmhouse as a dwelling.
DESK STUDY AND PRELIMINARY CONCEPT MODEL	The Site is highlighted as having been subject to potentially contaminative uses from mapping.
PREVIOUS WORK	No other previous studies are known to have been undertaken to CRC Site Investigation Ltd knowledge other than the recently completed Coal Mining Risk Assessment.
GEOLOGY	Based on the sites current state, Made Ground is considered to be absent on the Site. The published geology for the Site is shown to be underlain by Drift comprising Glacial Till. The underlying bedrock beneath the superficial deposits is the Rossendale Formation.
HYDROGEOLOGY	The Site is underlain by a Productive Secondary A Aquifer.
COAL MINING	The Site is located in an area which may probably be affected by shallow coal mining.
RADON	The Site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level. Radon protective measures are not necessary.
CONTAMINATION RISK ASSESSMENT	The information obtained from the searches completed confirms the site to be located within a MODERATE/LOW ground contamination risk setting for human health owing to the Site's previous history and environmental setting. At this stage, the risk of ground gas production/migration is considered MODERATE, although in situ monitoring should be undertaken due to the potential for Made Ground and shallow mine workings likely being present below the Site and from the landfill site in close proximity to the site boundary. When considering the potential risk to controlled waters, solid geology below the Site is recorded as a Secondary A Aquifer and the site does not lie within a Source Protection Zone the risk to controlled waters is initially considered to be LOW. However, due to the limited scope for significant site sources of ground contamination on site and a likely pollution plume from the landfill site in close proximity potentially migrating down gradient towards the site boundary it is considered that the groundwater beneath the Site is at a MODERATE risk.

RECOMMENDATIONS	It is recommended that as part of a Phase 2 Ground Investigation (intrusive investigation) for this site, consideration is given site to determine foundation design criteria, potential Made Ground and to assessing any potential risks associated with any ground contamination, which may be present on the site, and which might pose a risk towards the proposed residential end users or the wider environment. This investigation should be completed prior to commencing with the redevelopment works on the Site and should include undertaking a series of trial pits/boreholes, gas and groundwater monitoring and a range of in situ and laboratory tests and analysis to assist in the design of future foundations and contamination concentrations.
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NOTE: The executive summary is an overview of the key findings and conclusions of the report. There may be other information contained in the body of the main report which puts into context the information presented within the executive summary. No reliance should be placed on the executive summary.

1.0 INTRODUCTION

1.1 *Terms of Reference*

The study site (from herein known as 'the Site') is situated on Halifax Road located in Littleborough OL15 0LB.

CRC Site Investigation Ltd (CRC) was commissioned by Fourways Project (FP) (The Client) in January 2024 to undertake a Phase I desk top study for the Site. The report has been requested in order to support a proposed planning application for the Site.

At the time of undertaking the walkover survey in January 2024, Longley Hey Farmhouse on the Site is currently derelict, overgrown with vegetation and temporarily secured with heras fencing. There are a few matured trees within the grounds of the property. A dry-stone wall and post & wire fencing runs along the perimeter of the site and tarmac and concrete hardstanding around the derelict buildings on site.

The Client proposes rebuilding of Longley Hey Farmhouse and conversion of existing outbuilding in garden curtilage to form additional ancillary residential accommodation.

The purpose of this report is to provide clear and pragmatic advice regarding the nature and potential significance of contaminated land hazards which may be present at the study Site. CRC are providing consultancy and professional opinion based upon our collation, interpretation and assessment of information contained within a number of environmental reports, and other sources where expressly stated (i.e. site visits, photographs, and anecdotal evidence). It is acknowledged that the risk assessment findings are based on documentary sources of information alone.

The information which is gathered is then used to construct a 'Conceptual Site Model', including an understanding of likely contaminant sources, pathways and receptors. Finally, a preliminary assessment of risks posed to identified receptors (i.e. people, buildings or the natural environment) from the anticipated land quality at the Site is performed. The risk assessment methodology is consistent with CIRIA C552 (2001).

1.2 Legislative Context

The presence of contaminants which may pose a risk to human health or the environment is a material planning consideration. For planning, it should be considered whether the Site is suitable for its new use, and the responsibility for securing a safe development (including cumulative effects of pollution on health, and the potential sensitivity of the proposed development to adverse effects from pollution) rests with the developer and/or landowner. Planning is concerned with the Site's proposed use not its current use, where the amount of contamination is expected to be low relative to the level of risk. This is the opposite to Part 2A which considers high levels (significant harm) and the current use of the site

Section 57 of the Environment Act 1995 includes Part 2A (ss.78A-18YC) to the Environmental Protection Act 1990 and contains the legislative framework for identifying and dealing with contaminated land. Where development is undertaken on land which may be affected by contamination, the National Planning Policy Framework, Paragraphs 120 to 122 considers pollution and remediation. This links the contaminated land regime within the development process.

For there to be an environmental liability associated with the Site, there must be a perceived source (a contaminant), a receptor (humans, living organisms or property) and a pathway between them. The potential presence of all of these aspects would result in a complete contaminant linkage.

In accordance with environmental legislation and the associated guidelines, assuming the Site is to be redeveloped for a residential end use, it should be noted that any redevelopment of the Site could actually create new pathways that could increase the liabilities associated with the Site. In addition, the basis of the intrusive ground assessment is to refine the preliminary conceptual site model.

1.3 Investigation Regulatory Guidance

All planned ground investigation work should be carried out in general compliance with recognised best practice, including (but not limited to) BS 5930:2015, BS 10175:2011+A2:2017 and the AGS (2006) 'Good Practice Guidelines for Site Investigations'.

The geo-environmental assessment section of this report is written in broad accordance with BS 10175:2011+A2:2017, 'Land Contamination: Risk Management' (LCRM, 2019) and the AGS (2006) 'Good Practice Guidelines for Site Investigations'.

The methods used follow a risk-based approach, the first stage of which is a Phase 1 desk study and field reconnaissance, with the potential geo-environmental risk assessed qualitatively using the 'source-pathway-receptor contaminant linkage' concept to assess risk as introduced in the Environmental Protection Act 1990 (EPA, 1990). Potential geotechnical risks are also assessed.

1.4 Objectives

This Land Quality Assessment (Phase I Desk Study) report has been produced to provide an initial overview in respect of the status of the Site regarding the following:

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

The main objectives of this study include:

- Develop a preliminary Conceptual Site Model (CSM);
- Recommend the need for and scope of any intrusive investigations that may be required and;
- Provide sufficient information for a preliminary qualitative risk assessment to be undertaken.

The ground investigation should be undertaken in accordance with the specifications outlined in the British Standard BS 10175:2011+A2:2017 Code of Practice for the Investigation of potentially contaminated sites and the Environment Agency Document, CLR11 Model Procedures for the Management of Land Contamination.

1.5 Previous Studies

CRC recently undertook a Coal Mining Risk Assessment for the Site and the report is referenced:

- CRC Site Investigation Fourways Project Longley Hey Farm, Halifax Road, Littleborough OL15 0LB Coal Mining Risk Assessment Report Ref. FP/CMRA/002/V1 dated January 2024.

Other than the above mentioned risk assessment, no other studies are known to have been undertaken at the Site to CRC's knowledge.

1.6 Limitations

Presentation of the factual information reported herein have been made in line with legislation and guidelines in force at the time of writing, representing best practice at that time.

All of the comments and findings contained in this report, are based on the information obtained by CRC from the desk top study. This report is written in the context of an agreed scope of works and should not be used in a different context.

It is noted that some of the findings presented in this report are based on information obtained from third parties (i.e. Environmental Search Reports). Whilst CRC assume that all information is representative of the site and of present conditions, CRC can offer no guarantee as to its validity regarding the short term or long-term history of the Site.

This report excludes consideration of potential hazards arising from any activities at the Site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities.

It should be noted that this report has been produced for environmental purposes only. It should not in any way be construed to be or used to replace a geotechnical survey, structural survey, asbestos survey, buried services survey or invasive plant survey.

Except as otherwise requested by the Client, CRC is not obliged and disclaims any obligation to update the report for events taking place after:

- a) the date on which the desk top study and site walk over survey was undertaken; and
- b) the date on which the final report is delivered.

New information, improved practises, and changes in legislation may require the changes to the report in whole or in part after its original issue. CRC reserve the right to alter the factual and interpretative information in the light of further information that may become available. This report is provided for the sole use of the Client and their professional advisers and is confidential to them unless agreed otherwise in writing.

CRC makes no representation whatsoever concerning the legal significance of its findings or to other legal matters referred to in this report.

2.0 LAND QUALITY ASSESSMENT

2.1 Site Location

The Site is located to the northeast of Littleborough town centre at National Grid Reference SD 95445 17771. The site location is shown on the plan presented as **Figure 1**.

The application site is within a farmland setting on Halifax Road, irregular is shape and covering approximately 0.477 acres.

2.2 Site Description and Layout

Longley Hey Farmhouse was built around circa 1851 is currently derelict, overgrown with vegetation and temporally secured with heras fencing. There are a few matured trees within the grounds of the property. A dry-stone wall runs along the perimeter of the site and tarmac and concrete hardstanding around the derelict buildings on site.

The immediate surrounding area of the site is grazing pastures with a number of ponds lying approximately 120m to the south and southwest of the derelict property on the site. The current site layout is shown on the plan presented as **Figure 2**.

According to [Elevation Finder](#) and the recent site topographic survey, the general site level is at between approximately 220.0m AOD and 225.9m AOD.

2.3 Surrounding Land Uses

A description of current land uses surrounding the boundaries of the Site is given below in **Table 1** below.

Table 1 Summary of Surrounding Land Uses

Boundary	Land Use Description
Northern	Grazing pastures.
Eastern	Open land with sapling trees.
Western	Grazing pastures.
Southern	Access track and closed landfill site.

2.4 Field Reconnaissance and Site Walkover

A field reconnaissance and site walkover were undertaken on Saturday 13th January 2024 at 13:00hrs. Photographs of the Site's current features and layout are presented in **Appendix 1**.

The site walkover found the farmhouse on the Site to be derelict and the outbuilding currently locked and the property vacant. The general layout is concrete and tarmac hardstanding around the front of the buildings with dense vegetation and few trees around the sides and back of the buildings. The ground levels rise gently from the south towards the northwestern, northern and eastern site boundaries. The boundary to the west, north and east is formed by a dry stone wall and post & wire fence.

Heras fencing had been erected around the derelict farmhouse to prevent unauthorised entry by members of the public.

2.5 Desk Study

A number of desk study sources were used to assemble the following information by CRC. These include:

- Coal Authority Website.
- Environment Agency website.
- British Geological Society website.
- Groundsure Environmental Report.
- Envirocheck Historical Ordnance Survey Maps.
- Envirocheck Site Sensitivity Report.
- The Coal Authority CON29M Coal Mining Report.
- Landmark Preliminary Unexploded Ordnance (UXO) Threat Assessment.

Copies of the historical maps are included in **Appendix 2** and the relevant reports are included in **Appendix 3** respectively.

2.5.1 Site History

The Envirocheck Report historical maps for the Site have been studied for the period 1851 to the present, to determine the historical land use and surrounding area and its impact on the proposed development. The OS County Series 1:10,560, 1:10,000 and 1:2,500 scale historical maps were reviewed, and copies of the respective maps are included in **Appendix 2**. The history of the site is summarised in **Table 2**.

Table 2 Summary of Site History

1851 (1:10,560 scale)	The site is shown with the present property (Longley Hey Farmhouse) and the surrounding northern, eastern and western areas as farmland. Wellfield Mill is shown to the south of the property.
1895 (1:10,560 scale)	The site property is shown as expanded and the surrounding north, eastern and western layout unchanged. Wellfield Mill is shown to the at approximately 180m south of the property with a footpath connecting both developments.
1911 (1:10,560 scale)	The surrounding development layout out has change to current layout. The development site is shown as developed with housing and a single structure shown spanning across the site.
1930 - 1932 (1:10,560 scale)	The development layout for both the site and surrounding development has changed however individual plots not defined.
1956 (1:10,560 scale)	The development layout for both the site and surrounding development has changed however individual plots not defined.
1963 (1:2,500 scale)	The development layout for the site has changed however individual plots not defined.
1980 (1:10,000 scale)	The development layout on the site remains as it is currently, no changes.
1996 (1:2,500 scale)	The development layout for the site has changed with an additional structure shown along the northern part of the site.
1999 (1:10,000 scale)	The development layout on the site remains as it is currently, no changes.
2001 (1:2,500 scale)	The development layout on the site remains as it is currently, no changes.

The following potentially contaminative land uses have been identified on the Site itself and the surrounding land and comprise:

- Likely Made Ground/infilled ground (closed landfill site in close proximity).
- Previous shallow mine workings.

On the basis of the historical information reviewed and the current land use, the contamination potential for the Site is considered to be Moderate.

2.5.2 Mapped Geology

According to extracts of geological map taken from the 1:50,000 scale British Geological Survey (BGS) Digital Geological Map of Great Britain GeoIndex onshore (BGS Map Viewers), the Site is shown to be underlain by superficial deposits with artificial ground (Made Ground) absent.

Superficial deposits are indicated to be present in the search area and comprise Till, Devensian - Diamicton. Sedimentary superficial deposit formed between 116 and 11.8 thousand years ago during the Quaternary period.

Beneath the superficial deposits, the Site is shown to be underlain by Rossendale Formation which generally comprise a fine to very coarse grained and pebbly, feldspathic sandstone, interbedded with grey siltstone and mudstone, and subordinate marine black shales, thin coals and seatearths. Typically, the formation comprises a lower mudstone dominated succession including two prominent marine shales, the *Cancelloceras cancellatum* and *Cancelloceras cumbriense* marine bands, and an upper sandstone dominated succession, including the Rough Rock and Rough Rock Flags.

A copy of an extract of the BGS Interactive map is included in **Appendix 4**.

Landslide deposits are indicated to be absent within the development site boundary. These are deposits formed by localised mass-movement of soils and rocks on slopes under the action of gravity.

2.5.3 Ground Stability Hazards

The Environmental Reports presented in **Appendix 3** has been reviewed and pertinent information relating to potential ground stability hazards affecting the Site is summarised in **Table 3**.

Table 3 Onsite Ground Stability Hazards

Hazard	Hazard Potential
Collapsible Ground Stability Hazards	Very Low.
Compressible Ground Stability	No Hazard.
Ground Dissolution Hazard	No Hazard
Landslide Ground Stability Hazard	Low
Running Sand Ground Stability Hazard	Hazard Potential: Very Low
Shrinking or Swelling Clay Ground Stability Hazard	Hazard Potential: Very Low

2.5.4 Coal Mining

A Consultants CON29M Coal Mining Report have been obtained from The Coal Authority, dated 29 December 2023. This report is based on and limited to the records for the site held by the Coal Authority at the time this report was produced.

The Site is located in an area which may be affected by probable shallow coal mine workings.

A coal outcrop is recorded to pass through the property boundary with area of probable working as indicated on the plan included in **Appendix 5**. The coal seam was last mined in 1880 from the coal

mining records held by the Coal Authority and there is a possibility of unrecorded mining features associated with this coal outcrop within the property boundary.

The coal mining report for the Site is included in **Appendix 6**.

The Coal Authority mining report indicates that the property is in a surface area that could be affected by underground mining in 1 seam of coal at shallow depth and last worked in 1880. Furthermore, although, there are no known mine entries within or within 100 meters of the boundary of the site, the records are incomplete and consequently there may exist in the local area mine entries of which the Coal Authority has no knowledge.

From the detailed study of the historical plans for the period 1851 to present, there clearly shows no marked evidence of ground disturbance associated with either surface or shallow underground coal mining (i.e. bell pits) at the proposed development site or within 100m of the property.

In light of the risk associated with probable shallow mining issues existing at the proposed development site dating pre 1851 which cannot be discounted, there is a need for further investigation prior to redevelopment of the site.

Regarding other potential hazards commented upon in the Consultants Coal Mining Report, the following statements appear in the mining report dated 29th December 2023.

- The Coal Authority is unaware of any issues arising due to geological faults or other lines of weakness that have been affected by mining.
- There are no records of any damage claims having been made in respect of the proposed development site or any property within 50 meters since 31 October 1994.
- No opencast mining has taken place within 500 meters of the property.
- No coal mining licensing recorded within 200 meters of the property.
- 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.
- The Site is not within the boundary of a former opencast site or within the site of a future opencast site which the Authority is determining.
- The Coal Authority hold no record of a mine gas emission requiring action at the proposed development site.
- No recorded mine water treatment scheme within 500 meters of the property.

2.5.5 Radon

According to data published by the BGS, National Geoscience Information Service, the Site is within a Low Probability Radon Area, where less than 1% of homes are at or above the action level for naturally occurring radon gas.

Radon protection measures are not necessary in the construction of the new residential property.

2.5.6 Hydrogeology

The Superficial Drift deposits are designated as Secondary (undifferentiated). These are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.

The Rossendale Formation bedrock is designated as a Secondary A Aquifer. These are predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers.

2.5.7 Groundwater Abstractions and Quality

There are three portable water abstraction licenses within a 500m vicinity of the Site.

The Site is not located within a Source Protection Zone.

2.5.8 Groundwater Vulnerability

A review of the Groundwater Vulnerability Maps for England has revealed that the Superficial Deposits and bedrock are both classed as Medium Vulnerability Secondary Bedrock Aquifer.

2.5.9 Hydrology

There are a number of ponds lying approximately 120m to the south and southwest of the derelict property on the Site.

2.5.10 Flood Risk

The environmental database search does not classify the Site as at risk from flooding by rivers and sea. There is limited potential for groundwater flooding to occur.

The Site is within Flood Zone 1 which designates that land within this zone has a low probability of flooding.

2.5.11 Landfill and Waste Management

There is one historical landfill site located within approximately 10m of the southern site boundary and details are summarised in **Table 4**.

Table 4 Historical Landfill Site

Name/Operator	Address	Details
Longley Hey Farm Landfill/Hudson Peter	Halifax Road, Littleborough, Lancashire, OL15 0LB	Licence Number: 53589 Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non- biodegradable Wastes (Not Construction) Licence Status: Inactive
Rochdale Metropolitan Borough Council	Has no landfill data to supply.	

There are no known licensed waste management facilities or active waste transfer sites within 500m of the Site.

2.5.12 Environmental Permits, Incidents and Register

The Envirocheck Report indicate that there are no inactive contemporary trade entries for the Site and no active contemporary trade entries located within 250m of the Site.

There are no IPPC authorisations recorded for the site itself.

2.5.13 Infilled Features

There are no areas of potentially infilled land recorded within 250m of the Site.

2.5.14 BGS Recorded Mining Sites

The Envirocheck Report indicates that there are no known BGS recorded mining sites located within 250m of the site.

2.5.15 Unexploded Ordnance

A detailed Unexploded Ordnance (UXO) risk assessment in line with CIRIA C681 has been undertaken by a third party (6 Alpha Associates Ltd). As there was no bombing, bomb damage or other military activity recorded in the Study Site's immediate vicinity, 6 Alpha do not consider that any further investigation into UXO is warranted, therefore no further action is required.

A copy of the UXO risk assessment is included in **Appendix 7**.

2.5.16 Estimated Soil Chemistry

Data provided by the BGS in relation to estimated soil chemistry for a number of key metals and metalloid elements are summarised in **Table 5**.

Table 5 Soil Chemistry Concentrations

Element	Location	Estimated Soil Concentration (mg/kg)
Arsenic	on site	<15
Cadmium	on site	<1.8
Chromium	on site	60 - 90
Lead	on site	<100
Nickel	on site	15 - 30

2.5.17 Industrial Land Use Information

Current Land Use data presented in the Envirocheck report indicates that there are no "potentially contaminative industrial sites" on-site.

Surrounding potentially contaminative sites in the area relate to:

- Waste disposal.
- Pervious coal mining.

2.6 Proposed Development

The Client proposes rebuilding of Longley Hey Farmhouse and conversion of existing outbuilding in garden curtilage to form additional ancillary residential accommodation. The proposed development plans are included in **Appendix 8**.

3.0 CONCEPTUAL SITE MODEL

3.1 Potential Contaminant Linkages

3.1.1 Sources

The likely contaminants from the potential Made Ground on site associated with the former site usage could include the following.

- Heavy metals such as cadmium, chromium, copper, lead, nickel and zinc, asbestos, hydrocarbons and organic compounds such as Total Petroleum Hydrocarbons (TPH) and Polycyclic Aromatic Hydrocarbons (PAHs). Furthermore, ground gases such as methane and carbon dioxide may be generated from areas of Made Ground in particular any potential infilled areas on the Site.

The likely contaminants sources offsite is from the closed landfill site located within 10m to the south of the property boundary could include the following.

- Heavy metals such as cadmium, chromium, copper, lead, nickel and zinc, asbestos, hydrocarbons and organic compounds such as Total Petroleum Hydrocarbons (TPH) and Polycyclic Aromatic Hydrocarbons (PAHs). Furthermore, ground gases such as methane and carbon dioxide may be generated from areas of Made Ground in particular identified infilled areas on the Site.

The likely contaminants sources from previous land uses are shown below in **Table 6**.

Table 6 Potential Sources of Contamination

Reference	Potential Sources (Onsite)	Potential Contaminants
S1	Potential Made Ground onsite.	Likely, localized metals, non-metals asbestos, TPH, PAHs, ground gas.
S2	Potential Made Ground offsite.	The nature and type of general contamination associated with the landfill material will include, amongst others; ash and fill, heavy metals and asbestos, TPH, PAHs and ground gas.
S3	Natural Soils on and off site.	Regionally elevated levels of metals may be present within the shallow soils, however the superficial and bedrock deposits beneath the site are not considered to present significant sources of natural contamination.
S4	Ground Gas Generation.	May be present due to occurrence of Made Ground beneath the Site, previous coal mining and the nearby closed landfill site.
S5	Geological Deposits with Potential to Generate Radon.	The Site is in a lower probability radon area and no radon protective measures are necessary in the construction of new dwelling and extension.
S6	Unexploded Ordinance.	Risk mapping for UXO's has placed the site within a Low risk level.
S7	Mining Workings.	There is a probability for mine workings to be present beneath the site and as a consequence the likely generation of ground gas.

3.1.2 Receptors

The most sensitive receptors identified using the conceptual site model are considered to be site and adjacent site users, construction and maintenance workers, controlled waters (Secondary A Aquifer), infrastructure and buried services. These are most likely to be affected by Made Ground and any associated contaminants and gas generated from Made Ground present on site.

Human receptors would comprise construction workers, future site users and adjacent site users. It is likely that the exposure to contamination by construction workers will be limited due to the short exposure to the potential contamination and the use of PPE. If ground gases are produced, this could be a potential risk to the future site users and properties and workers in confined spaces/trenches etc.

Due to the potential for contaminants to be present on site there is the potential for contaminants to leach and migrate to the underlying Secondary A Aquifer.

Table 7 Potential Receptors

Reference	Potential Receptor	Description
R1	Current and future site users	Site users; personnel, general workers and maintenance workers,
R2	Construction Workers	Contractors working on the development of the site, maintenance workers or other personnel who may be directly exposed to contaminated materials in the course of their activities.
R3	Controlled Waters	Secondary A Aquifer and on site drainage.
R4	Adjacent Site Users	Adjacent site users. Third-party land (i.e. the possibility of contamination migrating off-site onto third party land via contaminated groundwater, surface water run-off).
R5	Infrastructure / Buried services	Proposed buildings and buried services

3.1.3 Pathways Creating Contaminant Linkages

Table 8 Potential Pathways

Reference	Potential Pathway	Description
P1	Direct contact with potential contaminants.	Dermal absorption, ingestion and inhalation of contaminants via direct contact. Construction workers may come into contact during the site works, however this will be for a short time and therefore limited exposure will occur. PPE can be used and worn as a precaution to reduce the risk.
P2	Ingestion of potential contaminants.	
P3	Inhalation of potential contaminants.	
P4	Leaching and migration of contaminants.	Leaching of possible contaminants could migrate into the underlying Secondary A Aquifer via shallow groundwater. On site drainage is also at risk from shallow contamination, if present.
P5	Vertical and lateral migration of ground gases/vapours.	There is the potential for contaminants to be present on the site, which could generate ground gas/vapours on site and migration from the landfill site and probable shallow coal mine workings.

3.2 Risk Estimation

Through consideration of the potential consequence and likelihood of exposure occurring, a potential risk rating for each potential contamination linkages have been assigned and is presented in **Section 3.1**. The purpose of this assessment is to focus upon the potential risks present, based on the proposed development, post construction with mitigation measures. The definitions of estimated risk are taken from CIRIA report C552 and are summarised below:

Very High Risk: There is a high probability that severe harm could arise to a designated receptor or there is evidence that severe harm to a designated receptor is currently happening.

High Risk: Harm is likely to arise to a designated receptor. Realisation of the risk is likely to present a substantial liability.

Medium Risk: It is possible that harm could arise to a designated receptor. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.

Low Risk: It is possible that harm could arise to a designated receptor, but it is likely that this harm, if realised, would be mild.

Very Low Risk: The possibility of harm to the designated receptor is either not plausible or, if the possibility of harm is plausible, risk is considered to be very unlikely with attenuation along the exposure pathway.

The risk is evaluated through the probability matrix presented in **Table 9**.

Table 9 Estimation of the level of Risk by comparison of Consequence and Probability

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

3.3 Risk Evaluation

An evaluation of the risk that each contaminant linkage poses to redevelopment of the Site has been undertaken, in general accordance with CIRIA guidance document C552, 2001.

The evaluation and the resultant actions identified are based on the available information presented within this report.

Each potential contaminant linkage is identified, and evaluation of risk presented in **Table 10** and a visual representation of the preliminary CSM is presented as **Figure 3**.

Table 10 Preliminary Conceptual Site Model

Sources	Pathways	Receptors	Risk (Consequences/Probability)
<u>On site</u> Contaminated soils. Made Ground arisings associated with construction works.	Dermal contact with soil and dust; and Ingestion and inhalation of soil, waters and soil derived dust/ asbestos fibres.	Adjacent site residents, visitors and Maintenance workers.	Moderate (Medium/Low Likelihood to Likely).
<u>Off site</u> Contaminated Soils	Inhalation of soil and soil derived dust/ asbestos fibres.	Adjacent site residents, visitors and workers.	Low (Mild/Low Likelihood).
<u>On site</u> Ground Gas Made Ground in particular landfill areas.	Vertical and lateral migration and accumulation of explosive and/or asphyxiating gases in confined spaces or buildings or uptake by flora.	Current buildings and services and proposed buildings and structures; Study area users; Adjacent site users; and Maintenance workers.	Moderate/Low (Mild/Likely).
<u>Off site</u> Ground Gas Made Ground			
<u>On site</u> Contaminated Groundwater Potential for contaminated groundwater associated with the historical uses of the study area.	Ingestion; and Direct contact.	Maintenance workers.	Moderate/Low (Mild/Likely).
<u>Off site</u> Contaminated Groundwater Potential for contaminated groundwater associated with the surrounding historical uses of the study area.	Vertical and lateral migration in groundwater beneath the site and contaminated groundwater which may have migrated on to the site.	Controlled Waters: Secondary (undifferentiated) Superficial and Secondary A Bedrock Aquifers.	
	Migration of potentially contaminated groundwater onto the site.	Existing structures and services.	

In conclusion, based on the preliminary risk assessment undertaken has determined the Site poses a Low/Moderate risk to identified receptors and a Moderate risk associated with on-site potentially contaminative sources and ground gases.

During redevelopment of the site there is a potential for short term human health risk to construction workers. These should be assessed and anticipated by the contractor under CDM Regulations 2015.

4.0 PRELIMINARY RISK ASSESSMENT SUMMARY AND RECOMMENDATIONS

Human Health – It is perceived to be a MODERATE/LOW risk to human health from onsite sources of ground contamination. At this stage, the risk of ground gas production/migration is considered MODERATE, although in situ monitoring should be undertaken due to the potential for Made Ground and shallow mine workings likely being present below the Site and from the landfill site in close proximity to the site boundary.

Controlled Waters – It is considered that the groundwater beneath the Site is at a MODERATE risk due to the limited scope for significant site sources of ground contamination and a likely pollution plume from the landfill site in close proximity to the site boundary.

Therefore, it is recommended that as part of a Phase 2 Ground Investigation (intrusive investigation) for this site, consideration is given to the site to determine foundation design criteria, assessing any potential risks associated with any ground contamination, which may be present on the Site, and which might pose a risk towards the proposed end users or the wider environment.

This investigation should be agreed with the local authority and be completed prior to commencing with the proposed residential end use development and should include for the following or similar investigation works.

- Trial pits and or boreholes to confirm the extent and the nature of the potential Made Ground on the Site.
- Boreholes, including in-situ geotechnical testing (SPT testing) and sampling to help aid with future foundation design and to collect samples for subsequent laboratory testing.
- Installation of a minimum of 3 no. combined groundwater and ground gas monitoring standpipes with an appropriate number of visits in accordance with CIRIA C665. These can be incorporated within the boreholes.
- Appropriate laboratory geotechnical testing.
- Contamination screening on selected samples recovered to assess the risks to Human Health – typical contaminants detailed in **Section 3.1.1**.
- Leachate / water screening on selected samples recovered to determine the risks posed to Controlled Waters – detailed in **Section 3.1.1**.
- Site supervision and production of a Factual and Interpretive Phase 2 Ground Investigation Interpretative Report, including a Level 1 Ground Contamination Risk Assessment, if required.
- Prior to the undertaking any investigation works, it would be necessary to obtain service information (i.e. gas, electricity, water, cable, drainage, etc.).

The samples for contamination analysis should be forwarded to a UKAS and MCERTS accredited laboratory to undertake the recommended testing.

All site works should be carried out in accordance with Health and Safety Executive regulations and guidelines, the Contractor's Construction Health and Safety Plan and the Construction (Design and Management) Regulations 2015.

Precautions should be taken to minimise exposure of site workers during ground investigation through the implementation of site safety. Such precautions should include, but not be limited to:

- Provision of appropriate Personal Protective Equipment (PPE);
- Availability of site welfare;
- Good personal hygiene, washing and changing procedures and;
- Daily safety briefings.

The local statutory utility company should be contacted in the event that new services are proposed as part of the redevelopment in order to determine their specification for the type of pipework which should be used on this site.

Assumptions have been made regarding the nature and scale of the activities that took place on the site and the types of potential contaminants that may have resulted. These assumptions will need to be reviewed along with the Conceptual Site Model should further information come to light.

END OF REPORT

January 2024



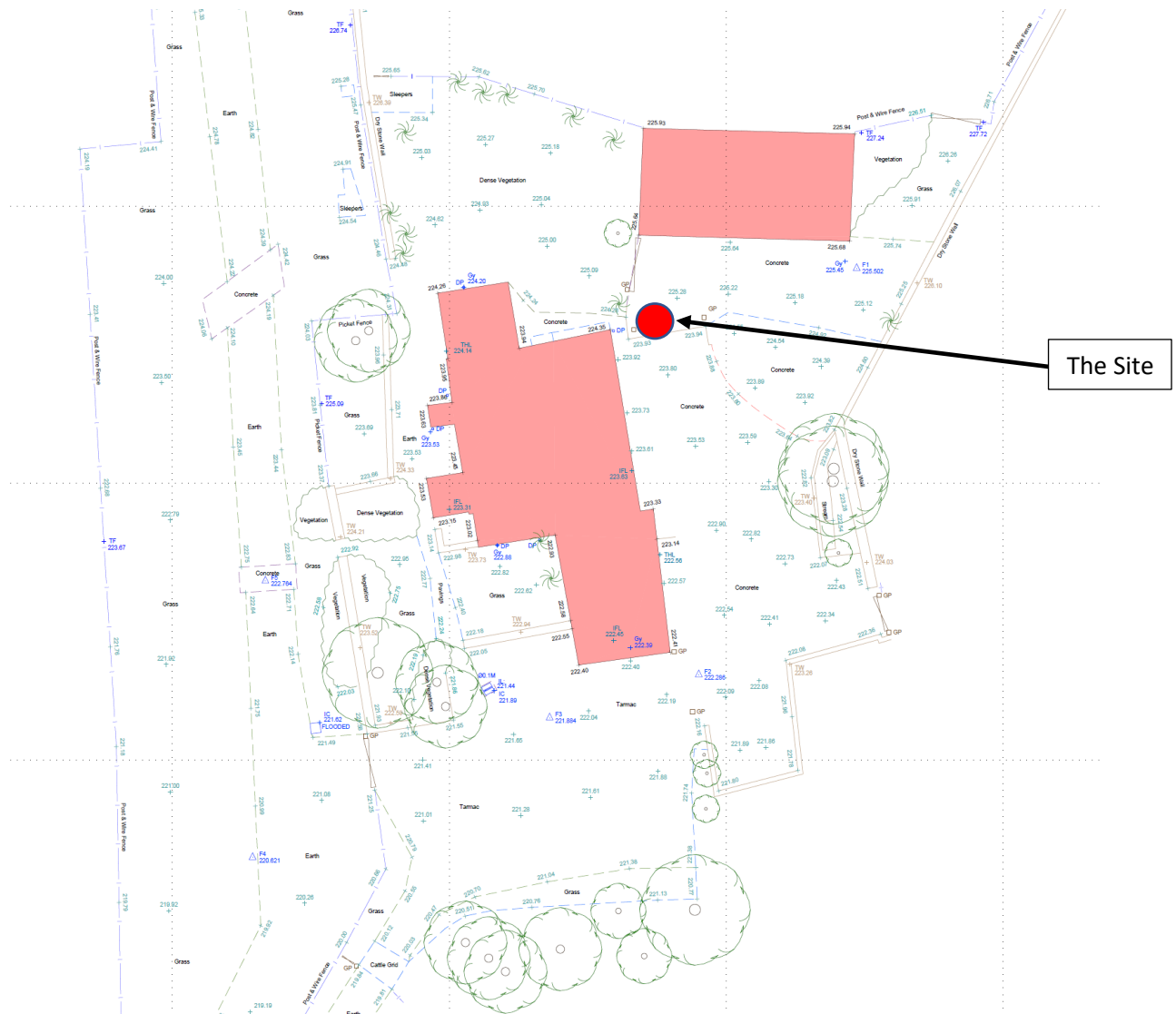
FIGURES

FIGURE 1
SITE LOCATION PLAN



Client:	Fourways Project Ltd
Figure No.:	Figure 1
Figure Title:	Site Location Plan
Date:	4 January 2024

FIGURE 2
SITE LAYOUT PLAN



Client:	Fourways Project
Figure No.:	Figure 2
Figure Title:	Site Layout Plan
Date:	4 January 2024

FIGURE 3
PRELIMINARY CONCEPTUAL SITE MODEL

APPENDICES

APPENDIX 1

PHOTOGRAPHIC LOG



Derelict Longley Hey Farmhouse front view with dense vegetation in foreground.



Derelict Longley Hey Farmhouse side view with Heras fencing in foreground.



Derelict Longley Hey Farmhouse side view with tarmac surface in foreground.



Out building on site in background with concrete hardstanding in foreground.



Grazing pastures adjoining the western site boundary.



Open ditch and dry stone wall along the eastern site boundary.



Grazing pastures adjoining the northern site boundary separated by wire & post fencing.



Open land with saplings trees adjoining the eastern site boundary.



Area of restored landfill site to the south and southeast of the site boundary.



Area of restored landfill site to the south with a pond feature.



Access route to site from the south.



Access route leading away from the site southwards.

APPENDIX 2

HISTORICAL MAPS

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		Minor Roads		
	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 Burgh 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
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	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, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

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)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough 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

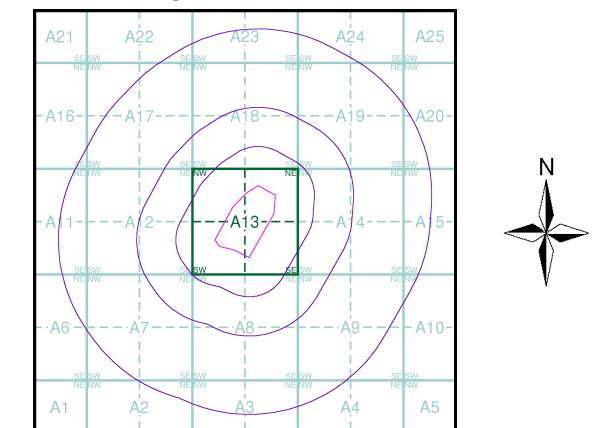
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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Yorkshire	1:10,560	1854	4
Yorkshire	1:10,560	1894	5
Lancashire And Furness	1:10,560	1894 - 1895	6
Lancashire And Furness	1:10,560	1910 - 1911	7
Yorkshire	1:10,560	1911	8
Yorkshire	1:10,560	1911	9
Lancashire And Furness	1:10,560	1930 - 1932	10
Lancashire And Furness	1:10,560	1938	11
Yorkshire	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1956	13
Ordnance Survey Plan	1:10,000	1968	14
Manchester	1:25,000	1975	15
Ordnance Survey Plan	1:10,000	1978	16
Ordnance Survey Plan	1:10,000	1980	17
Ordnance Survey Plan	1:10,000	1990	18
10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2023	21

Historical Map - Slice A



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Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180 180 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge Water Level Mark

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

Key to Numbers on Mapping

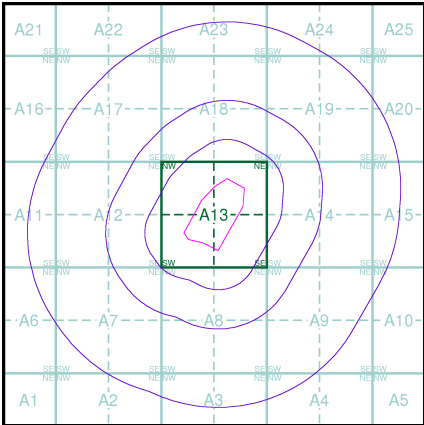
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10K Raster Mapping	1:10,000	1999	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2023	21

Russian Map - Slice A



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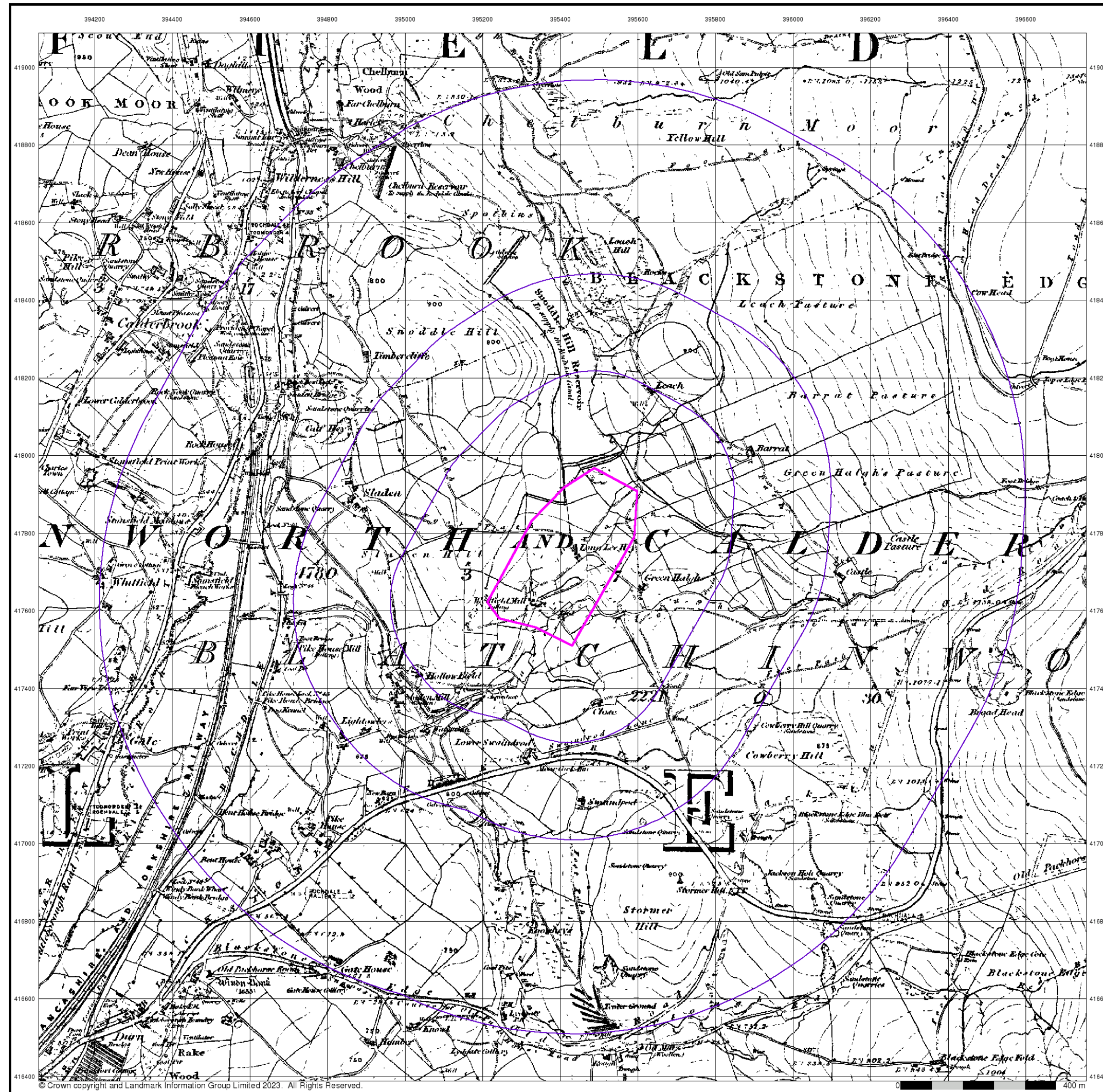
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Site Details

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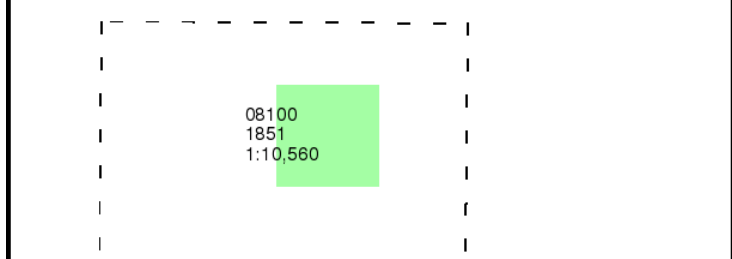
Lancashire And Furness

Published 1851

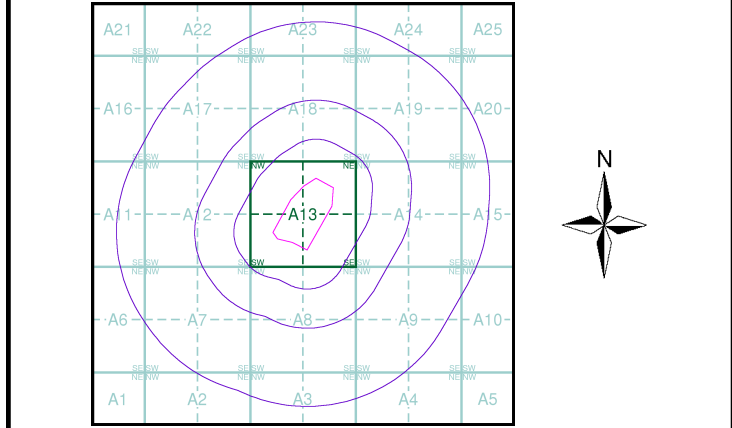
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Map Name(s) and Date(s)



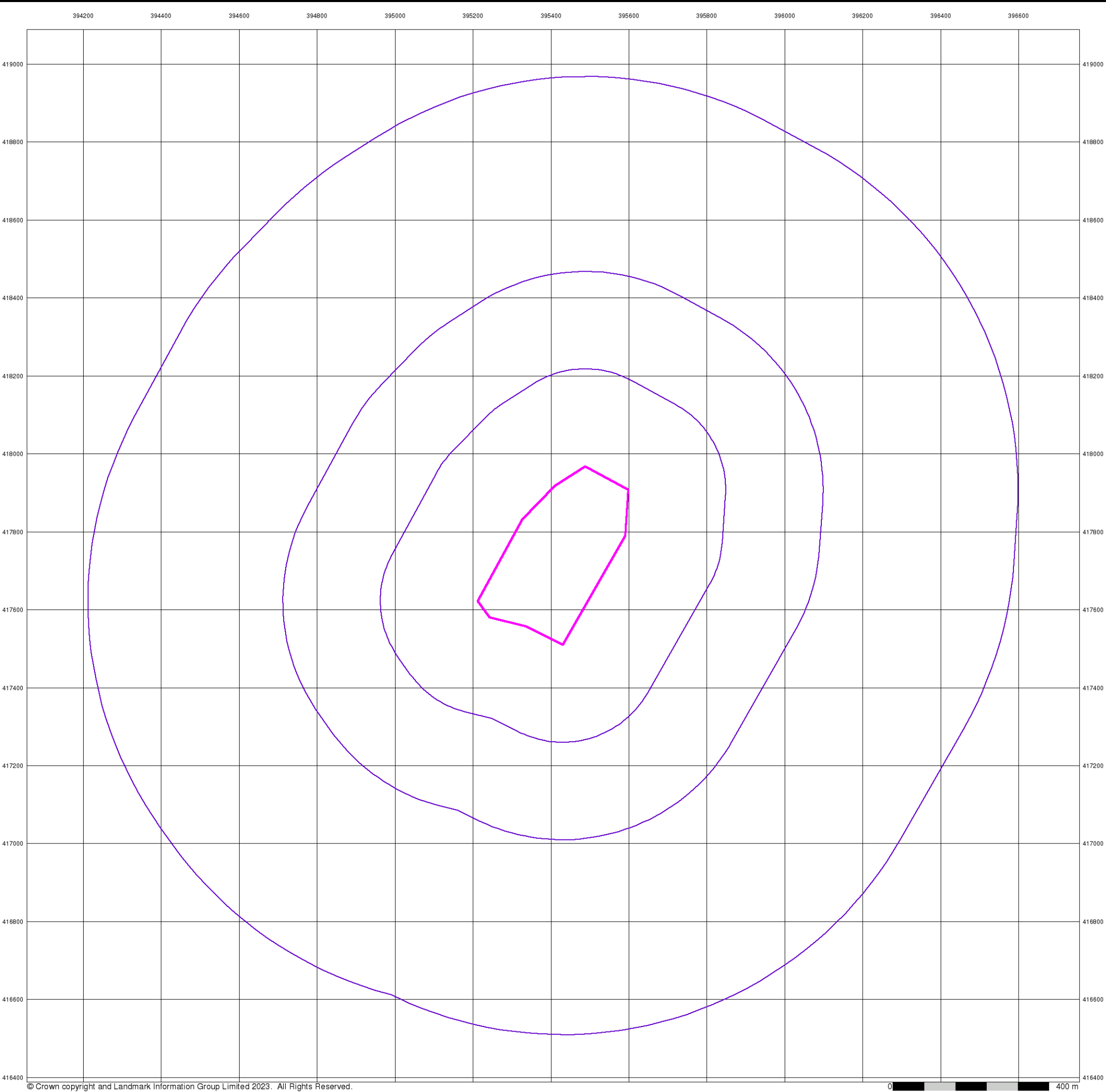
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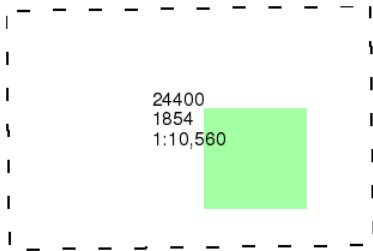
Yorkshire

Published 1854

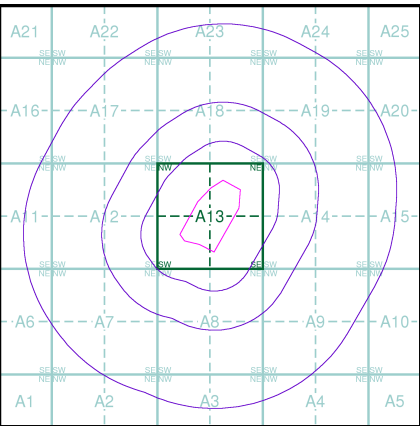
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Map Name(s) and Date(s)



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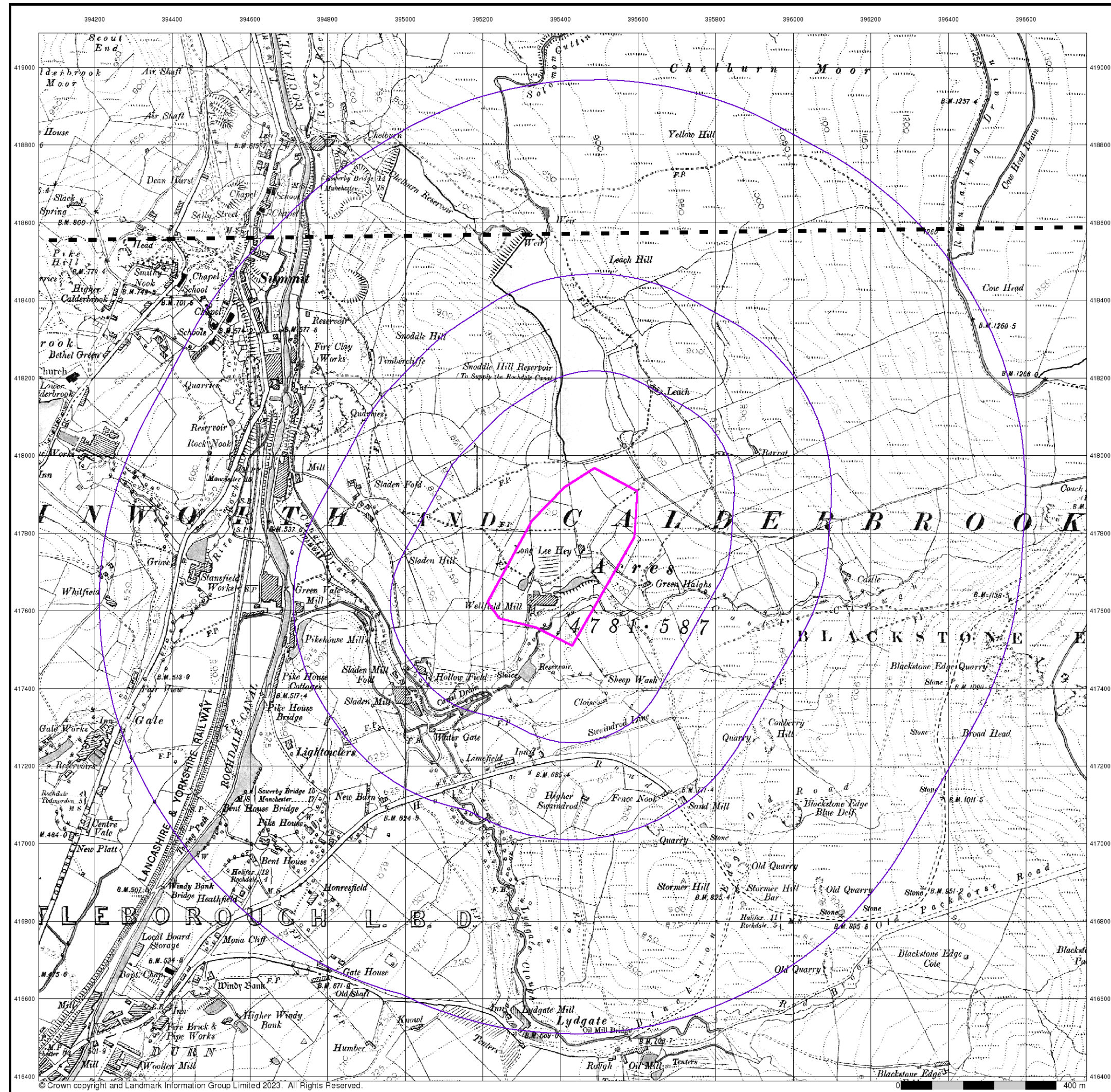


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Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780



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Yorkshire

Published 1894

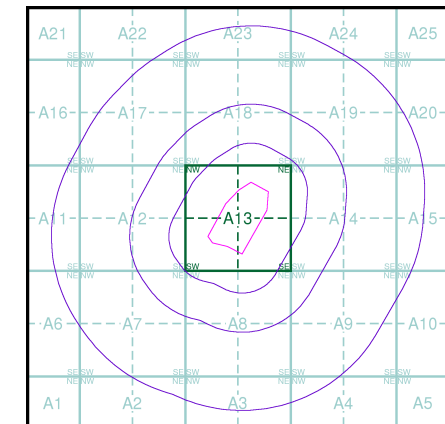
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Map Name(s) and Date(s)

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244SE 1894 1:10,560

Historical Map - Slice A



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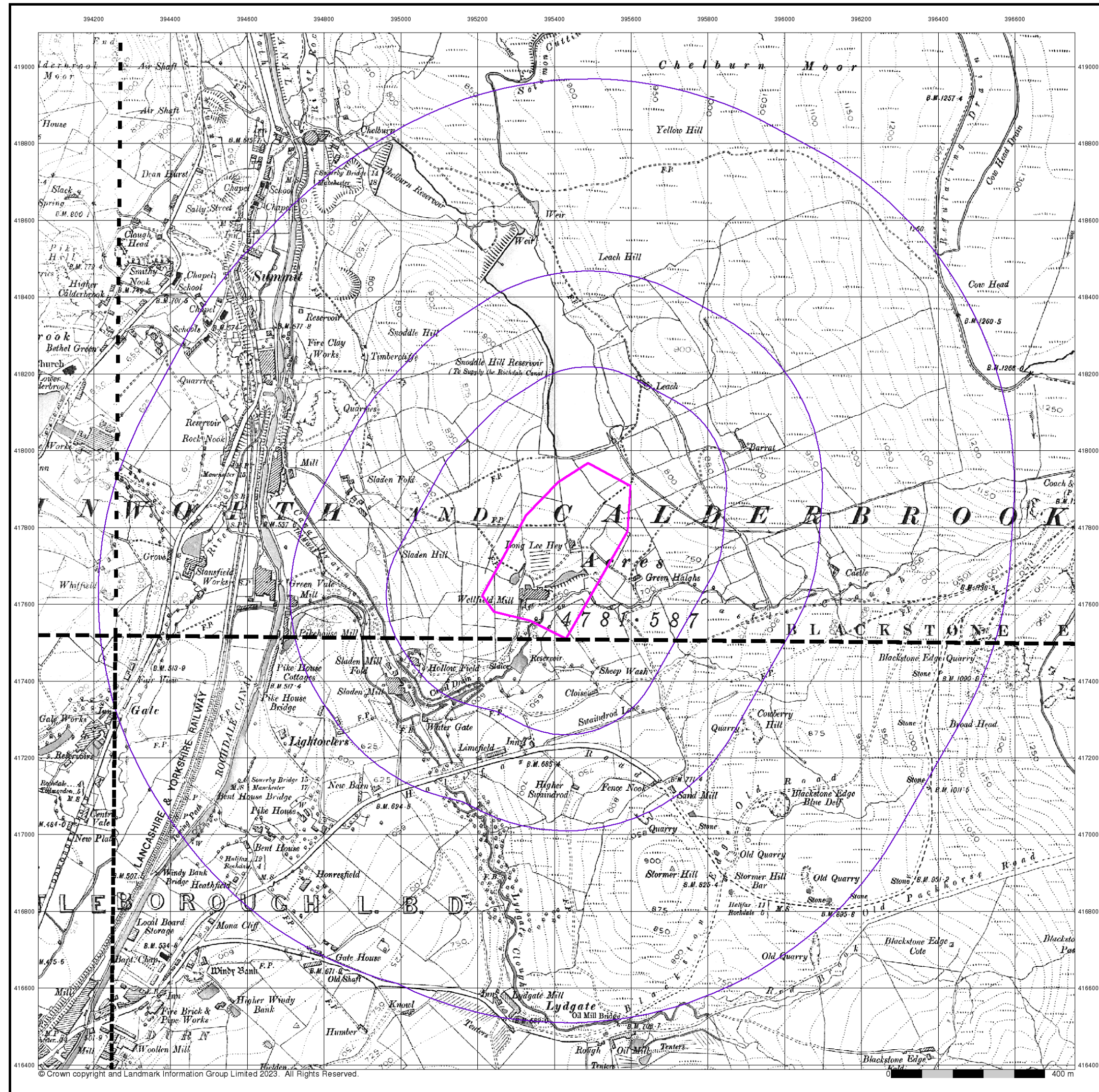
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Lancashire And Furness

Published 1894 - 1895

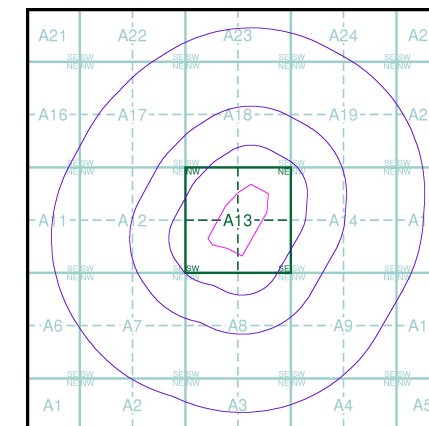
Source map scale - 1:10,560

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)

081NW 1895 1:10,560	081NE 1895 1:10,560
081SW 1894 1:10,560	081SE 1895 1:10,560

Historical Map - Slice A

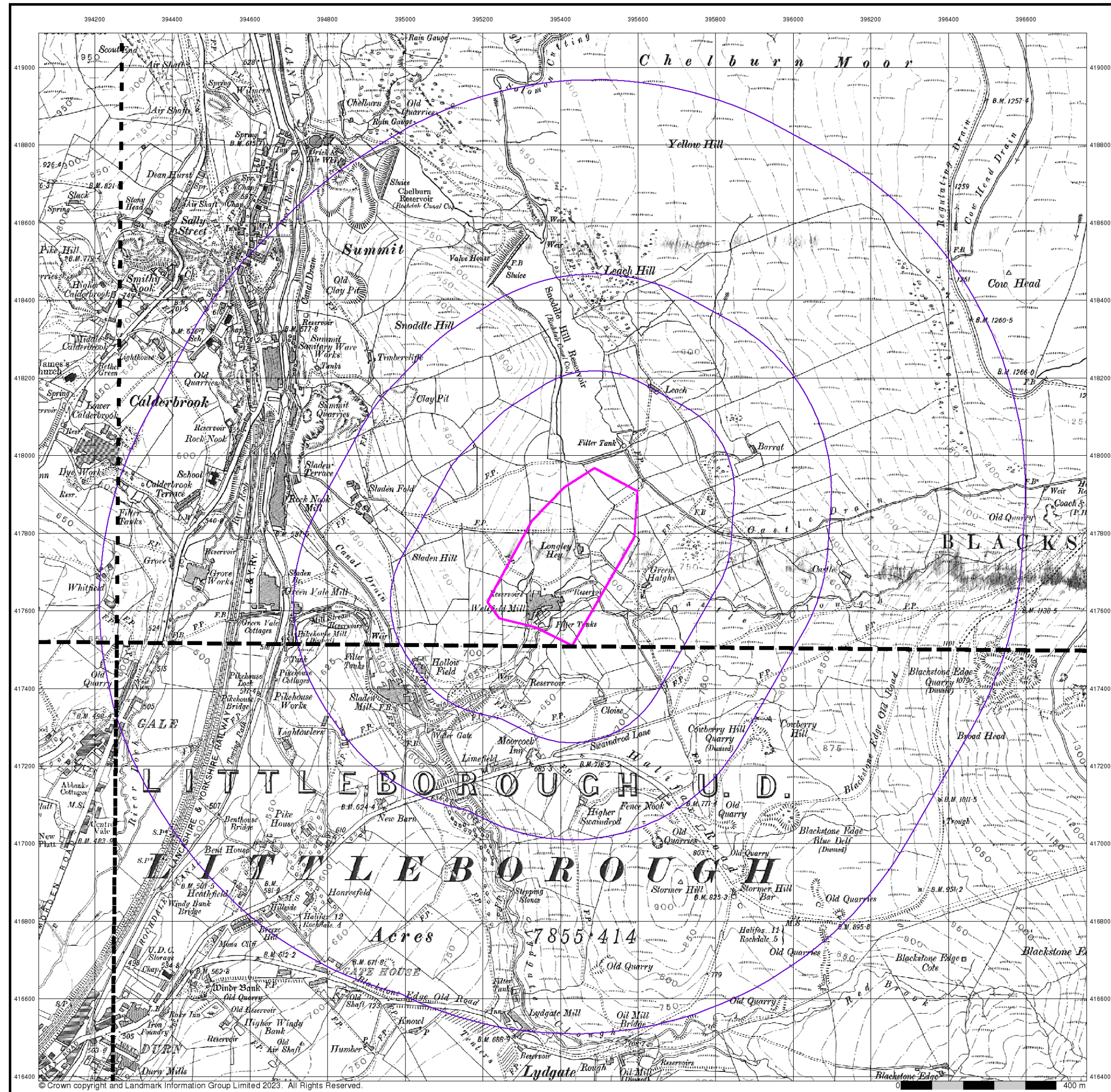


Order Details

Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780



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Lancashire And Furness

Published 1910 - 1911

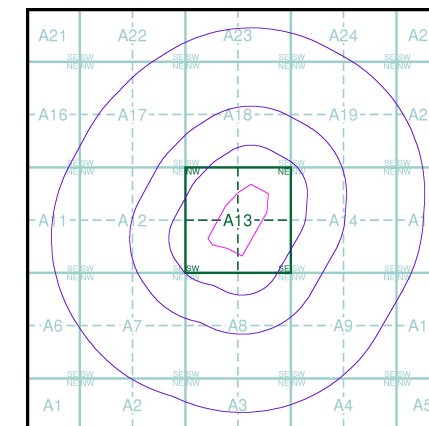
Source map scale - 1:10,560

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)

081NW 1911 1:10,560	081NE 1911 1:10,560
081SW 1911 1:10,560	081SE 1910 1:10,560

Historical Map - Slice A



Order Details

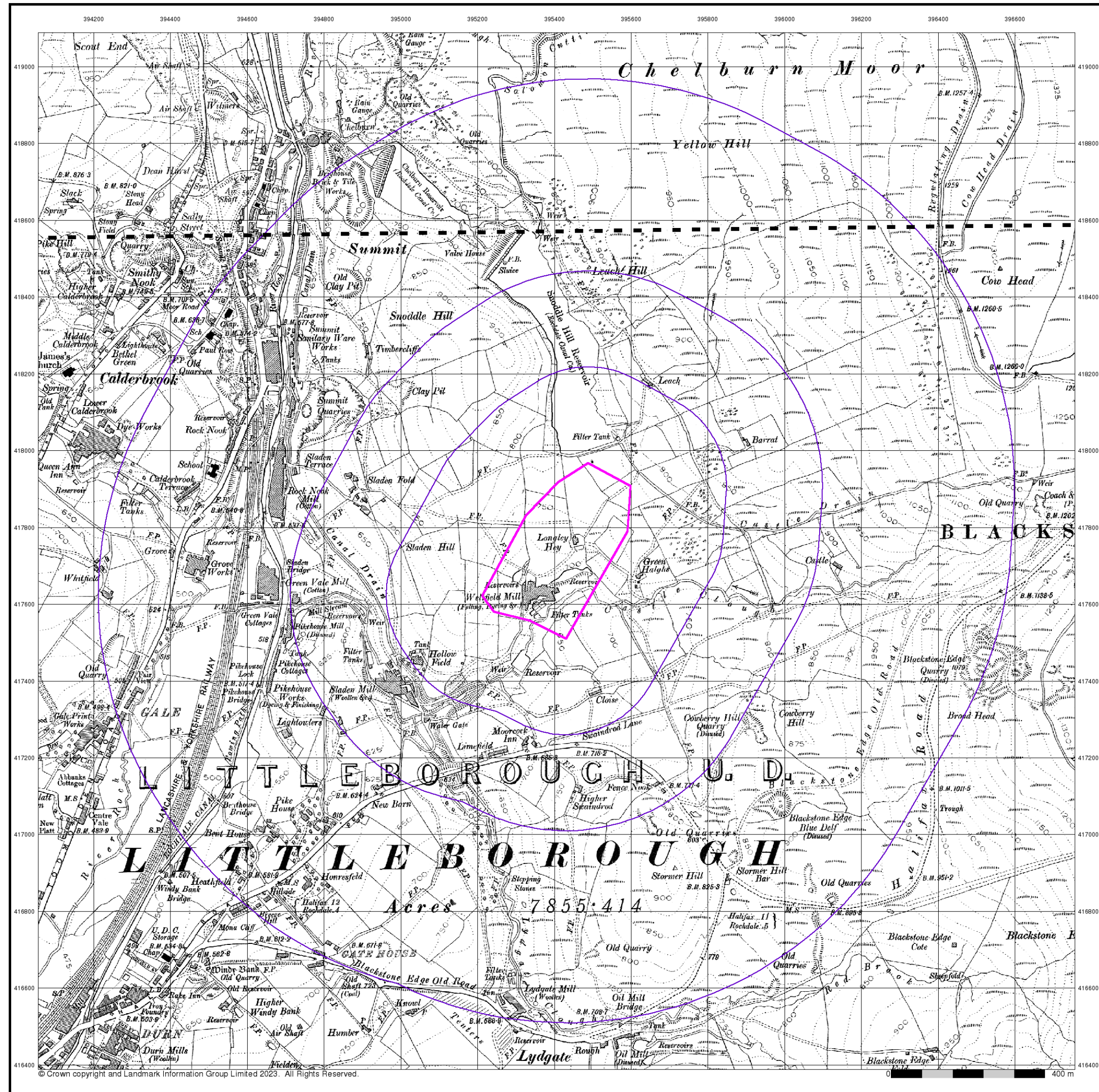
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Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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Yorkshire

Published 1911

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)

244NE	1911	1:10,560
244SE	1911	1:10,560

Historical Map - Slice A

Order Details

Order Number:	329558604_1_1
Customer Ref:	UAA-FPC1003
National Grid Reference:	395420, 417740
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Site Details

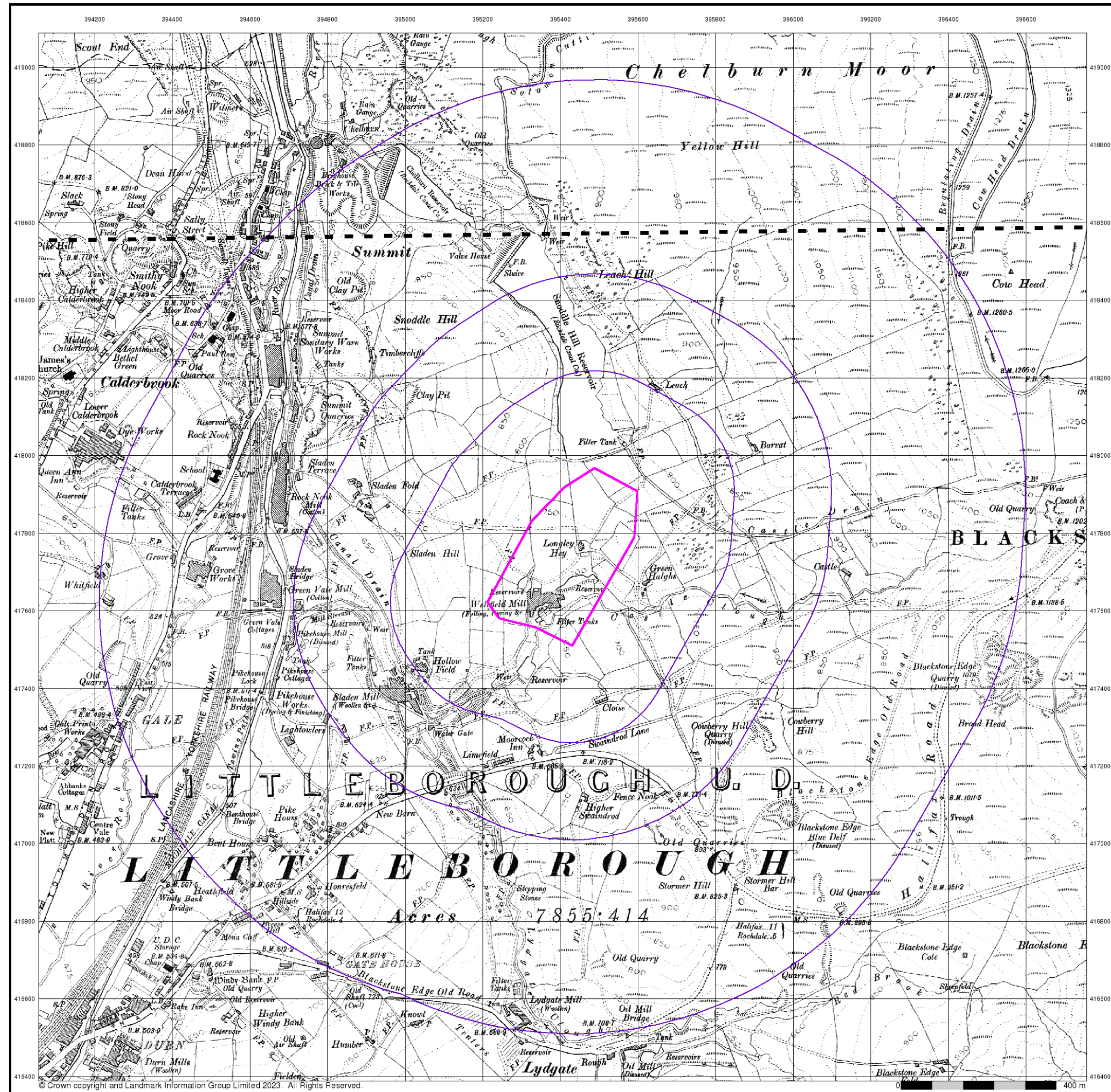
Site at 395460, 417780

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Yorkshire

Published 1911

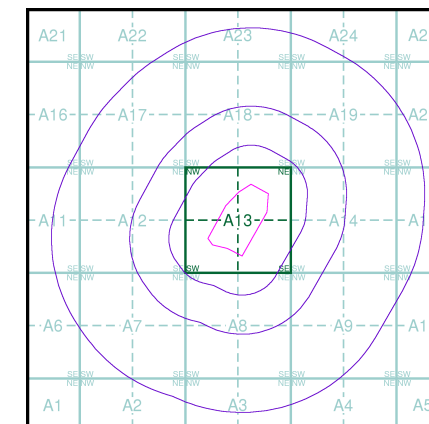
Source map scale - 1:10,560

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)

244NE
1911
1:10,560
244SE
1911
1:10,560

Historical Map - Slice A



Order Details

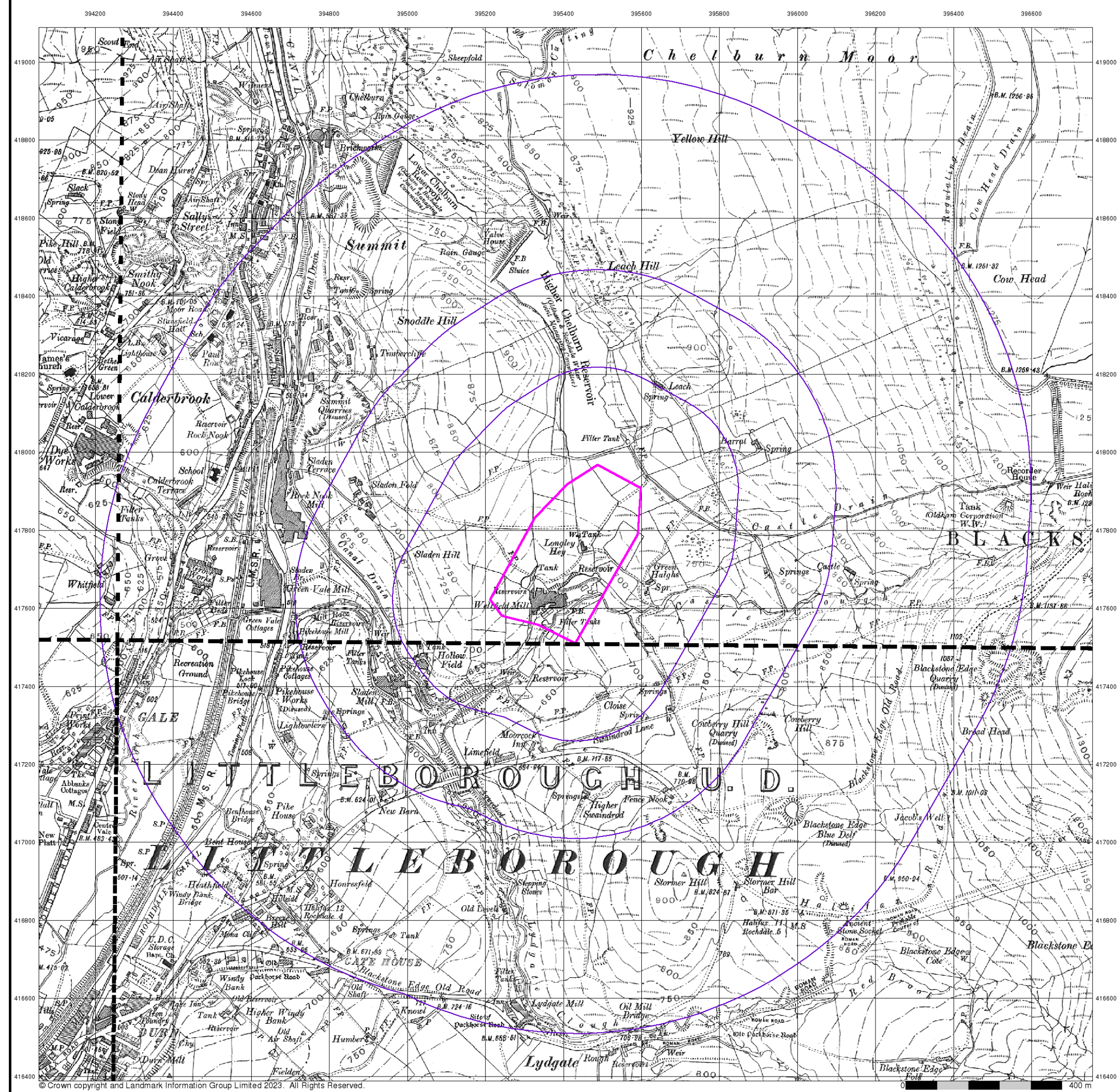
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National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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Lancashire And Furness

Published 1930 - 1932

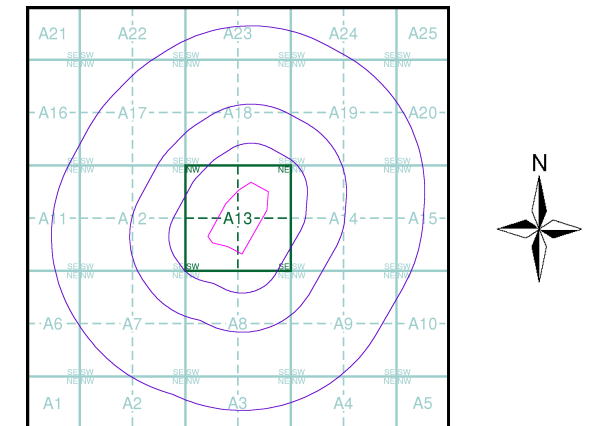
Source map scale - 1:10,560

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)

081NW 1931 1:10,560	081NE 1931 1:10,560
081SW 1932 1:10,560	081SE 1930 1:10,560

Historical Map - Slice A

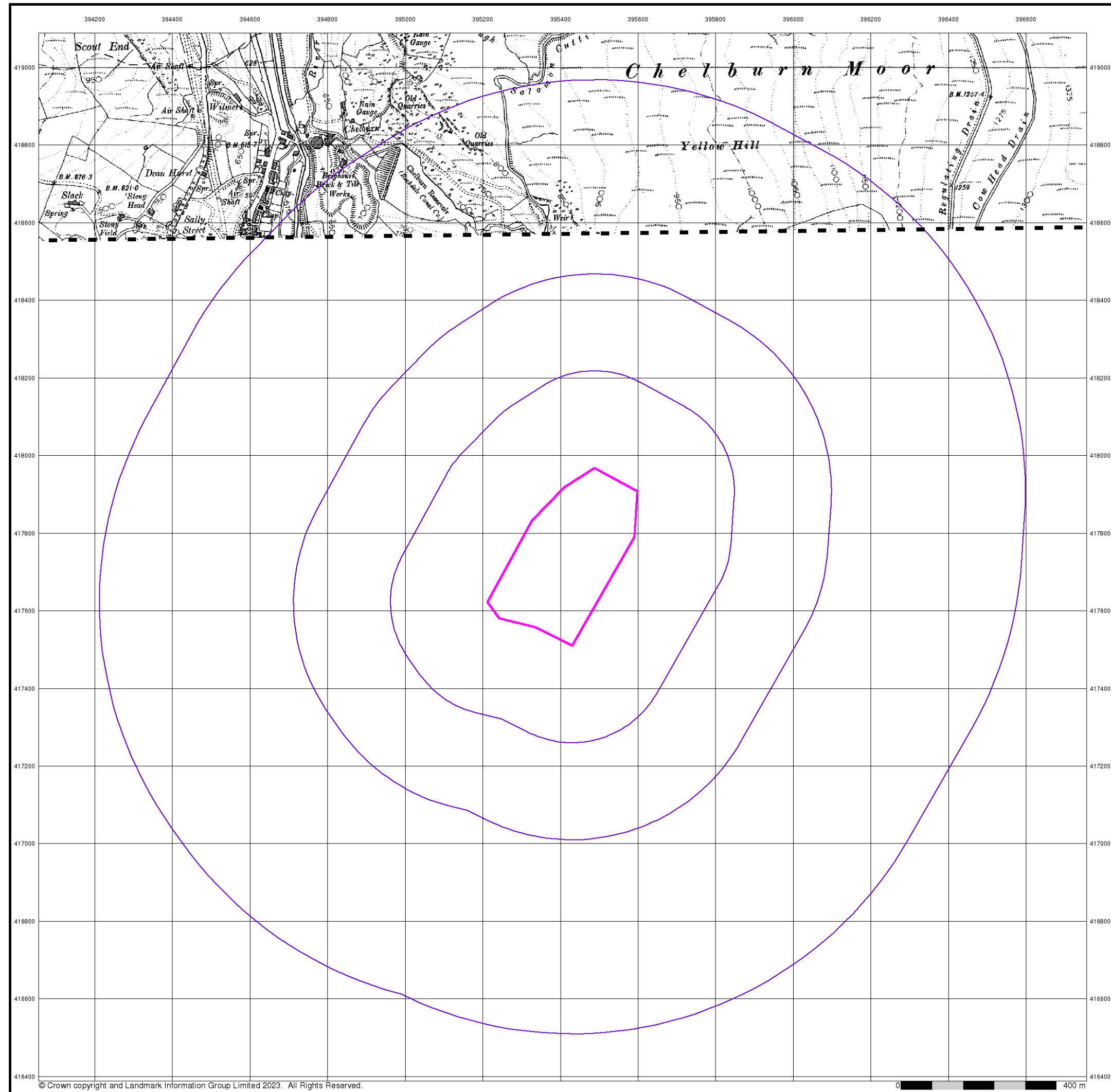


Order Details

Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780



Yorkshire

Published 1938

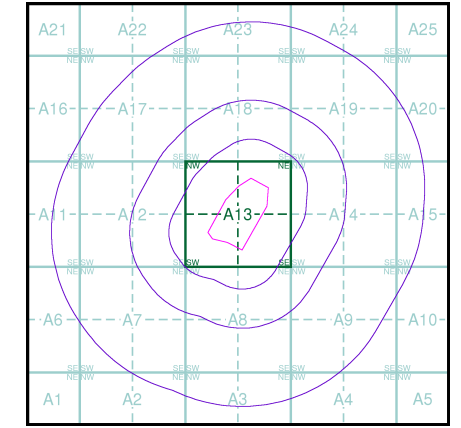
Source map scale - 1:10,560

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)

244NE
1938
1:10,560

Historical Map - Slice A

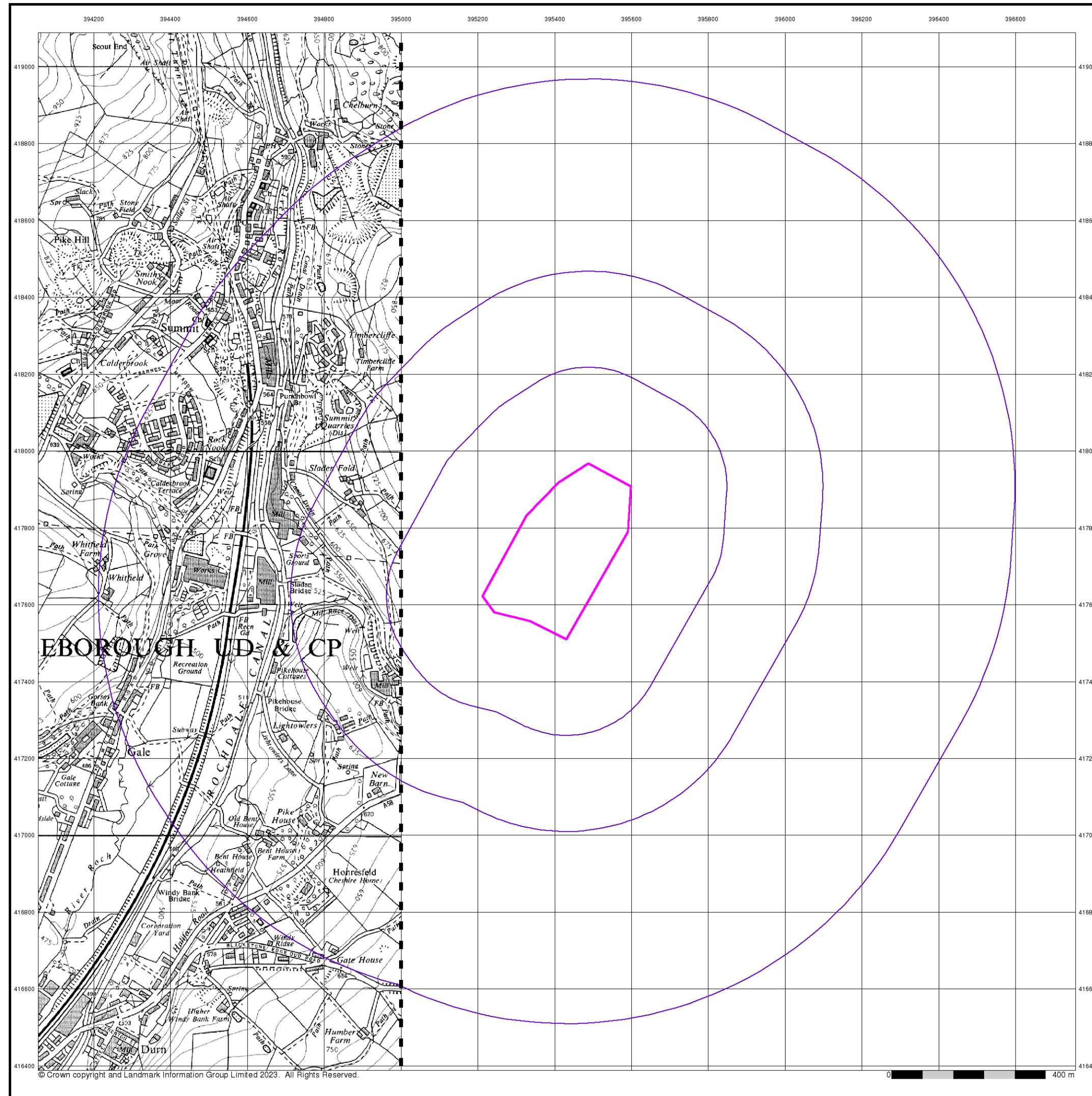


Order Details

Order Number: 329558604_1_1
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National Grid Reference: 395420, 417740
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Site Area (Ha): 10.06
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Site Details

Site at 395460, 417780



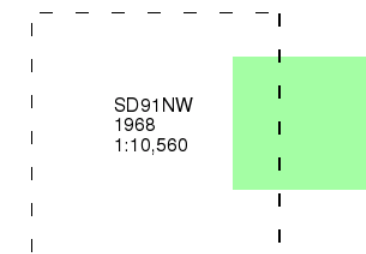
Ordnance Survey Plan

Published 1968

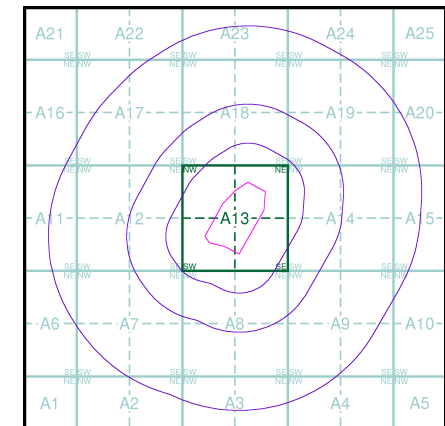
Source map scale - 1:10,000

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:

Customer Ref:

National Grid Reference:

Slice:

Site Area (Ha):

Search Buffer (m):

329558604_1_1

UAA-FPC1003

395420, 417740

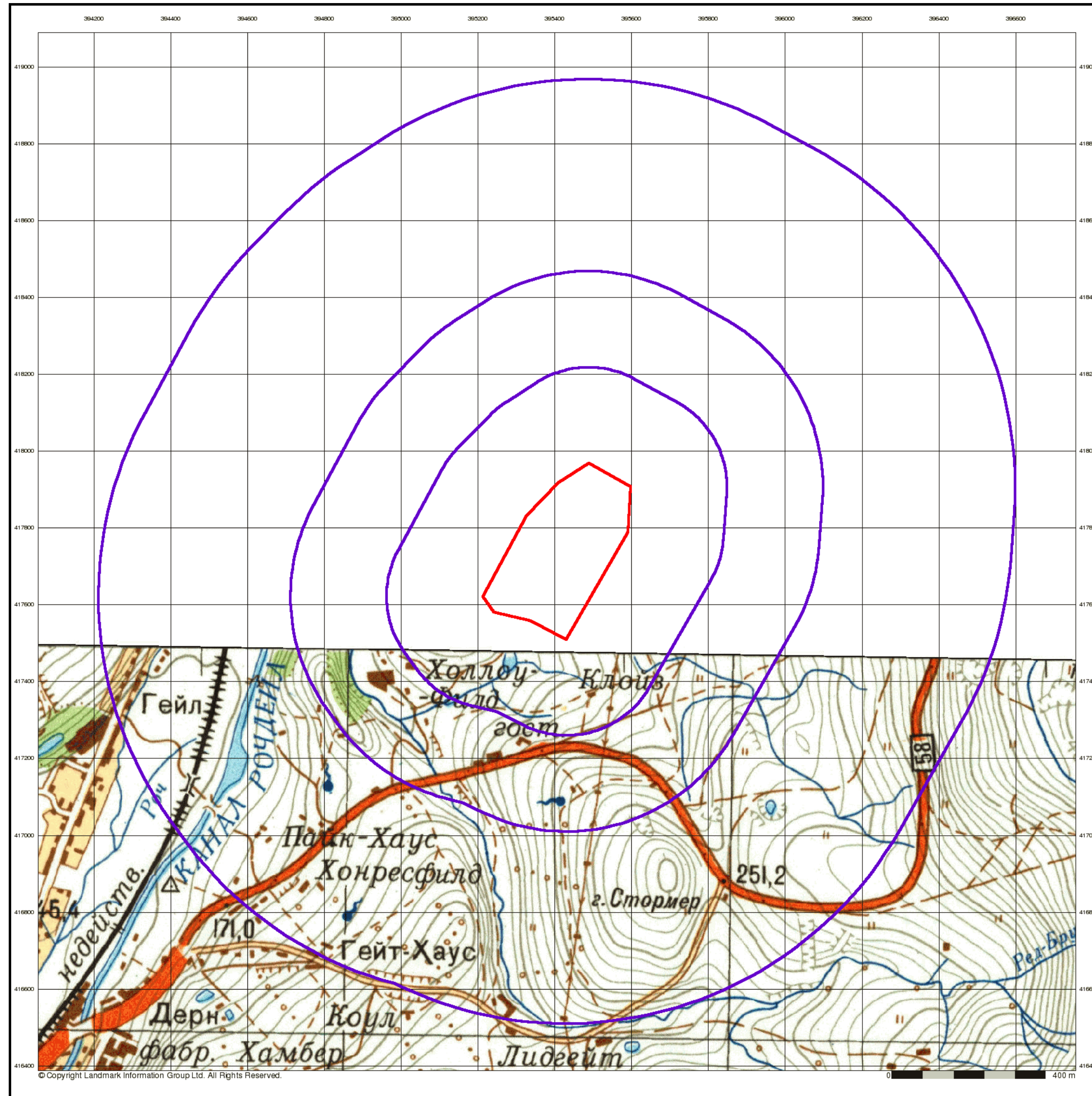
A

10.06

1000

Site Details

Site at 395460, 417780



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Manchester

Published 1975

Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SD91
1975
1:25,000

Russian Map - Slice A

Order Details

Order Number:	329558604_1_1
Customer Ref:	UAA-FPC1003
National Grid Reference:	395420, 417740
Slice:	A
Site Area (Ha):	10.06
Search Buffer (m):	1000

Site Details

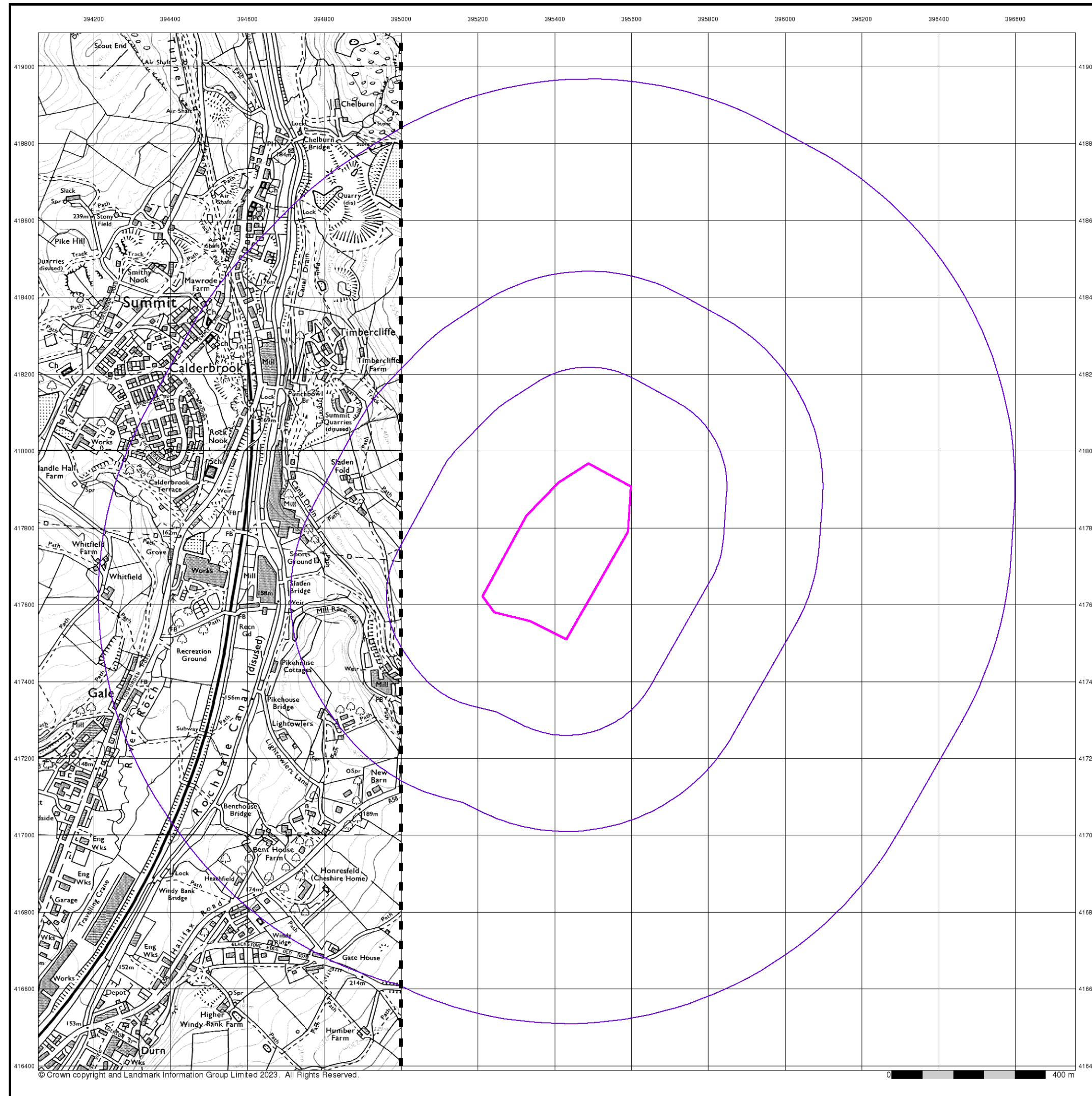
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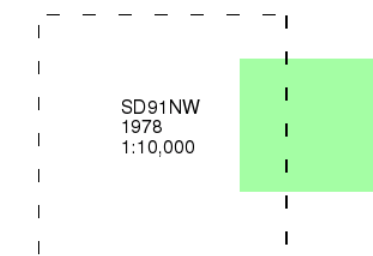
Ordnance Survey Plan

Published 1978

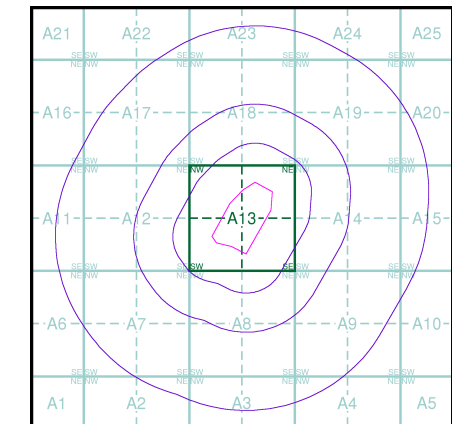
Source map scale - 1:10,000

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

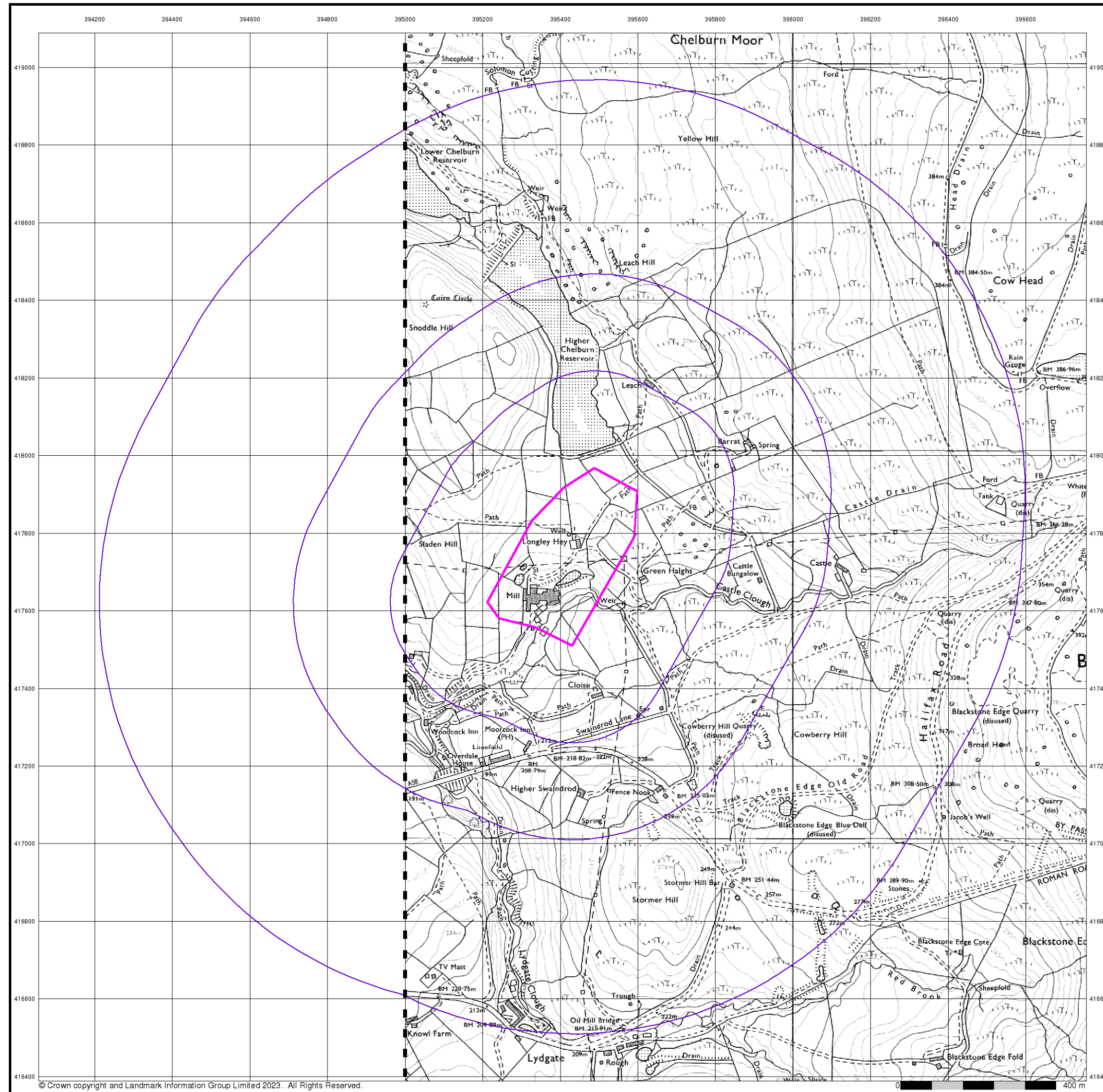


Order Details

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Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
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Site Area (Ha): 10.06
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Site Details

Site at 395460, 417780



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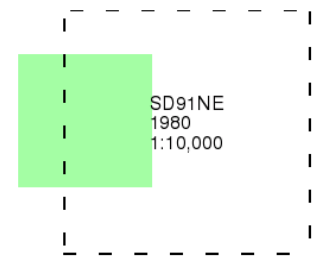
Ordnance Survey Plan

Published 1980

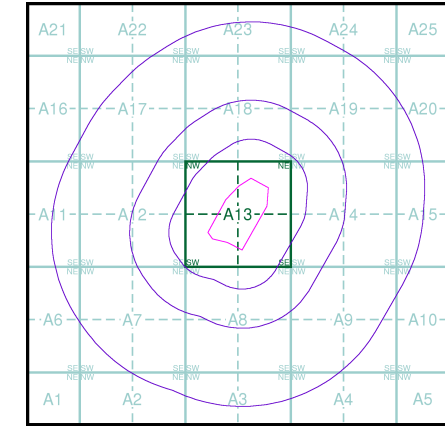
Source map scale - 1:10,000

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

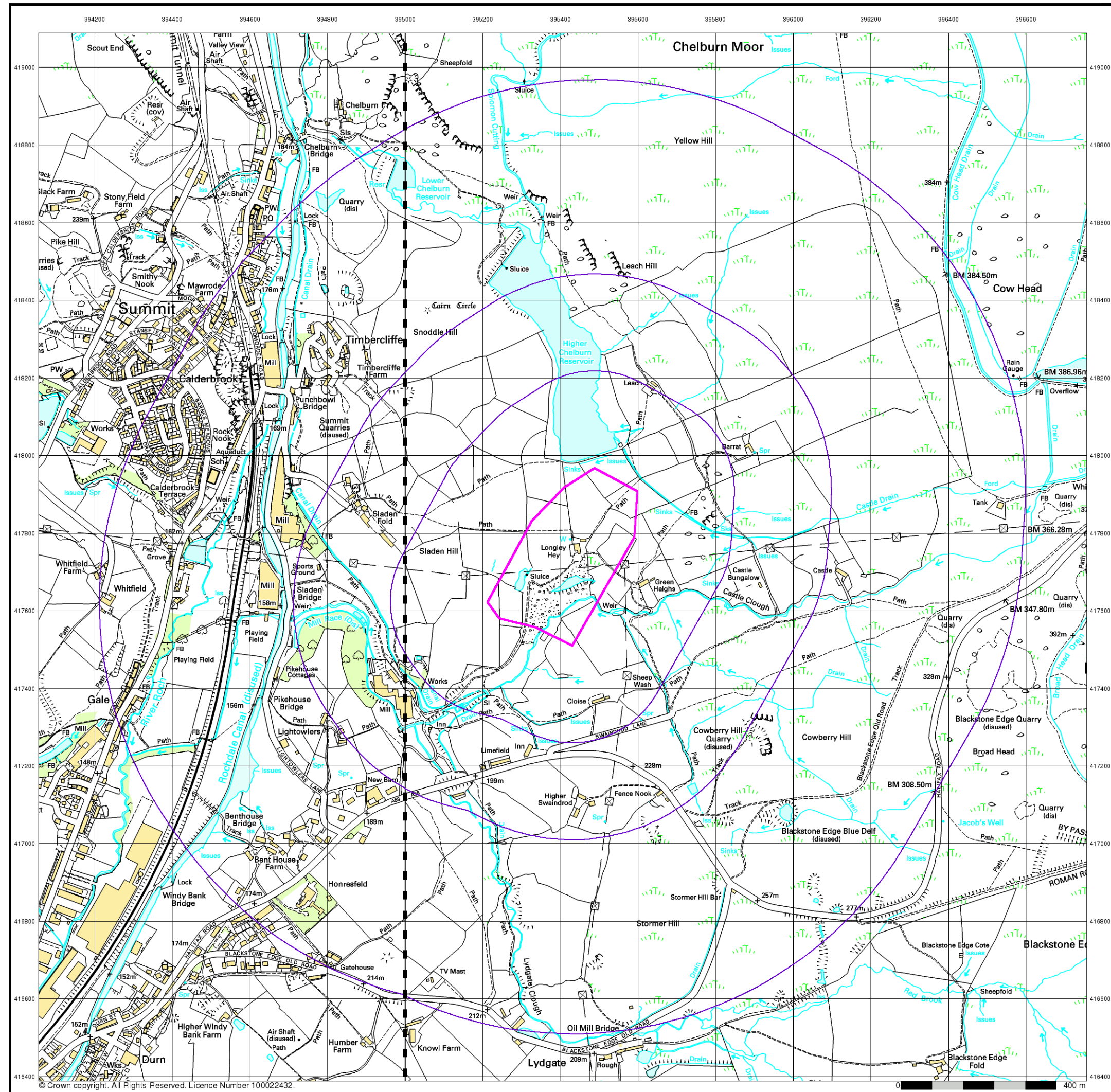


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Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780



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10k Raster Mapping

Published 1999

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD91NW
1999
1:10,000

SD91NE
1999
1:10,000

Historical Map - Slice A

Order Details

Order Number:	329558604_1_1
Customer Ref:	UAA-FPC1003
National Grid Reference:	395420, 417740
Slice:	A
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Site Details

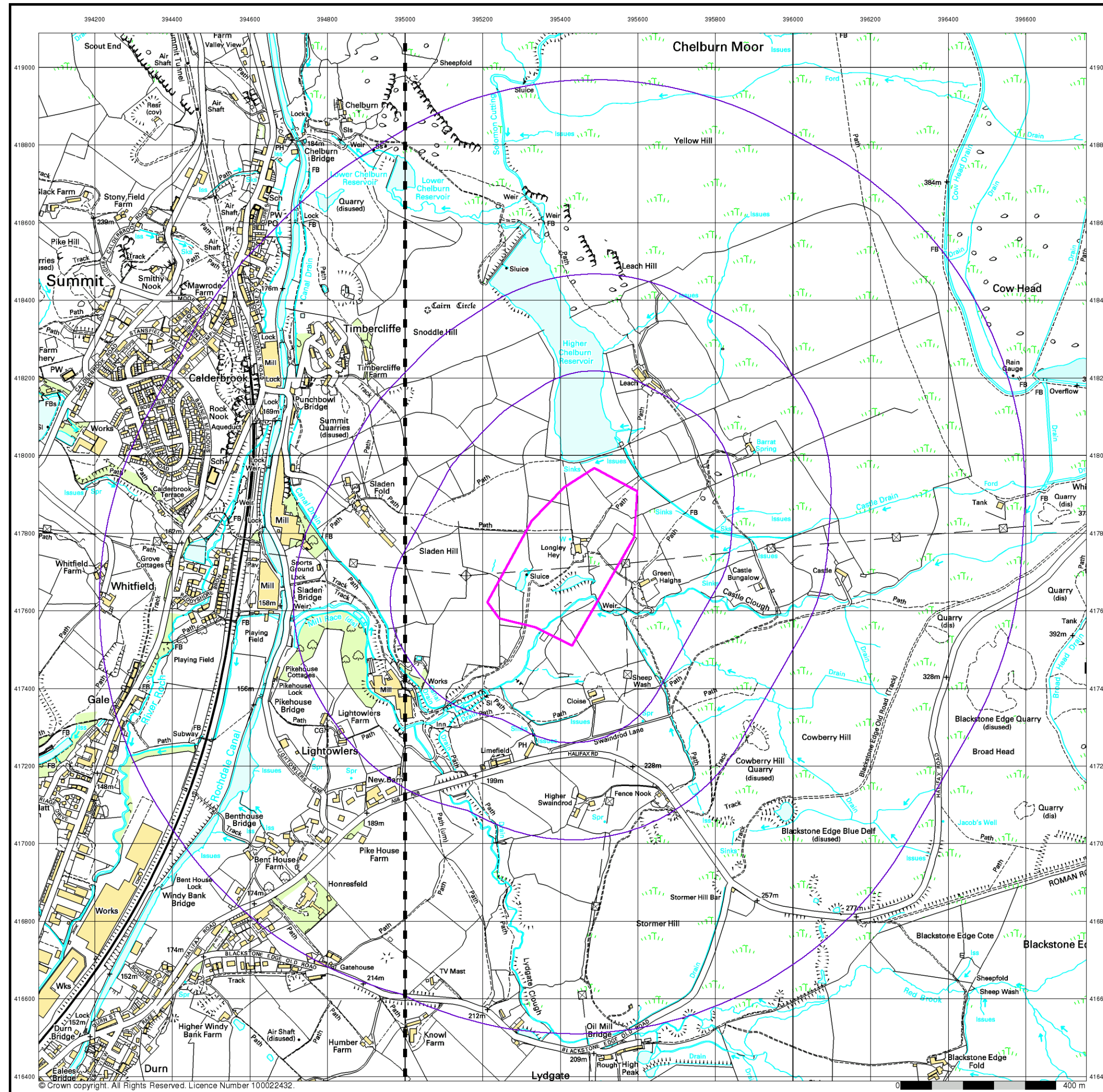
Site at 395460, 417780

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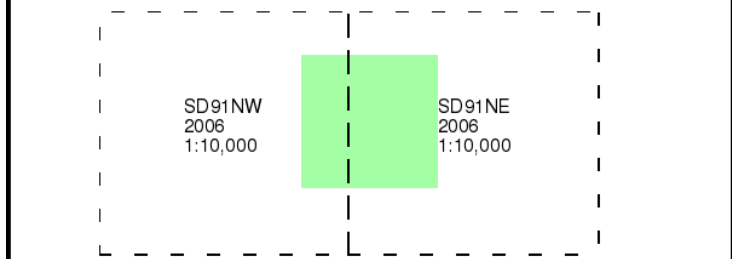
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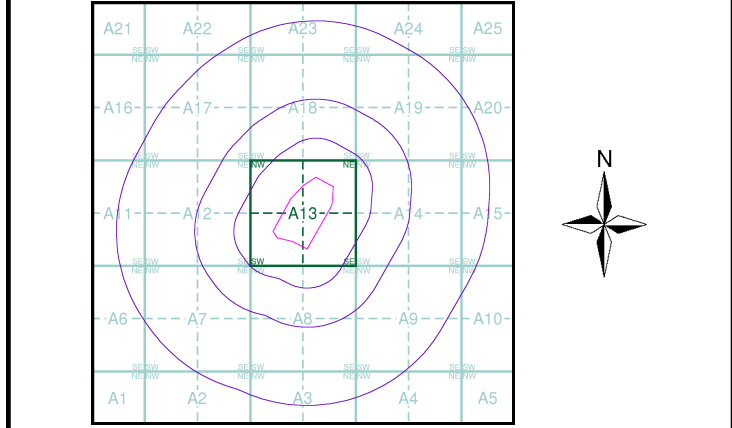
10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

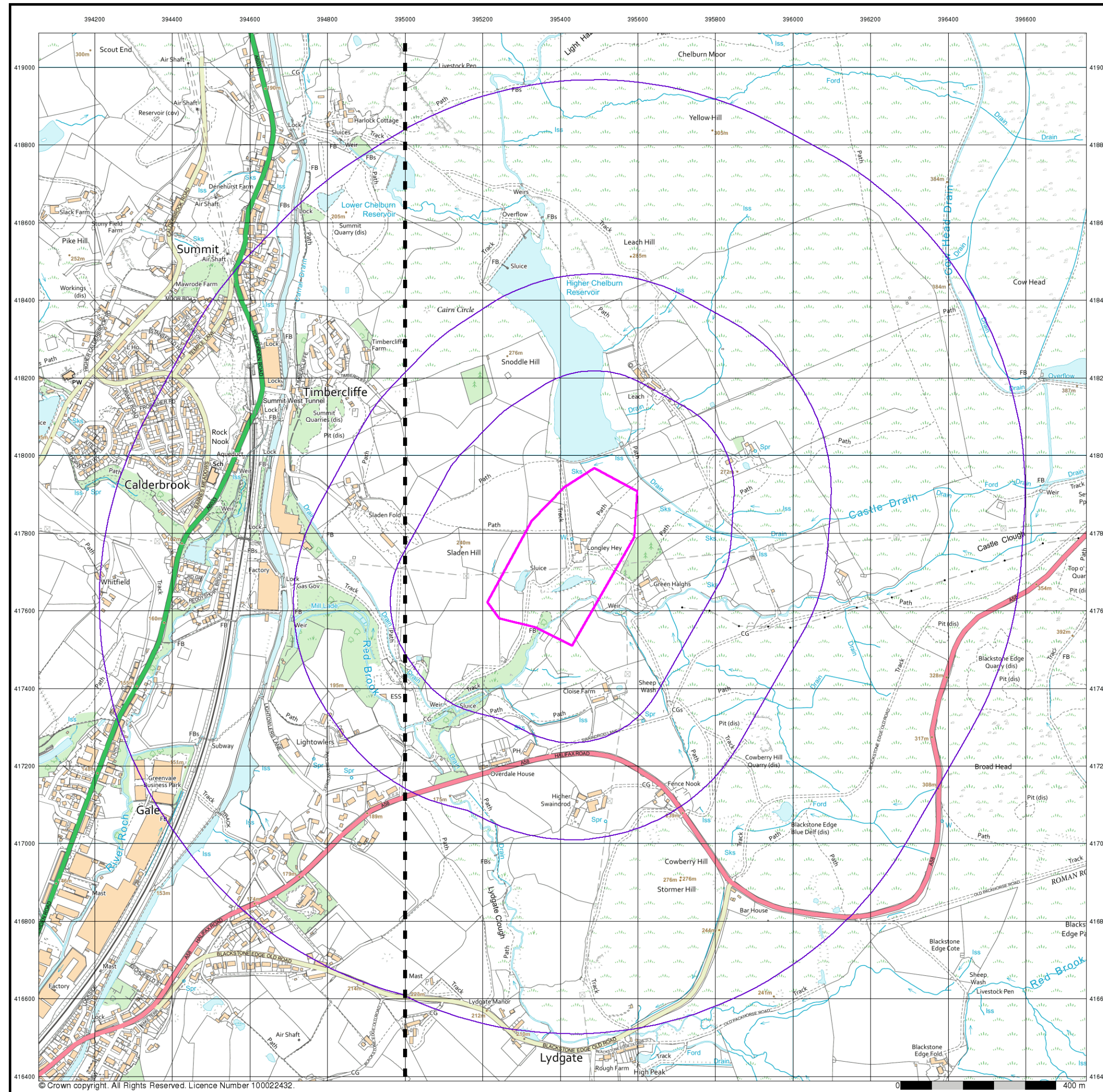


Order Details	
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Customer Ref:	UAA-FPC1003
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Slice:	A
Site Area (Ha):	10.06
Search Buffer (m):	1000

Site Details
Site at 395460, 417780

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0 400 m

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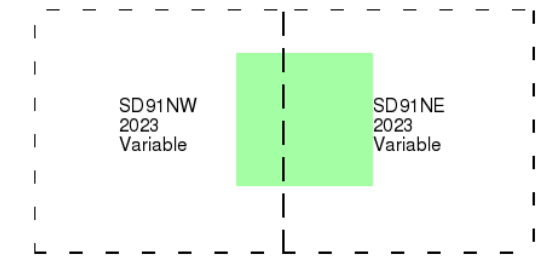
VectorMap Local

Published 2023

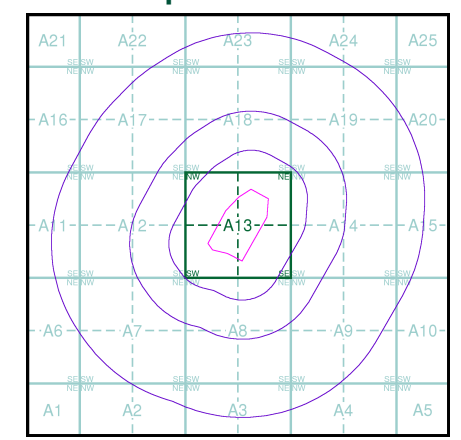
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

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Historical Mapping Legends

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



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



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



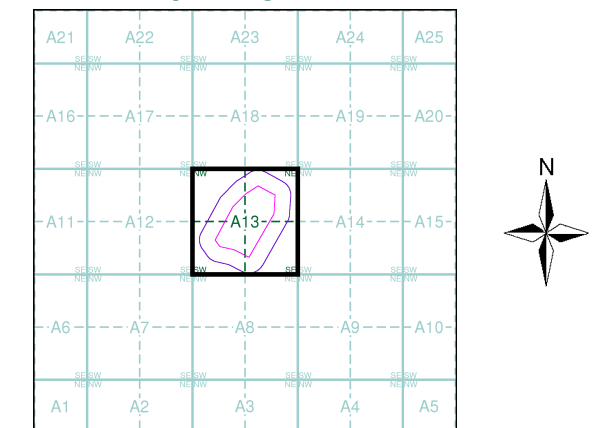
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Ordnance Survey Plan	1:2,500	1963	5
Additional SIMs	1:2,500	1963	6
Large-Scale National Grid Data	1:2,500	1992	7
Large-Scale National Grid Data	1:2,500	1996	8
Historical Aerial Photography	1:2,500	2001	9

Historical Map - Segment A13



Order Details

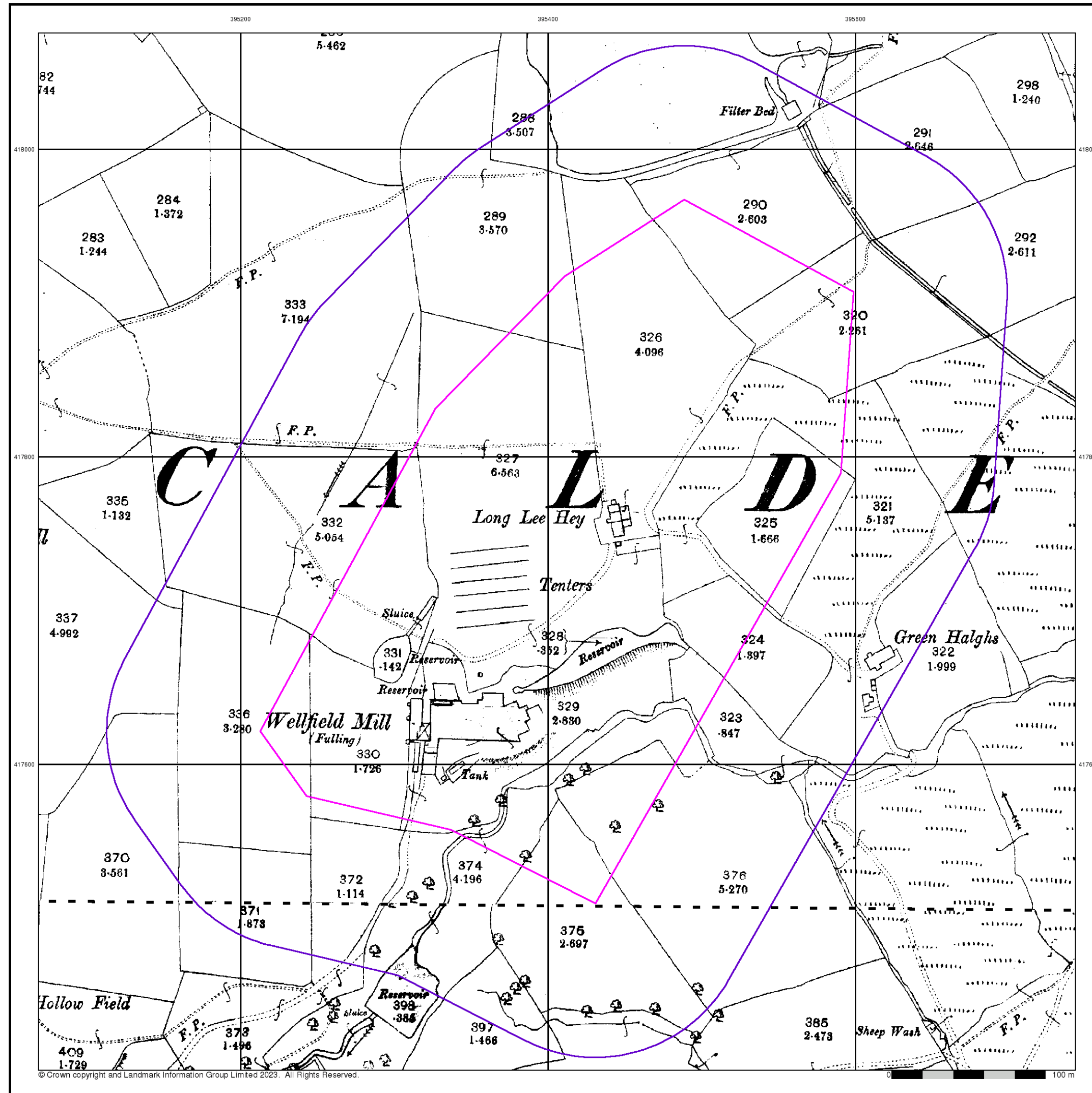
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Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 100

Site Details

Site at 395460, 417780

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Lancashire And Furness

Published 1893

Source map scale - 1:2,500

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Map Name(s) and Date(s)

081_07
1893
1:2,500

081_11
1893
1:2,500

Historical Map - Segment A13

A21A22A23A24A25

A16A17A18A19A20

A11A12A13A14A15

A6A7A8A9A10

A1A2A3A4A5

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Order Details

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Site Details

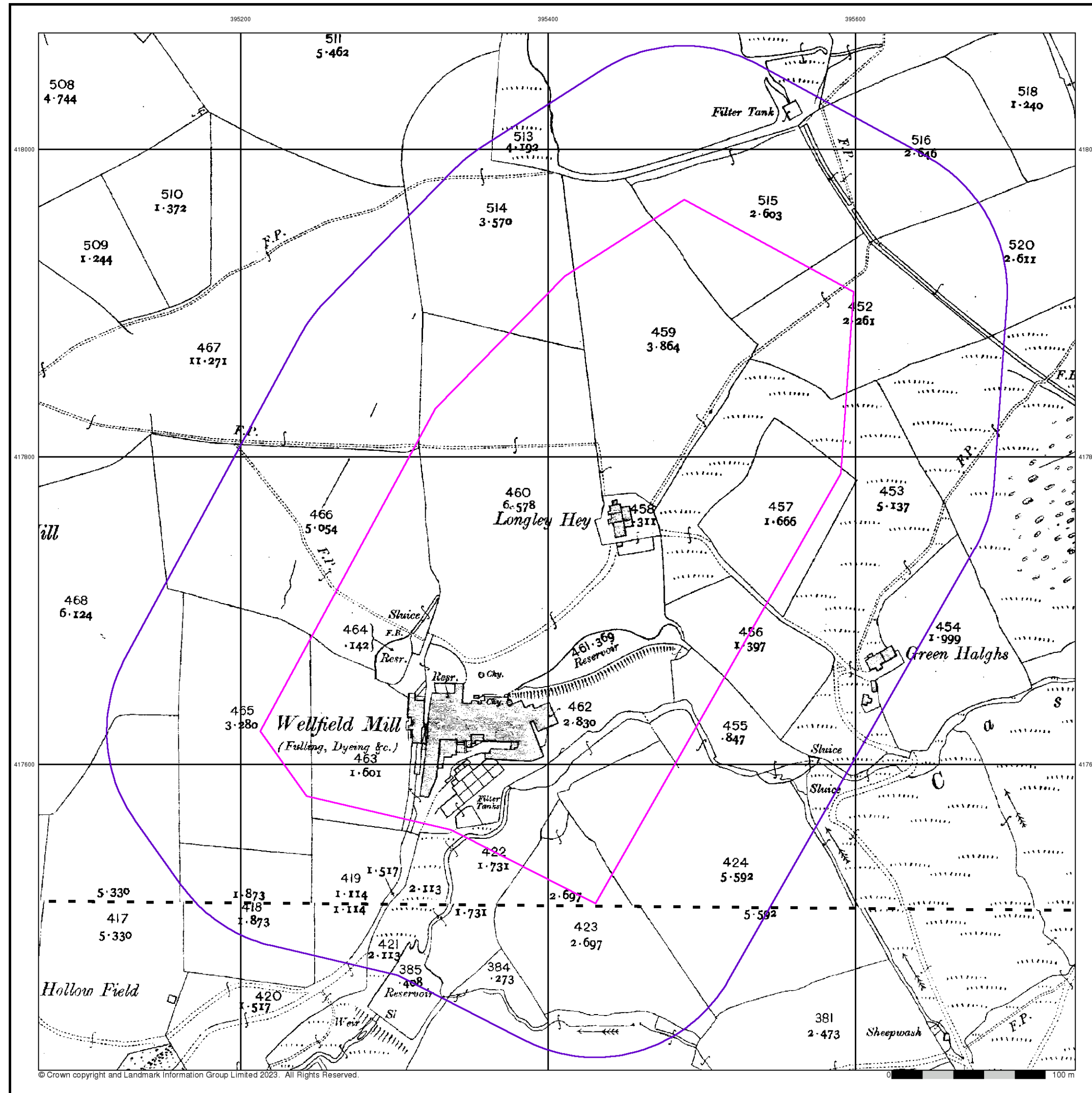
Site at 395460, 417780

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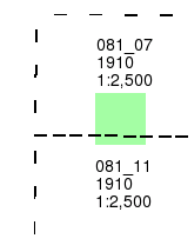
Lancashire And Furness

Published 1910

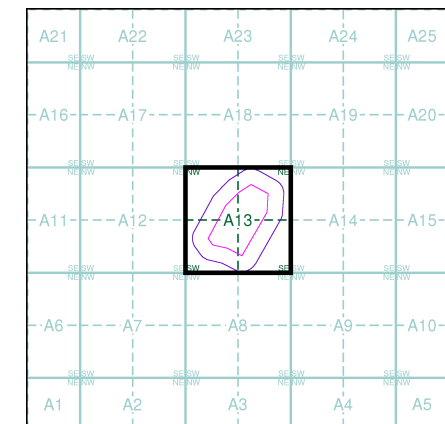
Source map scale - 1:2,500

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

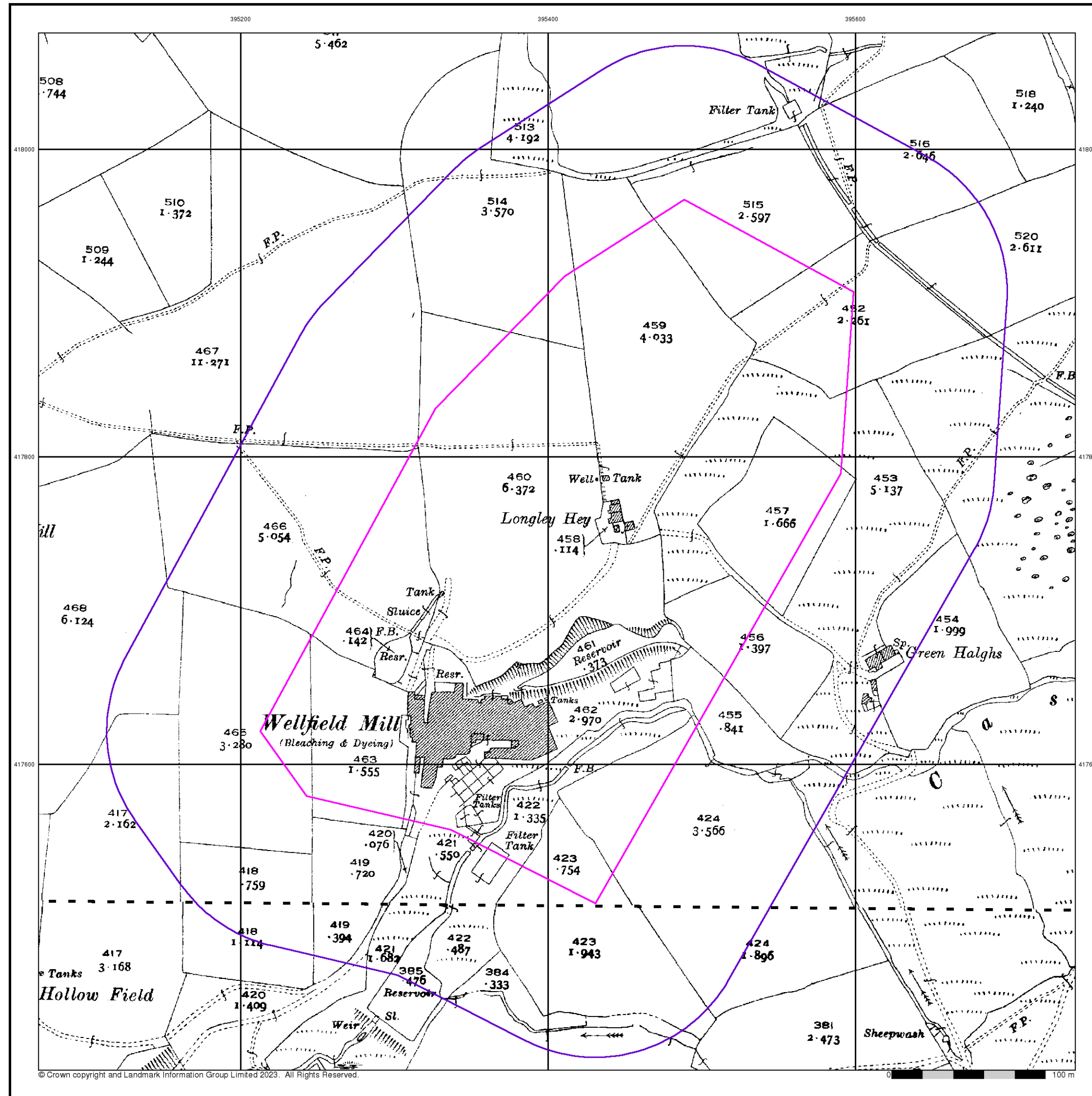
Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 100

Site Details

Site at 395460, 417780

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



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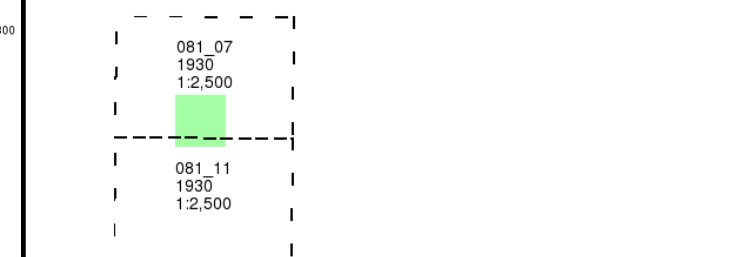
Lancashire And Furness

Published 1930

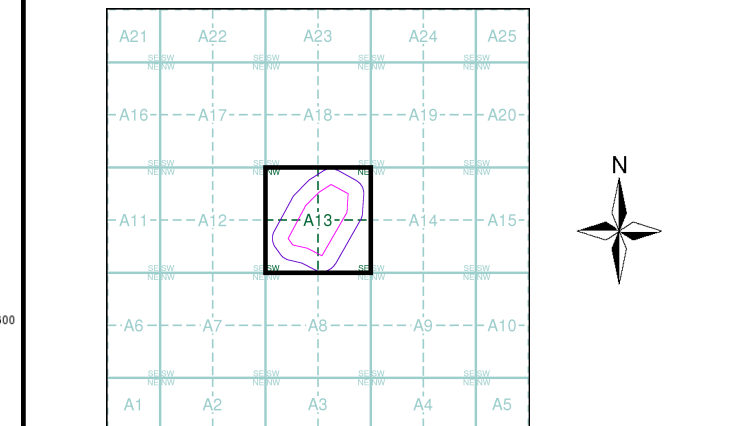
Source map scale - 1:2,500

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

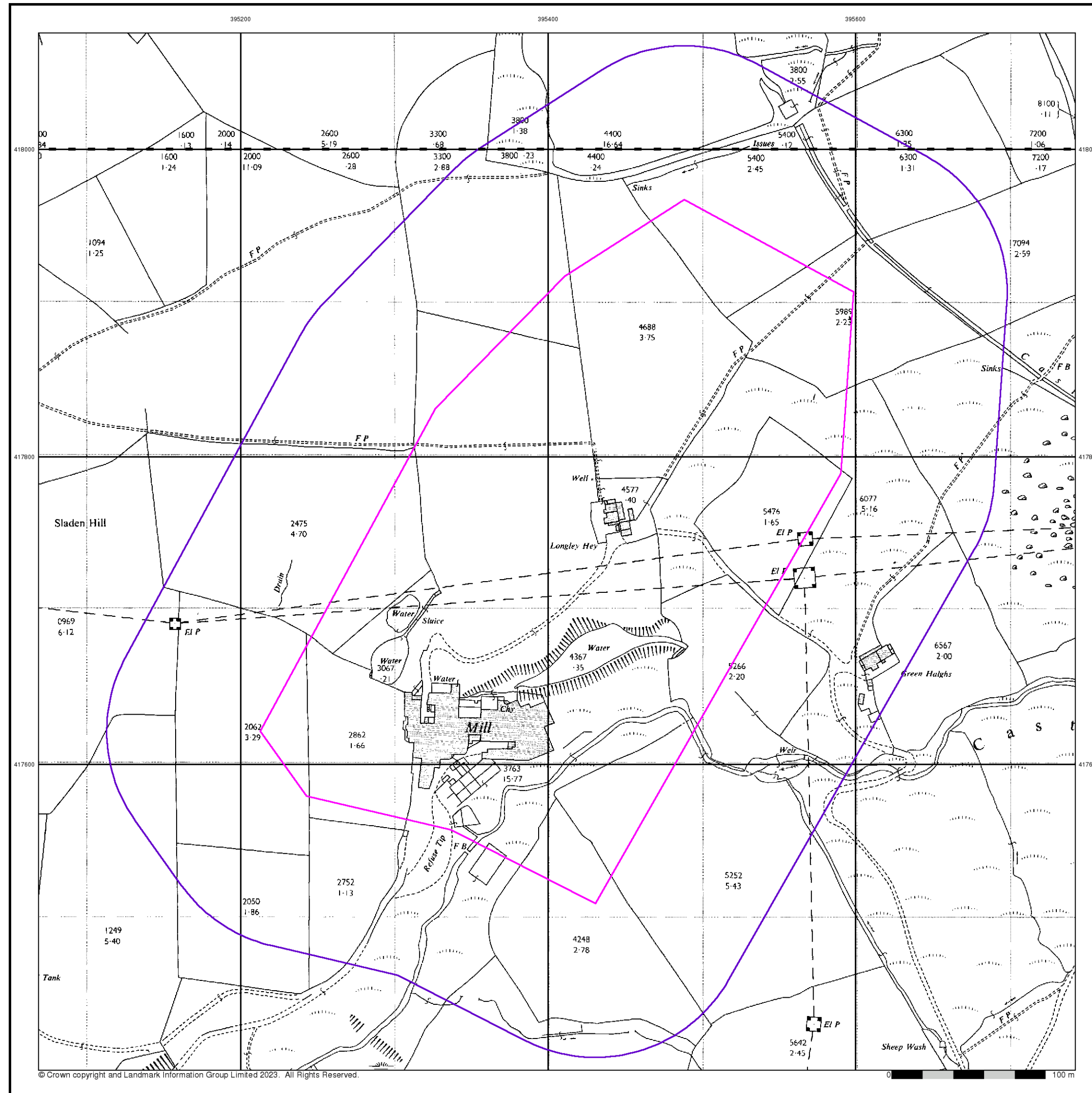
Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
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Ordnance Survey Plan

Published 1963

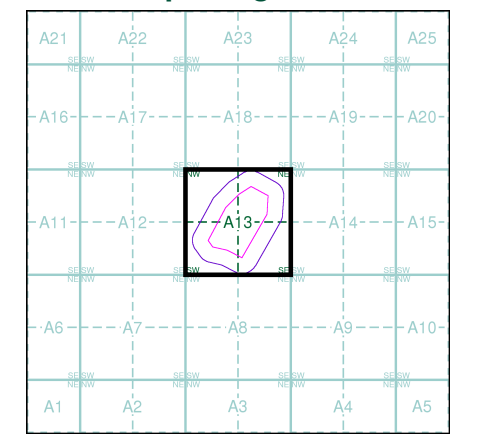
Source map scale - 1:2,500

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)

SD9518
1963
1:2,500
SD9517
1963
1:2,500

Historical Map - Segment A13

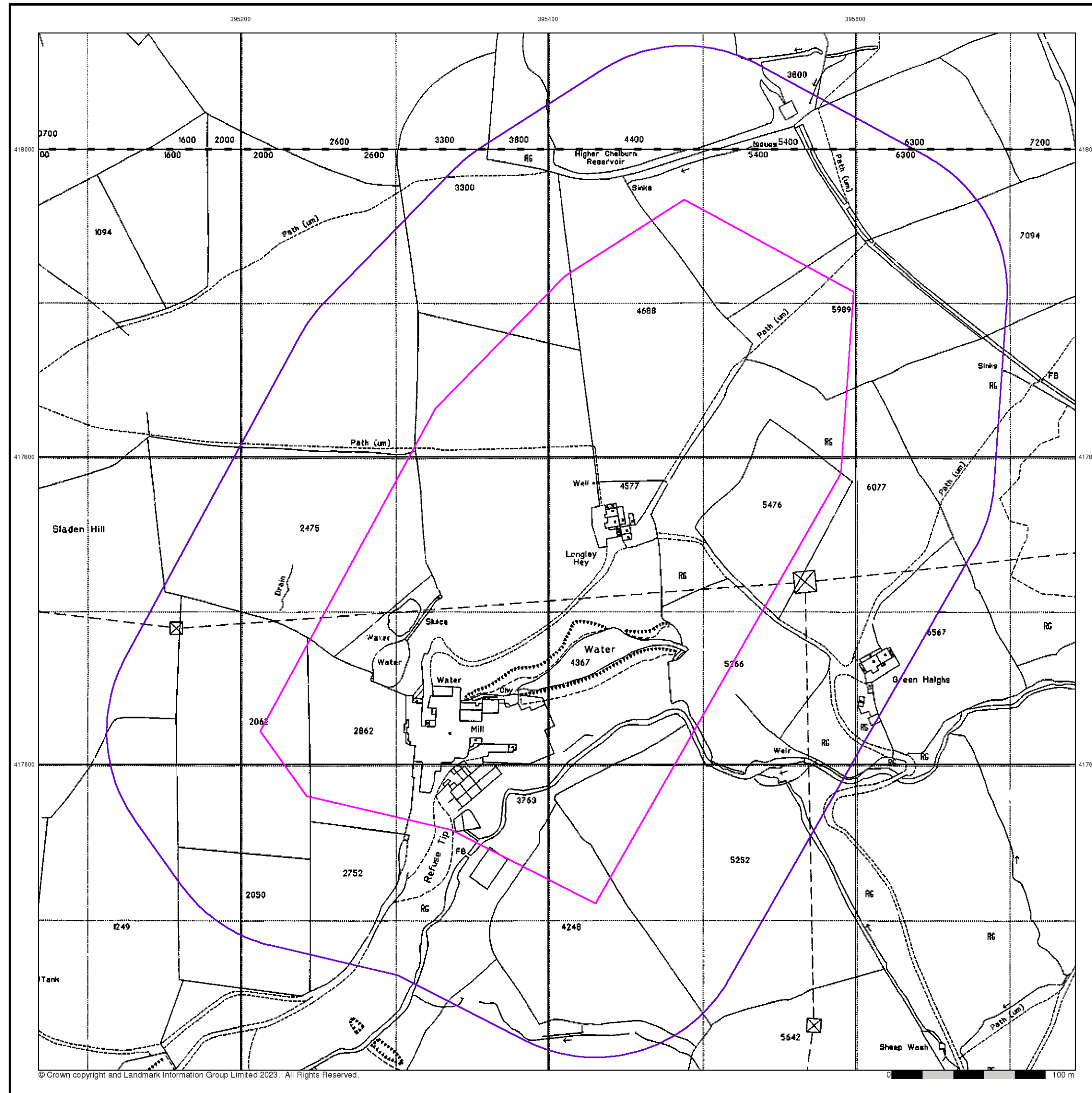


Order Details

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Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1992

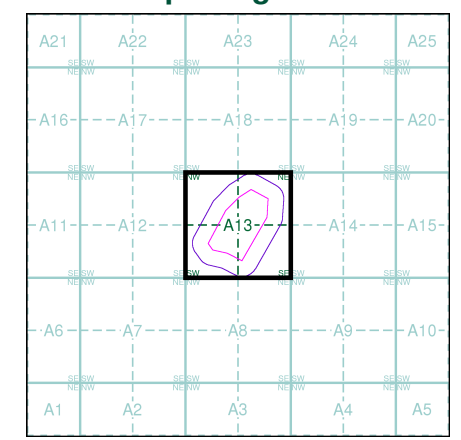
Source map scale - 1:2,500

'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)

SD9518	1992	1:2,500
SD9517	1992	1:2,500

Historical Map - Segment A13

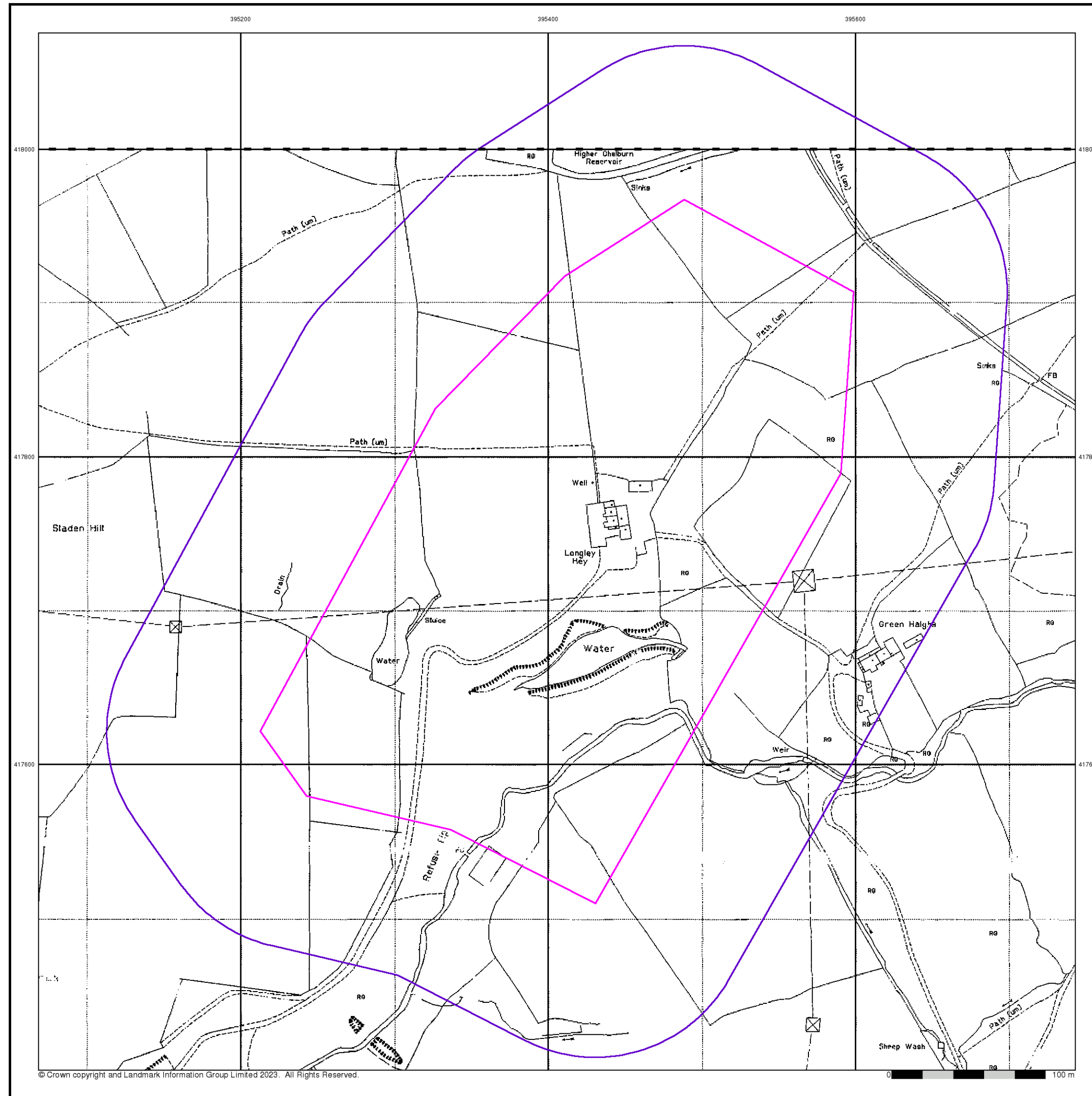


Order Details

Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
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Site Area (Ha): 10.06
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0 100 m

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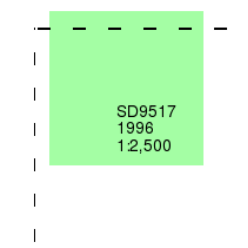
Large-Scale National Grid Data

Published 1996

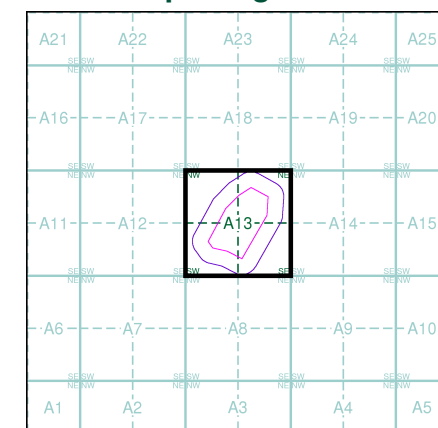
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

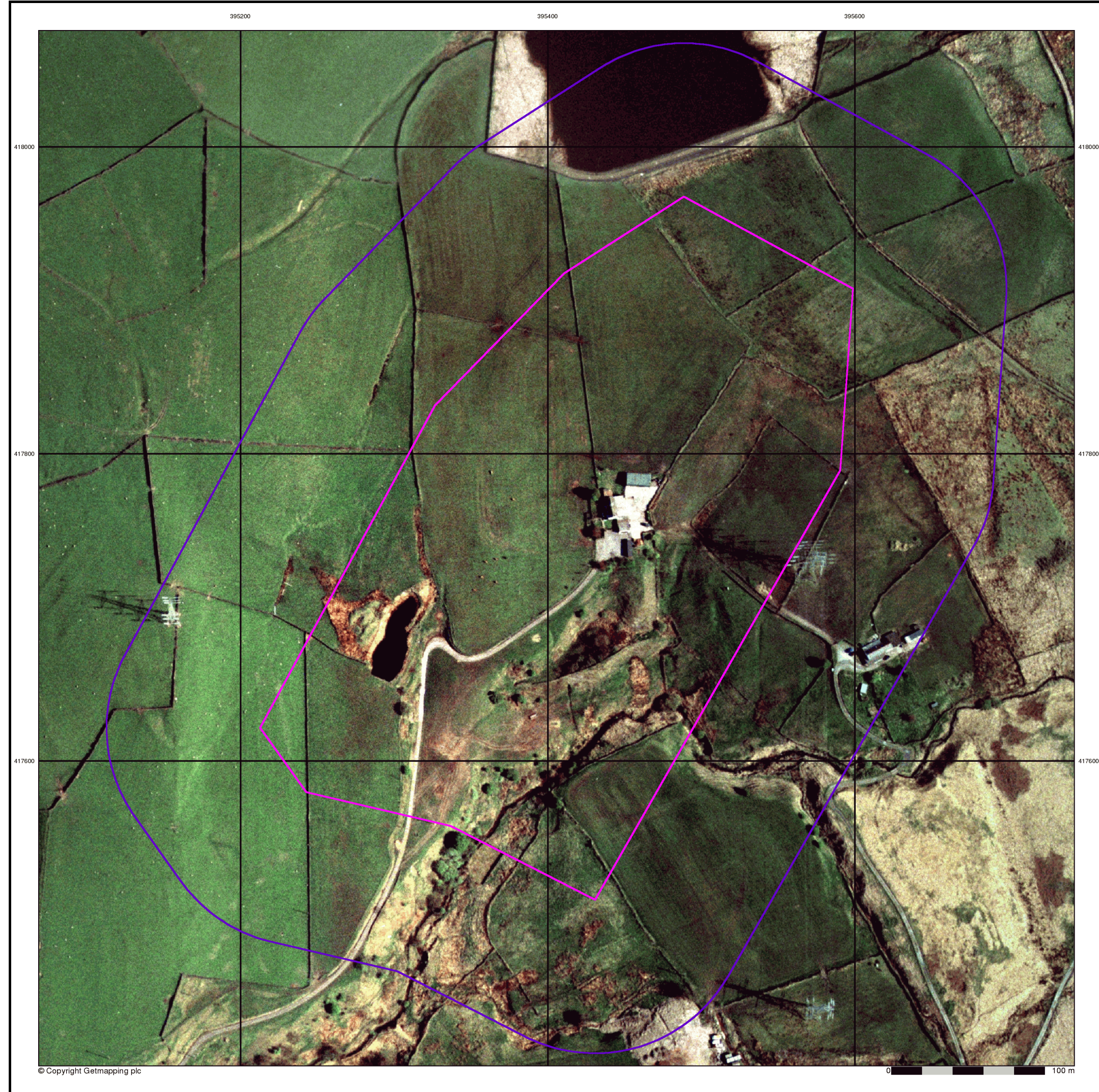
Order Number: 329558604_1_1
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Site at 395460, 417780

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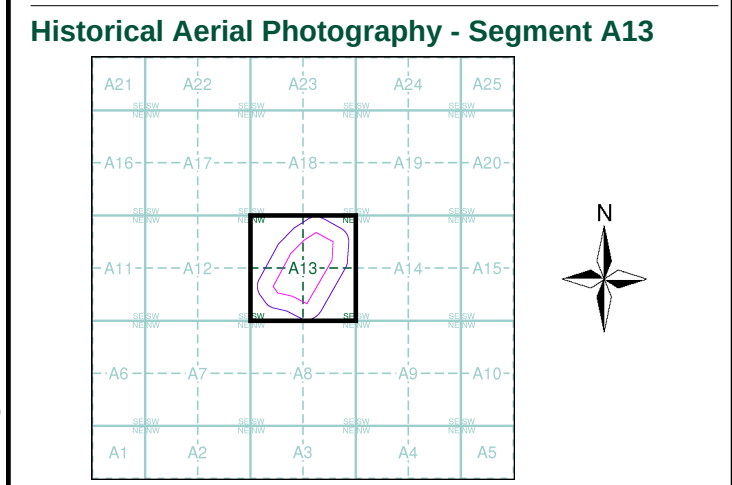
Tel: 0844 844 9952
Fax: 0844 844 9951
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Historical Aerial Photography

Published 2001

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



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APPENDIX 3

ENVIRONMENTAL REPORTS

Thank you for ordering your environmental report from Groundsure. Before you read your search results as normal we wanted to explain some recent improvements that have been made to your report. We want to let you know what **ClimateIndex™** is and what it is designed to do, so we've provided some explanation below as to why we have added climate data and the **ClimateIndex™** assessment into our reports.

What have we updated in ClimateIndex™

£525 billion worth of property could be written off due to climate change in the long term*. So now more than ever, it's important for property owners to be aware of the potential impact of climate change to their property.

In March 2023, we've made some updates to our **ClimateIndex™** based on feedback we've been collecting since our launch last year. In this update we have:

- Removed the 1 year milestone
- Removed our variance score, and replaced it with a low/moderate/high rating for individual perils
- Added guidance based on the individual perils flagged as part of the overall score

In November 2022, Groundsure released a [microsite](#) to provide further help and information in addition to the detailed guidance you will find on **page 10**. The [new site](#) features Stephen Tromans' KC opinion on a firm's duty of care regarding climate change, as well as [commercial clauses](#) that can be inserted directly into your documentation to fulfil that duty of care.

The Law Society's Planning and Environment Committee is now in the final stages of reviewing the development of a climate risk practice note alongside existing environmental notes. The inclusion of **ClimateIndex™** in this report enables solicitors to become compliance-ready for these future changes now.

* XD Analysis Report 2021

About ClimateIndex™

In this report we've added our new **ClimateIndex™** to the cover page (**page 2**), which shows a rating of the future climate risk of the property, for 5 years and 30 years.

On the cover page, past and current perils are flagged on the left-hand side, and the forward view of **ClimateIndex™** can be found on the right.

On **page 10** you can find a more detailed review of these calculations, including a breakdown of the different physical and transition risks and their relative impact on the property, and detailed guidance and next steps tailored to the property's rating and the perils that make up that rating. The physical and transition risks used in the calculation are flooding (undefended), natural ground stability and coastal erosion.

Help and feedback

If you need to speak to one of our climate experts please contact climate@groundsure.com. We have a survey that you can fill out about the **ClimateIndex™** feature [here](#).

We are currently recruiting for our Groundsure Customer Advisory Board. Members of the board get a unique opportunity to input into Groundsure's product direction, as well as exclusive insight into our product roadmap and work in progress.

If you'd like to take part, please let us know at feedback@groundsure.com.

LONGLEY HEY FARM, HALIFAX ROAD, LITTLEBOROUGH, OL15 0LB

Key results

- 
Contaminated land liability
Action Required page 12

- 
Flooding
High page 12

- 
Coal mining (CON29M)
Potential risk page 20

- 
Other mining (non-coal)
Further action page 26

For information

- 
Radon page 12

- 
Infrastructure page 40

- 
Ground stability page 33

- 
Planning constraints page 58

- 
Planning applications page 58

Groundsure IQ

Based on cost, effort or time associated with next steps to case progression

Avista Action Alert



Likely transaction delay

ClimateIndex™

ClimateIndex™ projects changes in physical and transition risks from:



Flooding



Ground stability



Coastal erosion

5 years



Severe risk predicted

30 years



Severe risk predicted

Please refer to page 10 for details and guidance

To save you time when assessing the report, we only provide maps and data tables of features we have identified to be of note.

You can view a full list of the information we have searched on **page 71**.

Site Plan



Useful contacts

Rochdale Metropolitan Borough Council:
<http://www.rochdale.gov.uk/>
council@rochdale.gov.uk
01706 647 474

Environment Agency National Customer
Contact Centre (NCCC):
enquiries@environment-agency.gov.uk
03708 506 506

Avista Action Alert

5

Key results

These are findings that should be acknowledged and potentially addressed before completion of the transaction, and relate to identified risks that may have liability implications, affect insurance premiums, property values and/or a lender's willingness to lend.



Contaminated Land

The property is assessed to have potentially significant contamination risks due to the presence of the following potentially contaminative historical land uses:

1. Unspecified tanks on site between 1891 and 1949,
2. Unspecified mill on site between 1892 and 1979, identified as a fulling and dyeing mill in 1911.

Furthermore, one or a number of landfill sites were identified by this report. Landfill sites pose a risk to residential properties as some landfill sites can produce gas and leachate (a toxic liquid), which can move through soils, service conduits and some types of rock strata. Furthermore, if a landfill is located directly



beneath a property, structural and subsidence problems can become apparent if such issues were not taken into consideration during site design and construction.

These sites are detailed as follows:

3. A historical landfill has been identified on site, noted to have accepted inert and industrial waste between 1988 and 2004,
4. Refuse tip has been identified on site between 1961 and 1966. This has been identified from historical Ordnance Survey mapping,
5. A recently active landfill has been identified on site. The site is noted to have held an Environmental Permit for accepting Non- Biodegradable waste.

Next steps for consideration:

- if the property was built after 1999, you can find out if its NHBC Buildmark Certificate includes contaminated land cover by emailing a copy of the NHBC certificate to info@groundsure.com, quoting your report reference. If so, our experts will review your report free of charge and, if appropriate, revise to a pass free of charge
- investigate the insurance on offer for the property to ensure any implications on premiums are fully understood before completion
- if the property was built after 1985, consider contacting the planning department of the relevant Local Authority to clarify any conditions placed in the original planning consent documentation regarding investigation/remediation (cleaning) of contamination on the site. Evidence that these conditions were complied with will also need to be obtained. Our experts will review any such conditions identified and if appropriate revise to a pass free of charge
- consider contacting the Contaminated Land Officer within the Environmental Health Department of the relevant Local Authority to ask about the previous land use of the area (as specified above), written details confirming whether the land has been designated 'Contaminated Land' (as defined under Part 2A of EPA 1990), and if the Local Authority plans to take any further action. If the Local Authority are considering further action the level of priority assigned to this site and timescale of potential investigation will also be required.
- if speed is a priority, or other methods have failed, insurance might be the best option. However, at this stage it may be expensive, and it is not always possible to get suitable insurance. Numerous companies offer environmental insurance. If you are considering this option you can get in touch with Groundsure who will be happy to provide further details



Flooding

Flooding

An elevated level of flood risk has been identified at the property.



Next steps for consideration:

- check to see if the property is eligible for the Flood Re scheme, which enables many properties at risk of flooding to be insured at reasonable rates: <http://www.floodre.co.uk/homeowner/about-us/>
- investigate the insurance on offer for the property to ensure any implications on premiums are fully understood before completion
- the assessment in this report is based on the highest flood risk found within the site boundary. The detailed maps within the flood section clearly highlight which parts of the site are affected by flooding, allowing you to visualise whether flood risk affects the buildings or the associated land. If you would prefer an assessment that provides separate flood ratings for the main dwelling and the associated land, Groundsure can provide this for a fee of £35 plus VAT
- if the property has recently been constructed, the flood risk assessment contained within this report will not take into account any measures put in place by the developer to deal with flooding. You should seek further information from the developer on flood risk mitigation for the site
- investigate the various forms of flood resistance and resilience measures that will help protect your property in the event of a flood



Coal mining

We consider there to be a potential risk to the property from past coal mining activity. For further details refer to: Past underground coal mining, Shafts and adits (mine entries).

Shafts and adits (mine entries)

One or more mine entries are recorded to lie within the boundary of the property.

Next steps for consideration:

- Site investigation works may be undertaken to prove the location and condition of any shafts. Subsequent securing works may then be recommended. These works should be undertaken by a suitably qualified and experienced person, with appropriate licensing from the Coal Authority.
- No further remote searches would be of value. Please read on for details on Coal Authority responsibilities in the event of subsidence issues relating to this mine entry, and also refer to the Shafts and adits (mine entries) section on **page 23** for further details.

In the event of damage resulting from the subsidence or settlement of this mine entry, property owners can make a claim against the mine owner or responsible person (usually The Coal Authority) under the provisions of the Coal Mining Subsidence Act 1991. The mine owner or responsible person will treat the mine entry and arrange for repairs to the property to be carried out to the reasonable satisfaction of the owner.



Past underground coal mining

Potential risk due to past underground coal mining has been identified within the boundary of the property. Whilst no further searches are required, it should be noted that in the event of coal mining settlement or subsidence occurring the property will benefit from the protection of the Coal Mining Subsidence Acts of 1991 and as amended 1994.

Next steps for consideration:

- A visual inspection of the property by a suitably qualified and experienced person may be of value in identifying any currently identifiable mining related settlement or subsidence effects.

Coal Mining Subsidence Act 1991

If any coal mining subsidence damage has occurred, as determined by the appropriate persons/bodies, the property will benefit from the protection of the Coal Mining Subsidence Acts of 1991 and as amended 1994.

This Act, however, does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester. In this instance it would be prudent to have the property visually inspected for signs of mining related settlement or subsidence by a suitably qualified and experienced person, who could be sought through <https://www.ricsfirms.com/>.

The Coal Authority provide a call out service on 01623 646 333 to take remedial action concerning the movement or collapse of any coal entries or coal mining surface hazards. Further details can be found on www.groundstability.com.

CON29M reports are a requirement for conveyancing and are recommended throughout the official Coal Mining Reporting Area. This is the area within which it is deemed prudent to clarify the risk presented by coal mining, using the questions laid out in the Law Society's CON29M form. The need for a CON29M does not always translate to an identification of risk, and reports will often be assessed as free from risk or 'Passed' even though they are within the official Coal Mining Reporting Area.

Development risk

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

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

Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.





Non-coal mining

We consider there to be a non-coal mining-related risk to the property. Please refer to the assessment of mining experts Groundsure below for further details.

Mining types: Stone, Unspecified

Past mining activity

A former quarry is recorded to lie within the property. We have not confirmed the full lateral and vertical extent of the quarry and the nature of in-fill. In-fill or remnant quarry faces may be a potential settlement or subsidence risk.

Current and future mining

According to our archive the property does not presently lie within an area with planning permission for non-coal mineral development. We are not aware of any planned future mining activity.

Next steps for consideration:

- Groundsure recommends that further action is carried out. This may take the form of a site walkover carried out by a suitably qualified and experienced person.
- This should be carried out by a suitably qualified and experienced person, who could be sought through <https://www.ricsfirms.com>.

For information

These are findings to be aware of that do not necessarily require immediate action.



Radon

The property is in an area where elevated radon levels are expected to be found in 5-10% of properties.



Next steps for consideration:

- if the property is a new build, you can check compliance on radon protection with the developer
- if you are buying a currently occupied property, ask the present owner whether radon levels have been measured and, if so, whether the results were above the radon Action Level. If they were, ask what remedial measures were installed, were radon levels re-tested and did the re-testing confirm the measures have been effective
- if testing has not been carried out, it would be a sensible precaution to arrange for the property to be tested with radon detectors. If initial short-term radon screening tests are inconclusive, or the purchaser would prefer to carry out a full three-month test, it may be possible to arrange a 'radon bond'
- high levels of radon can be reduced through carrying out remedial works to the property
- basic radon protection measures will be required to be installed in the event that any new buildings or extensions are added to the property
- all basement and cellar areas are considered at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of radon Affected Area status
- see <http://www.radonassociation.co.uk/guide-to-radon/information-for-house-buyers-and-sellers/> for further information



Ground stability

The property is indicated to lie within an area that could be affected by infilled land.

The property is indicated to lie within an area that could be affected by natural instability.

Next steps for consideration:

- if a survey has been undertaken at the property that considers ground instability and no issues were found, no further action is required
- however, based on the findings of this report, the purchaser should be encouraged to consider potential instability in any future development or alteration of the ground including planting and removing trees, and regardless of the survey outcome
- if no survey has yet been undertaken, we recommend one is carried out by a suitably qualified and experienced person
- if ground instability issues have been or are subsequently identified in a survey we recommend following any advice given in the survey findings
- if the property is in an area at risk of shrink-swell subsidence and has clay drainage pipes, consideration should be given to replacing these with a modern equivalent
- if a residential property, check whether it benefits from an NHBC guarantee or other builder warranty that often covers structural issues. Please note the presence of an NHBC guarantee wouldn't change the risk assessment of this report.





Energy

Wind

Existing or proposed wind installations have been identified within 10km.

Next steps for consideration:

- use the details given in the report to find out more about the potential impacts on the property
- contact the operating company and the relevant Local Authority for further information
- visit the area in order to more accurately assess the impact this wind development would have on the property

Electricity transmission lines

Electricity transmission lines have been identified within 50m.

Next steps for consideration:

- ensure the presence of overhead power lines and pylons near the property is considered before the transaction completes
- further information on electromagnetic fields from power lines can be found at <http://www.emfs.info>



Planning constraints

Environmental designations

The property lies within 50m of an environmentally protected site or area.

Next steps for consideration:

- seek further guidance from the local planning department on any likely restrictions if considering any property development



ClimateIndex™ physical and transition risks - Breakdown



Our ClimateIndex™ provides a climate score for your property, and projects changes in physical and transition risks from flooding (undefended), natural ground instability and coastal erosion. Climate change could have a significant medium to longer term impact on your property, which may be increasingly considered by your lender if you are arranging a mortgage. ClimateIndex™ provides ratings that indicate potential **physical risks** (loss and damage to property) and how these give rise to **transition risks** such as having a material impact on the ability to insure or mortgage the property in the medium to long term. In turn, this could affect the future resale value of the property.

You can see how these relate to the individual calculated risks in the breakdown below. The letter ratings should be used in conjunction with the change variance over the two time periods. Where an increase has been recorded we recommend following the additional advice below.

5 years



30 years



ClimateIndex™

Severe risk predicted

Severe risk predicted

These ratings provide an overall illustration of the individual peril breakdowns below. For example, you may have three individual perils that have been flagged as presenting a moderate or high risk, and collectively they could generate a C rating due to the combined severity of risks present on the property site.

Surface water flooding

High

High

River flooding - undefended

High

High

Coastal flooding - undefended

Negligible

Negligible

Ground instability

Negligible

Negligible

Coastal erosion - defended

Negligible

Negligible

Coastal erosion - undefended

Negligible

Negligible

Coastal erosion - complex cliffs

Negligible

Negligible



In 30 years time your property has a ClimateIndex™ rating of F: There are physical risks that could affect the property either now or in the future. The availability of insurance or a mortgage in the coming years could be significantly affected. In turn, this may impact upon the property's resale value. Projections may show that the property could also become uninhabitable in a worse case scenario.

Climate change is likely to increase the risk of flooding on this property over time. To best protect the property, and your investment, against this risk we recommend the following:

- Investigate the insurance on offer for the property to ensure any implications on premiums are fully understood before completion, and take into consideration that premiums could be impacted in the future if the risk increases due to climate change;
- Check to see if the property is eligible for the [Flood Re](#) scheme. Please note this scheme is due to end in 2039 and owners may be required to invest in improving flood resiliency of the property in order to obtain affordable insurance. Your insurance provider may be able to provide further information;
- Sign up for [flood warnings](#) provided by the government;
- Look into the various forms of flood [resistance](#) and [resilience](#) measures that will help protect your property in the event of a flood.

See **page 65** for further details.

Environmental summary



Environmental searches are designed to ensure that significant hazards and risks associated with this property are identified and considered alongside the investment in or purchase of a property.

Please see the Avista Action Alert on **page 3** for further advice.



Contaminated Land

Our Contaminated Land searches have found some potentially significant contamination risks. These could include risks relating to industrial processes, petrol stations, or landfill.

Please see **page 13** for details of the identified issues and **page 71** for our assessment methodology.

Contaminated Land Liability	Action Required
Past Land Use	Identified
Waste and Landfill	Identified
Current and Recent Industrial	Passed



Flooding

The property and area within the site outline is at risk from one or more kinds of flooding. Property's overall risk assessment for past flooding and river, coastal, surface water and groundwater flooding is high.

Please see **page 18** for details of the identified issues.

River and Coastal Flooding	Very Low
Groundwater Flooding	Low
Surface Water Flooding	Highly Significant
Past Flooding	Not identified
Flood Storage Areas	Not identified

FloodScore™ insurance rating

Very High

The rating is compiled by Ambiental, a leading flood risk analysis company. Please see **page 71**



Radon

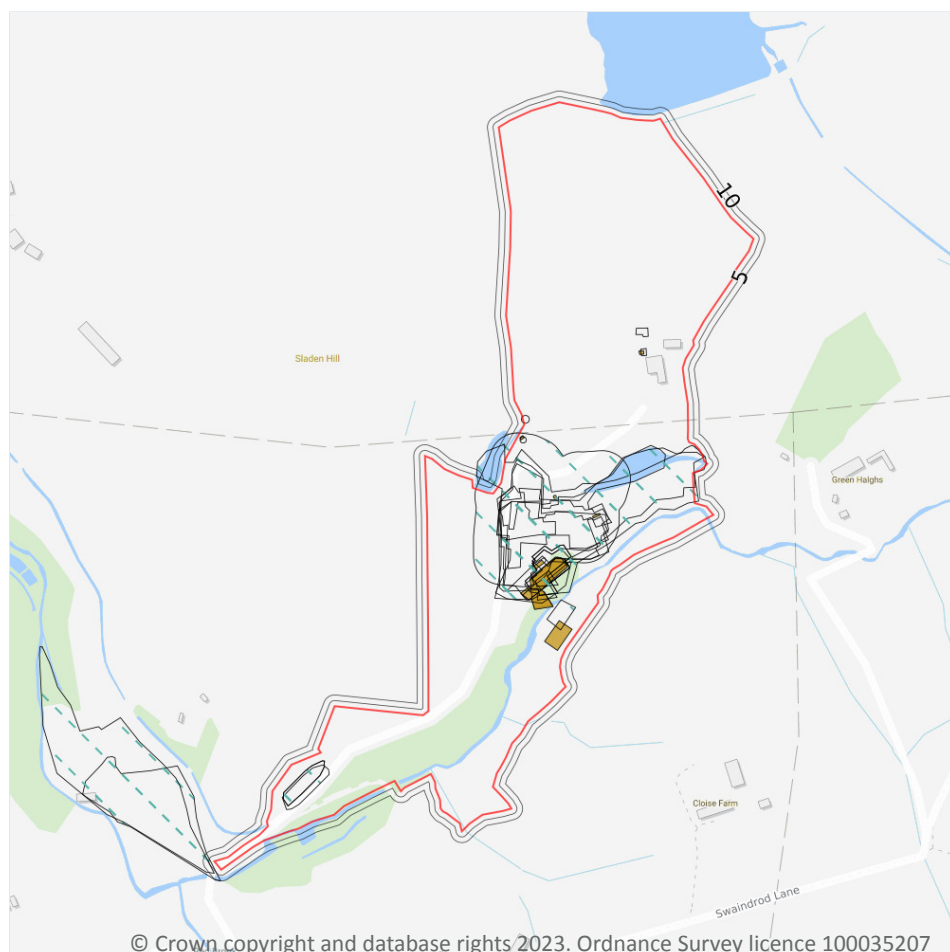
The property is in a radon affected area. This could mean that inhabitants are at risk from the harmful effects of radon. The percentage of homes estimated to be affected by radon in your local area is between 5% and 10%.

Please see **page 19** for details of the identified issues.

In a radon affected area



Contaminated land / Past land use



- Site Outline
- Search buffers in metres (m)
- Former industrial land uses
- Former tanks

Former industrial land use (1:10,560 and 1:10,000 scale)

These historical land uses have been identified from 1:10,560 and 1:10,000 scale Ordnance Survey maps dated from the mid to late 1800s to recent times. They have the potential to have caused ground contamination. Please see the Environmental Summary to find out how these could impact the site.

Please see the Avista Action Alert on **page 3** for further advice.

Distance	Direction	Use	Date
0	on site	Fulling Mill	1851
0	on site	Unspecified Mill	1892
0	on site	Filter Tanks	1909
0	on site	Unspecified Mill	1909
0	on site	Filter Tanks	1911



Distance	Direction	Use	Date
0	on site	Refuse Heap	1911
0	on site	Fulling and Dyeing Mill	1911
0	on site	Filter Tanks	1911
0	on site	Fulling and Dyeing Mill	1911
0	on site	Refuse Heap	1911
0	on site	Filter Tanks	1911
0	on site	Refuse Heap	1911
0	on site	Filter Tanks	1931
0	on site	Unspecified Tank	1931
0	on site	Unspecified Tank	1931
0	on site	Unspecified Mill	1931
0	on site	Unspecified Tank	1949
0	on site	Unspecified Mill	1949
0	on site	Unspecified Tank	1949
0	on site	Filter Tanks	1949
0	on site	Filter Tanks	1949
0	on site	Unspecified Mill	1979
3 m	SW	Unspecified Mill	1892
5 m	SW	Woollen Mill	1911

This data is sourced from Ordnance Survey/Groundsure.

Former tanks

These tanks have been identified from high detailed historical Ordnance Survey maps dating from the mid-late 1800s to recent times. Tanks like this can sometimes store harmful waste, chemicals or oil, as well as more benign substances. Liquids stored in these tanks can leak when the tanks rust or become damaged over time, which could have caused contamination at this site.

Please see the Avista Action Alert on **page 3** for further advice.

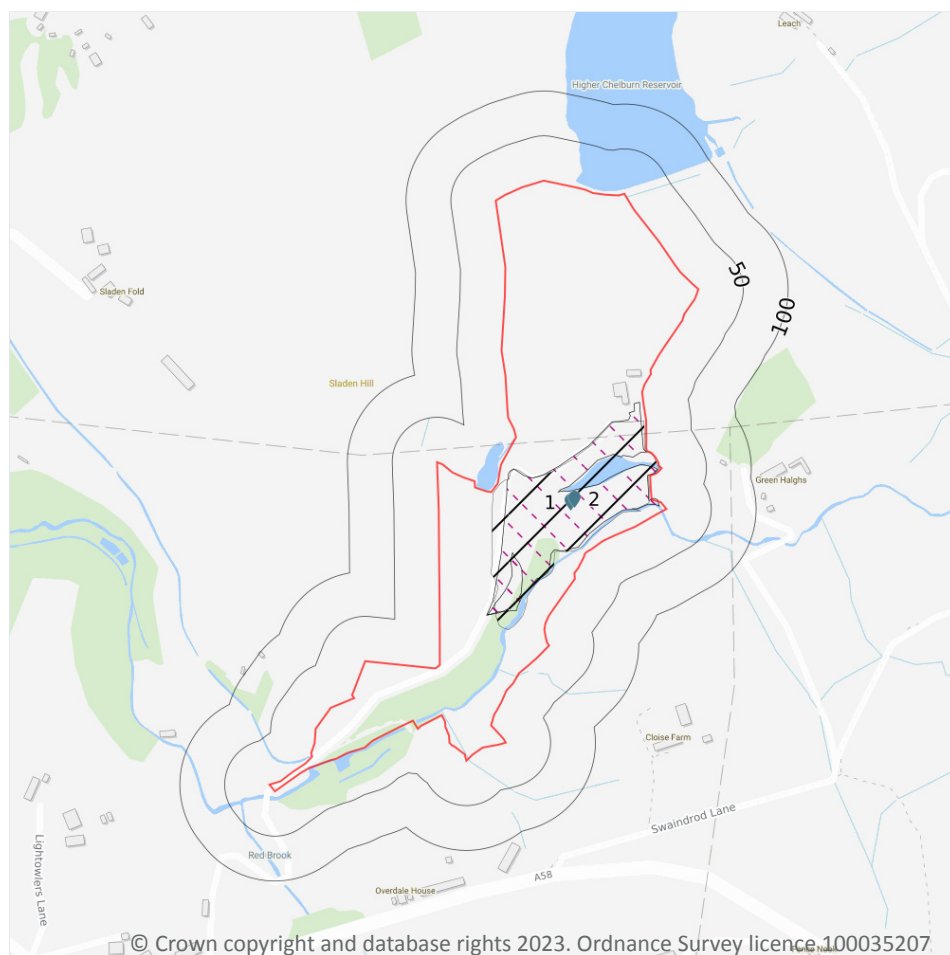
Distance	Direction	Use	Date
0	on site	Unspecified Tank	1891
0	on site	Unspecified Tank	1891



Distance	Direction	Use	Date
0	on site	Filter Tanks	1910
0	on site	Tanks	1930
0	on site	Filter Tanks	1930
0	on site	Filter Tank	1930
0	on site	Unspecified Tank	1930
0	on site	Unspecified Tank	1930

This data is sourced from Ordnance Survey/Groundsure.

Contaminated land / Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Former Landfill (EA records)
- Landfill sites (Groundsure records)
- Active or recent licensed waste sites

Former landfill (from Local Authority and historical mapping records)

These are records of former areas of landfill. These areas of land may have been redeveloped for other uses since the landfill closed. Depending on the nature of the waste these landfill sites accepted, they may still pose a risk of contamination (including from landfill gases). Former landfill sites can also cause issues with ground instability.

Please see the Avista Action Alert on **page 3** for further advice.

Distance	Direction	Site Address	Source	Data Type
0	on site	Refuse Tip	1996 mapping	Polygon
0	on site	Refuse Tip	1961 mapping	Polygon

This data is sourced from Ordnance Survey/Groundsure/Local Authorities.

Former landfill (from Environment Agency Records)

These are records of former areas of landfill. These areas of land may have been redeveloped for other uses since the landfill closed. Depending on the nature of the waste these landfill sites accepted, they may still pose a risk of contamination (including from landfill gases). Former landfill sites can also cause issues with ground instability.

Please see the Avista Action Alert on **page 3** for further advice.

Distance	Direction	Details		
0	on site	Site Address: Wellfield Mill Site, Longley Hey Farm, Halifax Road, Littleborough, Rochdale, Greater Manchester Waste Licence: Yes Site Reference: 4200/9241 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: NR1/L/PHU001	Licence Issue: 01/06/1988 Licence Surrendered: 20/09/2004 Licence Holder Address: Longley Hey Farm, Littleborough	First Input: - Last Input: - Control Measures: -

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

Active or recent licensed waste sites

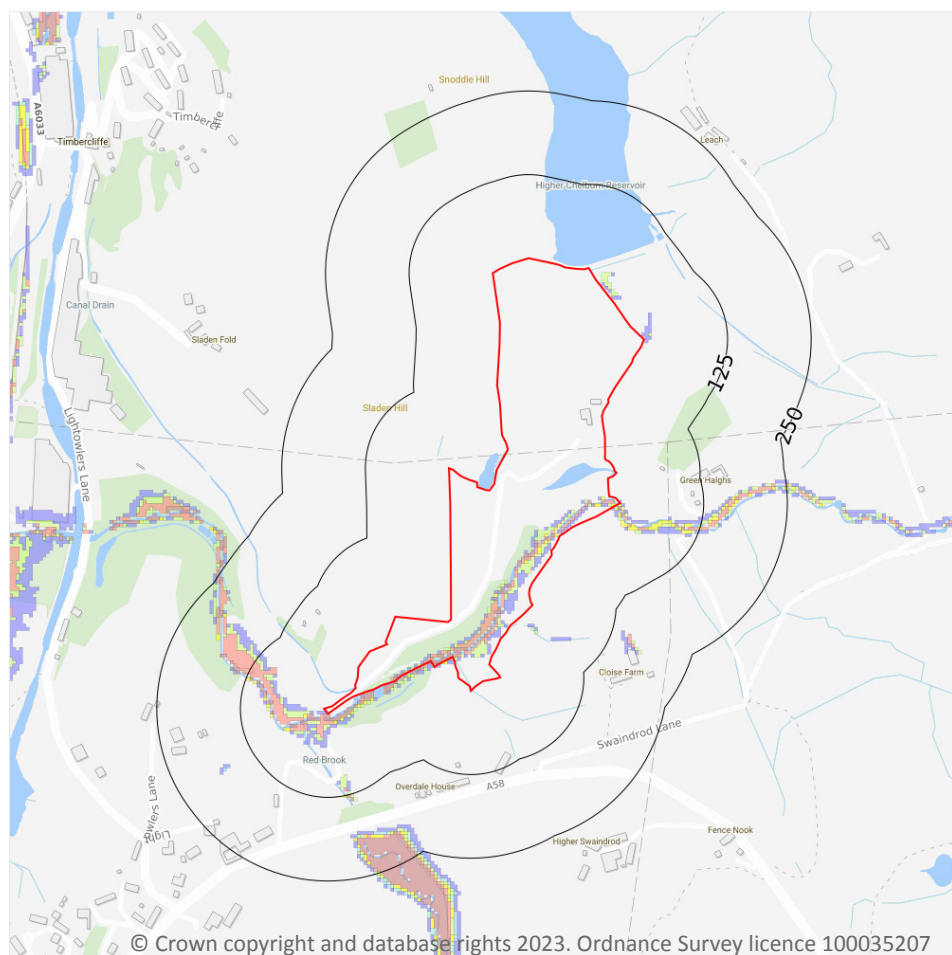
These are records of waste sites that are operated under licence. Waste operations require an environmental permit (from Environment Agency or Natural Resources Wales) if the business uses, recycles, treats, stores or disposes of waste or mining waste. The permit can be for activities at one site or for a mobile plant used at many sites. Depending on the nature of waste being accepted by these facilities, there could be risk of ground contamination. Some waste sites can also cause nuisance problems due to noise, dust and odour.

Please see the Avista Action Alert on **page 3** for further advice.

ID	Distance	Direction	Address	Type	Size	Status
1	0	on site	Halifax Road, Littleborough, Lancashire, OL15 0LB	Landfill taking Non-Biodegradable Wastes	Small	Surrendered
2	0	on site	Halifax Road, Littleborough, Lancashire, OL15 0LB	Landfill taking Non-Biodegradable Wastes	Large	Surrendered

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

Flooding / Surface water flood risk



- Site Outline**
- Search buffers in metres (m)
- Surface water flood risk**
- Highly significant
 - Significant
 - High
 - Moderate to high
 - Moderate
 - Low to moderate
 - Low

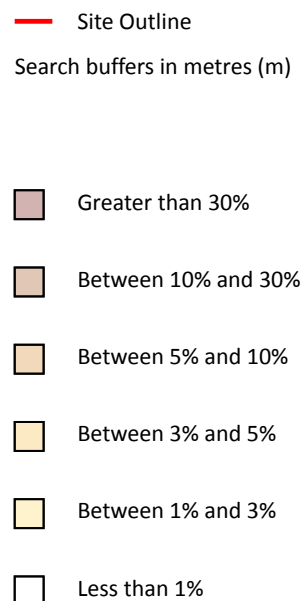
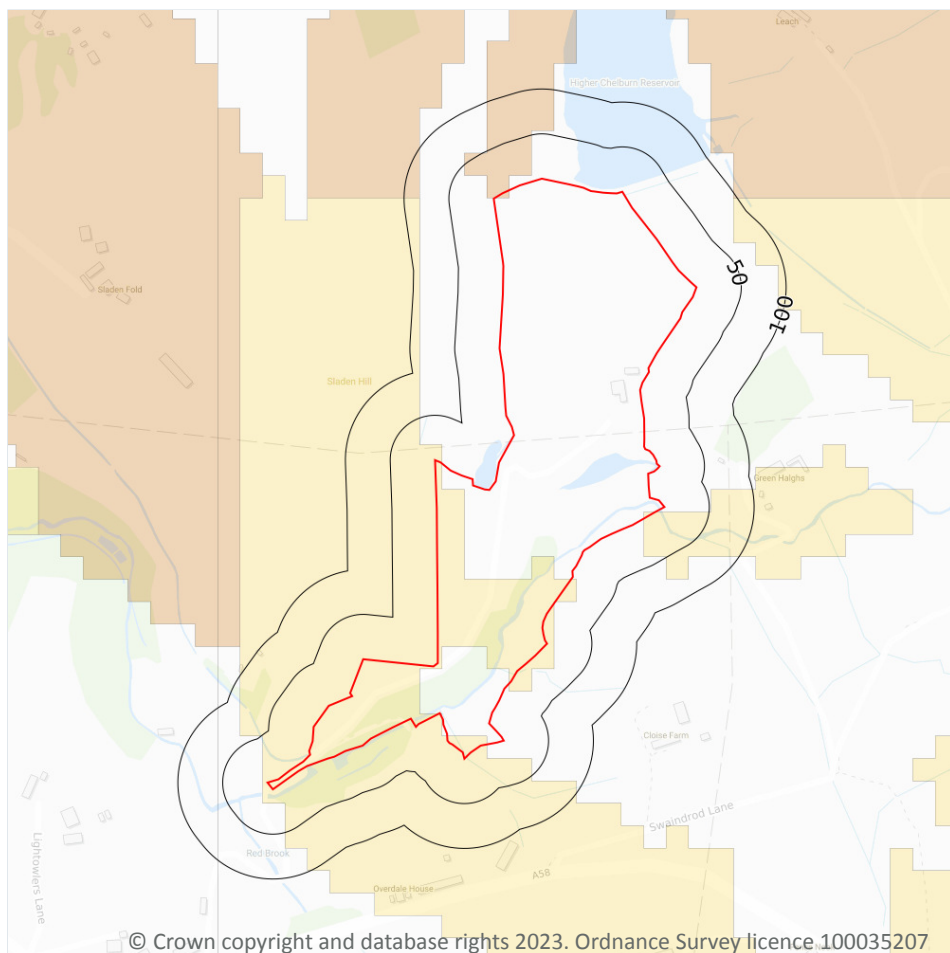
Surface water flood risk

The property is likely to be prone to flooding following extreme rainfall, which may have an impact on insuring the property against flood risk. However, if built before 2009, it may be eligible for insurance assistance from the Flood Re scheme: <http://www.floodre.co.uk/>

The area in which the property is located has been assessed to be at a Highly Significant risk of surface water flooding. This area is considered to have a 1 in 30 probability of surface water flooding due to rainfall in a given year to a depth of greater than 1m. However, as is the case with probability statistics and predictions, this information should be used as a guideline only. The area may flood several years in a row, or not at all for many years. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

These risk calculations are based on Ambiantal Risk Analytics maps.

Radon



The property is in a radon affected area, meaning there is an increased risk that properties will contain elevated levels of radon.

In order to determine if there is a problem at your property, a radon measurement in the building must be taken. Access to a testing service and further information on radon is available from UK Health Security Agency (UKHSA) or www.ukradon.org.

Radon is a colourless, odourless radioactive gas present in all areas of the United Kingdom, usually at levels that pose a negligible risk. However, the property is situated in an area where levels of radon can be much higher and pose a health risk. High levels of radon can cause lung cancer, particularly for smokers and ex-smokers. The higher the level and the longer the period of exposure, the greater the risk.

Please see the Avista Action Alert on **page 3** for further advice.

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



Coal mining (CON29M) summary



Coal mining (CON29M) summary

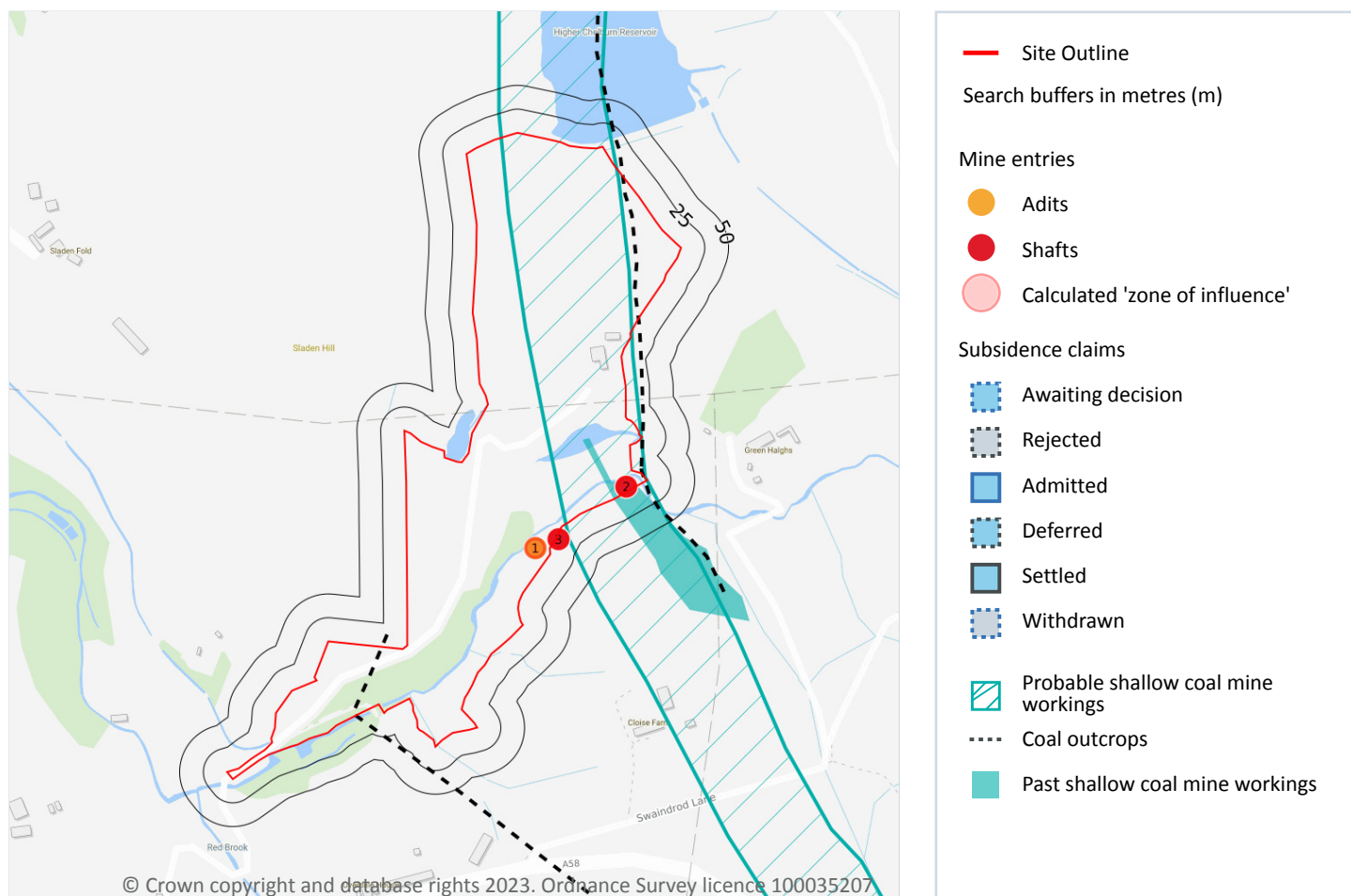
Features of concern have been identified relating to past, present or future coal mining. The risk posed by coal mining has been assessed using official Coal Authority data and in accordance with The Law Society CON29M (2018) Guidance Notes. Additional interpretation of mine entries has also been carried out where necessary.

See **page 21** for further details and **page 5** for recommended next steps.

1. Past underground	Identified
2. Present underground	Not identified
3. Future underground	Not identified
4. Shafts and adits	Identified
5. Coal mining geology	Not identified
6. Past opencast	Not identified
7. Present opencast	Not identified
8. Future opencast	Not identified
9. Subsidence claims	Not identified
10. Mine gas emissions	Not identified
11. Emergency Call Out	Not identified



Coal mining (CON29M)



Coal mining (CON29M)

The map above shows relevant, mappable hazards identified that could constitute a risk to the property. It does not necessarily show all features or potential issues identified in this report. Further details of any features shown indicating the location of Mine Entries or Subsidence Claims can be found in the relevant sections of this report (4 and 9 respectively).

Responses to the Law Society CON29M Coal Mining search enquiries are produced using official Coal Authority data and the expert interpretation of Groundsure. This report is prepared in accordance with The Law Society CON29M (2018) Guidance Notes. Additional interpretation and calculation of mine entry zones of influence has also been carried out by Groundsure using Coal Authority and British Geological Survey data.

Please read this report carefully, and in particular any sections flagged with an amber 'i'.



The Law Society

These enquiries are The Law Society CON29M (2018) Coal Mining search enquiries and are used with permission of The Law Society. The Law Society CON29M Coal Mining search enquiries are protected by copyright owned by The Law Society of 113 Chancery Lane, London WC2A 1PL. The Law Society has no responsibility for information provided in response to CON29M (2018) Coal Mining search enquiries within this report or otherwise.

1. Past underground coal mining



Is the property within the zone of likely physical influence on the surface of past underground coal workings?

- The property lies within the potential zone of influence of recorded workings in 1 seam(s) of coal. The most recent underground working in the area was in 1880. Workings lie between a shallow depth and 45 metres below surface.
- The property is indicated to lie in an area where coal deposits have been worked at shallow depth in the past but for which no plan exists.
- A coal outcrop is recorded to pass through the property boundary. There is a possibility of unrecorded mining features associated with this coal outcrop within the property boundary.

2. Present underground coal mining



Is the property within the zone of likely physical influence on the surface of present underground coal workings?

- The property does not lie within the boundary of an underground site from which coal is being removed by underground methods.

3. Future underground coal mining



(a) Is the property within any geographical area for which the Coal Authority is determining whether to grant a licence to remove coal by underground methods?

- The property does not lie within the boundary of an underground site for which the Coal Authority is determining whether to grant a licence to remove coal by underground methods.

(b) Is the property within any geographical area for which a licence to remove coal by underground methods has been granted?



- The property does not lie within the boundary of an underground site for which a licence to remove coal by underground methods has been granted.

(c) Is the property within the zone of likely physical influence on the surface of planned future underground coal workings?

- The property does not lie within the zone of likely physical influence on the surface of planned future underground workings.

(d) Has any notice of proposals relating to underground coal mining operations been given under section 46 of the Coal Mining Subsidence Act 1991?

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

4. Shafts and adits (mine entries)



Are there any shafts and adits or other entries to underground coal mine workings within the property or within 20 metres of the boundary of the property?

- Coal mine entries are recorded to lie within 20 metres of the property.

ID	Distance	Details	Dimensions	Treatment
1	0	Type: Adit Mineral: Coal Reference: 395417-003 Name: LANCS Owner: CA	Assumed diameter (m): 3 Confirmed diameter (m): - Depth (m): - Accuracy (m): 8 Source: Ab plan 1242	Details: - Date: -
2	0	Type: Shaft Mineral: Coal Reference: 395417-001 Name: LANCS Owner: CA	Assumed diameter (m): 2.5 Confirmed diameter (m): - Depth (m): 2.7 Accuracy (m): 8 Source: Ab plan 1242	Details: - Date: -
3	3 m	Type: Shaft Mineral: Coal Reference: 395417-002 Name: LANCS Owner: CA	Assumed diameter (m): 2.5 Confirmed diameter (m): - Depth (m): - Accuracy (m): 8 Source: Ab plan 1242	Details: - Date: -

5. Coal mining geology



Is there any record of any fault or other line of weakness due to coal mining at the surface within the boundary of the property that has made the property unstable?

- No damage arising from geological faults or other lines of weakness activated by coal mining are recorded within the property.

6. Past opencast coal mining



Is the property situated within the geographical boundary of an opencast site from which coal has been removed in the past by opencast methods?

- The property does not lie within the boundary of an opencast site from which coal was removed by opencast methods.

7. Present opencast coal mining



Is the property within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods?

- The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining



(a) Is the property within 800 metres of the boundary of an opencast site for which the Coal Authority are determining whether to grant a licence to remove coal by opencast methods?

- The property does not lie within 800 metres of the boundary of an opencast site for which the Coal Authority are determining whether to grant a licence to remove coal by opencast methods.

(b) Is the property within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted?

- The property does not lie within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9. Coal mining subsidence claims



(a) Has any damage notice or claim for alleged coal mining subsidence damage to the property been given, made or pursued since 31st October 1994?

- We have no evidence of a damage notice or subsidence claim for the property or within 50m of the property since 31st October 1994.

(b) In respect of any such notice or claim has the responsible person given notice agreeing that there is a remedial obligation or otherwise accepted that a claim would lie against them?



- Not applicable.

(c) In respect of any such notice or acceptance has the remedial obligation or claim been discharged?

- Not applicable.

(d) Does any current "Stop Notice" delaying the start of remedial works or repairs affect the property?

- There are no current Stop Notices delaying the start of remedial works or repairs to the property.

(e) Has any request been made under Section 33 of the 1991 Act to execute preventive works before coal is worked, which would prevent the occurrence or reduce the extent of subsidence damage to any buildings, structures or works and, if yes, has any person withheld consent or failed to comply with any such request to execute preventive works?

- There is no record of a request that has been made to carry out preventive works before coal is worked under Section 33 of the Coal Mining Subsidence Act 1991.

NB. Records of damage notices or subsidence claims before 31st October 1994 are excluded from The Coal Authority data from which this search is compiled.

10. Mine gas emissions



Does the Coal Authority have record of any mine gas emission within the boundary of the property being reported that subsequently required action by the Authority to mitigate the effects of the mine gas emission?

- No mine gas emissions are recorded within the boundary of the property.

11. Emergency Surface Hazard Call Out incidents



Have the Coal Authority carried out any work on or within the boundaries of the property following a report of an alleged hazard related to coal mining under the Authority's Emergency Surface Hazard Call Out procedures?

- No Emergency Surface Hazard Call Out procedures are recorded against the property.

Non-coal mining summary



Mining records

Records relating to recorded mining areas or activity have been identified in the vicinity of the site.

See **page 27** for details. The Non-coal mining assessment on **page 7** will cover any next steps relating to these features, if applicable.

Mining features	Identified
Mine plans	Not identified
Researched mining	Not identified
BritPits	Identified
Mineral Planning Areas	Not identified
Non-coal mining areas	Not identified
Mining cavities	Not identified
Coal mining areas	Identified
Brine areas	Not identified
Gypsum areas	Not identified
Tin mining areas	Not identified



Historical features

Historical mapping has identified mining features in the vicinity of the site.

See **page 30** for details. The Non-coal mining assessment on **page 7** will cover any next steps relating to these features, if applicable.

Non-coal mining	Identified
Coal and associated mining	Not identified
Industry associated with mining	Identified



Geological features

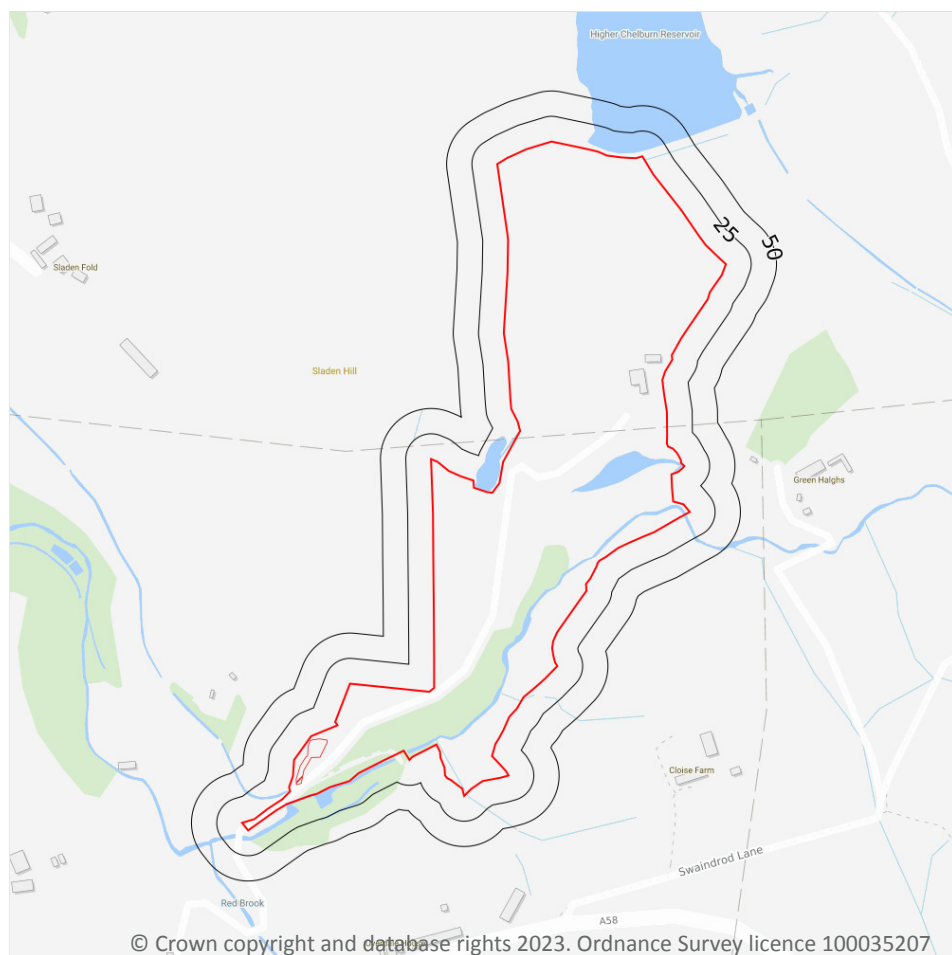
There are geological features that could indicate the presence of mining operations in the area or other sources of ground instability.

See **page 32** for details. The Non-coal mining assessment on **page 7** will cover any next steps relating to these features, if applicable.

Artificial and made ground	Identified
Mineral veins	Not identified



Non-coal mining / Mining features



- Site Outline
- Search buffers in metres (m)
- ⊕ Shaft
- Portal
- Surface Outcrop
- Undefined Elevation
- Surface working
- ▨ Tin streaming
- ▨ Quarry
- Aerial Photographic Anomaly
- Suspect enclosure
- ▨ Wasteland
- Pond
- Cutting
- Adit
- Tunnel
- Underground mining extent
- Reported subsidence
- Dump (mine waste tip)
- ▨ Secured feature
- Licence boundary

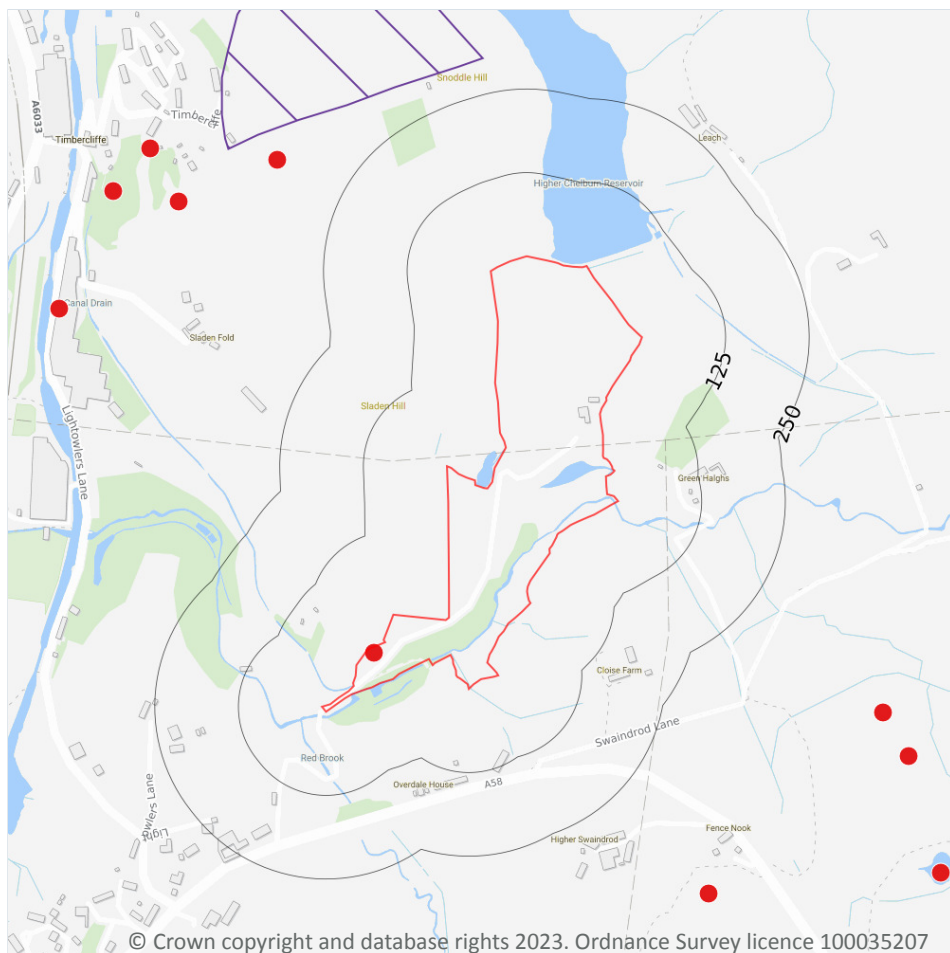
Surface workings

Surface workings identified from OS, BGS Geological mapping, Lidar data, and mine plans sourced from the BGS and various collections and sources.

Location	Feature	Mineral	Mining type
On site	Quarry	Sandstone	Stone

This data is sourced from Groundsure

Non-coal mining / Mining records



- Site Outline
- Search buffers in metres (m)
- BritPits
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

BritPits

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

Location	Details	Description
On site	Name: Hollow Field Quarry Address: Calderbrook, LITTLEBOROUGH, Lancashire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

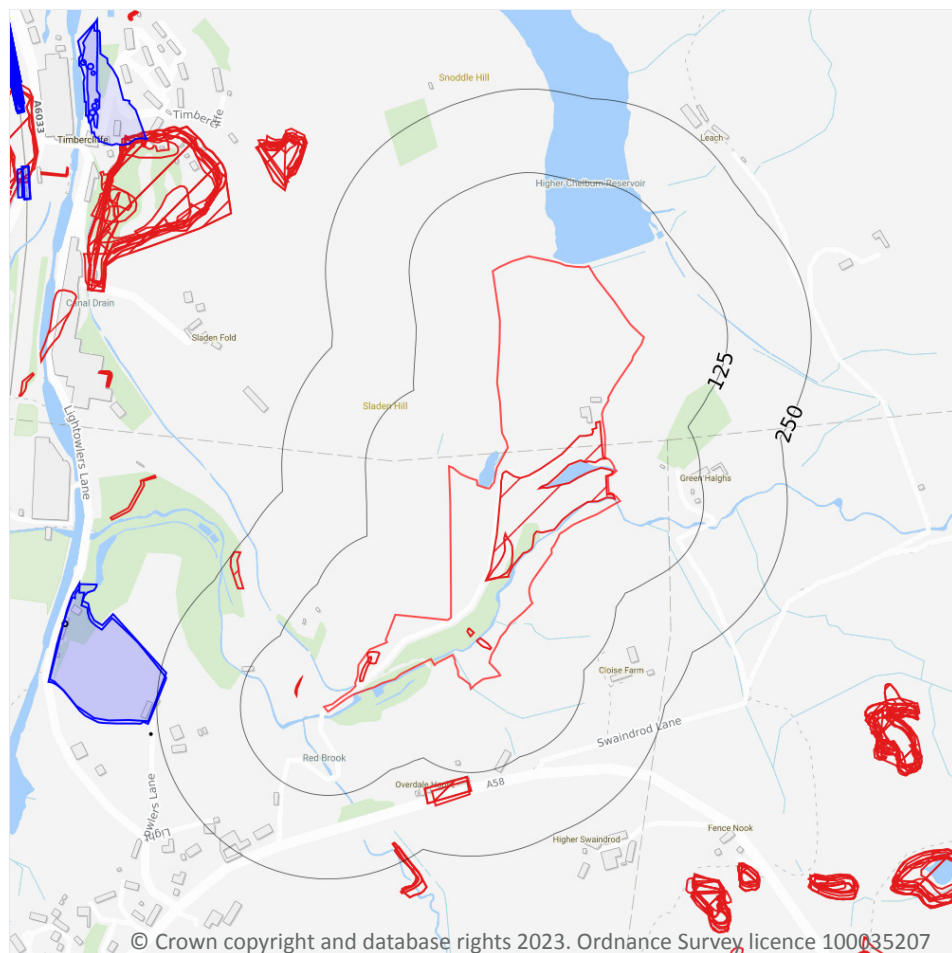
This data is sourced from the British Geological Survey.

Coal mining areas

The property is within a generalised area that could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

Non-coal mining / Historical features



- Site Outline
- Search buffers in metres (m)
- Non-coal mining
- Coal and associated mining
- Industry associated with mining

Non-coal mining

Historical land uses identified from Ordnance Survey mapping that involved mining for substances other than coal.

Location	Land use	Date
On site	Refuse Tip	1961
On site	Unspecified Pit	1996
On site	Unspecified Pit	1996
On site	Refuse Tip	1996
On site	Quarry	1891
On site	Sandstone Quarry	1851

Location	Land use	Date
44m SW	Refuse Tip	1961
132m S	Lime Field	1930
132m S	Lime Field	1909
137m S	Lime Field	1891
207m SW	Ground Workings and Heap	1930
220m S	Ground Workings	1928
220m S	Ground Workings	1910
227m S	Unspecified Ground Workings	1930
227m S	Unspecified Ground Workings	1909

This data is sourced from Groundsure.

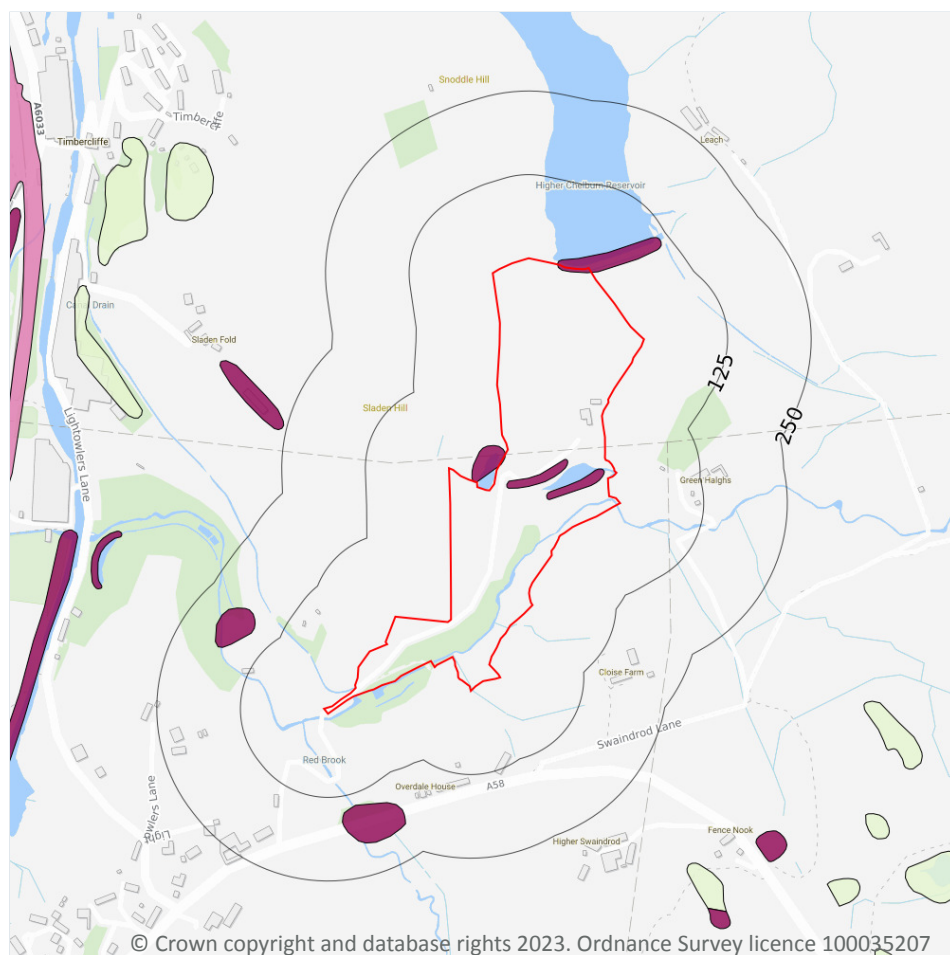
Industry associated with mining

Historical land uses identified from Ordnance Survey mapping that indicate the presence of industry which was often associated with mineral extraction. Extraction sites were often located in close proximity to these land uses.

Location	Land use	Date
240m SW	Unspecified Disused Works	1930
241m SW	Unspecified Disused Works	1949

This data is sourced from Groundsure.

Non-coal mining / Geological features 10k



- Site Outline
- Search buffers in metres (m)
- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground
- Mineral veins

Artificial and made ground (10k)

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

Location	LEX Code	Description	Rock description
On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.

Ground stability summary



Satellite monitoring

Satellite radar measurements have not detected any notable ground movement in the vicinity of the property.

SatSense Rating

Green

Ratings provided by SatSense Ltd, experts in analysis of InSAR ground movement data from satellite radar.



Natural instability

Searches of natural ground stability data have identified potential ground stability risks.

See **page 34** for details and **page 8** for recommended next steps.

Shrink-swell hazard

Natural ground subsidence

Landslides

Natural cavities

Coastal erosion

Non-Plastic

Moderate

Identified

Not identified

Not identified



Infilled land

Areas of infilled land or landfill have been identified in the vicinity of the site.

See **page 36** for details and **page 8** for recommended next steps.

Infilled land

Historical landfill sites

Identified

Identified



Sinkholes

No records of sinkholes have been identified in the vicinity of the property.

Reported recent incidents

Recorded incidents (BGS)

Recorded incidents (Stantec)

Historical incidents

Not identified

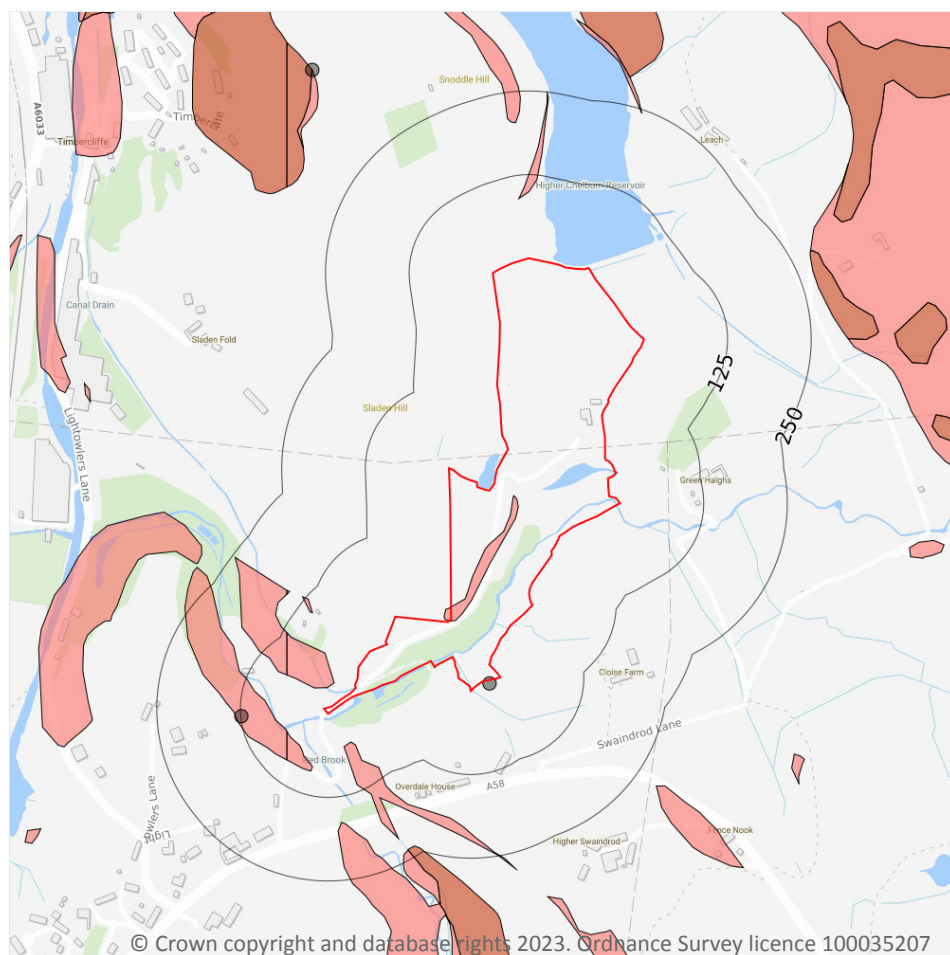
Not identified

Not identified

Not identified



Ground stability / Landslides



- Site Outline
- Search buffers in metres (m)
- Slope instability
 - Moderate
 - High
- National landslide database
 - Landslide record

Landslides

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

Location	Hazard rating	Details
On site	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
26m SW	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
54m SW	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.

Location	Hazard rating	Details
64m SW	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
65m SW	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.

This data is sourced from the British Geological Survey.

National landslide database

The BGS National Landslide Database holds nearly 18,000 records of landslides and is the definitive source of landslide information for Great Britain. It is drawn from BGS paper and digital maps, memoirs and sheet explanations, reports and articles as well as non-BGS reports, council records, media reports and inherited databases. 83% of the records in this database have been validated by the BGS.

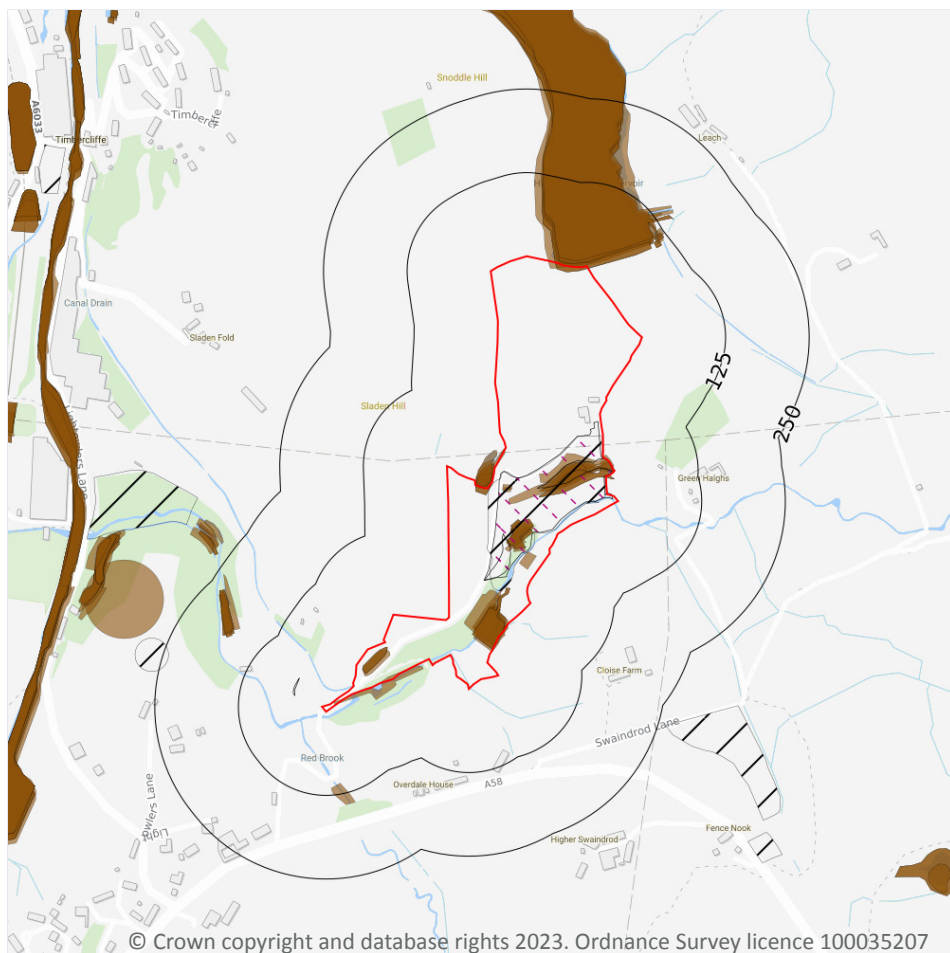
It is a point dataset and does not reflect the total extent of the landslide. Where possible, each point is located at the highest point of the landslide backscarp feature. Where this is not known, the highest point of the mapped landslide is used if available, otherwise the point is assigned an approximate location.

Each landslide record has an accuracy level assigned. Over 86% of the records in the database have an accuracy of +/- 100m, and Groundsure will not display any records that do not meet this minimum level. The absence of data in this section does not confirm that a landslide has not occurred at this location.

Location	BGS reference	Accuracy (m)	Link	Validated
On site	100004440	10	http://www.bgs.ac.uk/geoindex/gdi/landslides/landslide_referencesDetail.cfm?ls_id=100004440	Validated to assigned accuracy
114m SW	100004439	10	http://www.bgs.ac.uk/geoindex/gdi/landslides/landslide_referencesDetail.cfm?ls_id=100004439	Validated to assigned accuracy

This data is sourced from the British Geological Survey.

Ground stability / Infilled land



- Site Outline
- Search buffers in metres (m)
- Active landfill sites
- Historical landfill (LA/mapping)
- Infilled Land
- Historic landfill sites

Infilling from historical mapping

These are records of areas of land that have been potentially infilled with unknown materials. Groundsure have identified these areas from our comprehensive collection of historical maps. Depending on the nature of the materials that have been used for infilling there is the potential for these areas to settle over time. As such, any buildings situated on these areas could be at risk from ground instability or subsidence.

Location	Year of mapping	Land Use	Mapping scale
On site	1931	Filter Tanks	10560
On site	1909	Filter Tanks	10560
On site	1911	Reservoir	10560
On site	1911	Reservoir	10560

Location	Year of mapping	Land Use	Mapping scale
On site	1911	Reservoirs	10560
On site	1911	Pond	10560
On site	1911	Reservoir	10560
On site	1911	Reservoirs	10560
On site	1892	Reservoir	10560
On site	1892	Pond	10560
On site	1892	Ponds	10560
On site	1892	Reservoir	10560
On site	1891	Reservoir	10560
On site	1911	Filter Tanks	10560
On site	1911	Refuse Heap	10560
On site	1949	Reservoir	10560
On site	1949	Reservoir	10560
On site	1949	Pond	10560
On site	1949	Filter Tanks	10560
On site	1949	Filter Tanks	10560
On site	1911	Filter Tanks	10560
On site	1911	Refuse Heap	10560
On site	1911	Reservoir	10560
On site	1911	Filter Tanks	10560
On site	1911	Refuse Heap	10560
On site	1911	Reservoir	10560
On site	1911	Reservoirs	10560
On site	1851	Reservoir	10560
On site	1851	Pond	10560
On site	1851	Pond	10560
On site	1931	Reservoir	10560
On site	1931	Reservoirs	10560

Location	Year of mapping	Land Use	Mapping scale
On site	1931	Reservoir	10560
On site	1909	Reservoir	10560
On site	1909	Reservoirs	10560
On site	1909	Reservoir	10560
On site	1930	Reservoir	10560
On site	1909	Reservoir	10560
0m W	1911	Reservoirs	10560
1m SW	1979	Pond	10000
3m N	1979	Reservoir	10000
4m N	1911	Reservoir	10560
9m N	1949	Reservoir	10560

This data is sourced from Groundsure.

Historical landfill (from Environment Agency records)

These are records of former areas of landfill. These areas of land are likely to have been redeveloped for other uses since the landfill closed. Depending on the nature of the waste these landfill sites accepted, they may still pose a risk of contamination (including from landfill gases). Former landfill sites can also cause issues with ground instability.

Distance	Direction	Details		
0	on site	Site Address: Wellfield Mill Site, Longley Hey Farm, Halifax Road, Littleborough, Rochdale, Greater Manchester Waste Licence: Yes Site Reference: 4200/9241 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: NR1/L/PHU001	Licence Issue: 01/06/1988 Licence Surrendered: 20/09/2004 Licence Holder Address: Longley Hey Farm, Littleborough	First Input: - Last Input: - Control Measures: -

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

Historical landfill (from Local Authority and historical mapping records)

These are records of former areas of landfill. These areas of land are likely to have been redeveloped for other uses since the landfill closed. Depending on the nature of the waste these landfill sites accepted, they may still pose a risk of contamination (including from landfill gases). Former landfill sites can also cause issues with ground instability.

Location	Site address	Source	Data type
On site	Refuse Tip	1996 mapping	Polygon
On site	Refuse Tip	1961 mapping	Polygon
44m SW	Refuse Tip	1961 mapping	Polygon

This data is sourced from Groundsure.

Transportation summary



HS2

No results for Phase 1 or Phase 2 of the HS2 project (including the 2016 amendments) have been identified within 5km of the property. However, HS2 routes are still under consultation and exact alignments may change in the future.

Visual assessments are only provided by Groundsure if the property is within 2km of Phase 1 and 2a. Other assessments may be available from HS2.

HS2 Route	Not identified
HS2 Safeguarding	Not identified
HS2 Stations	Not identified
HS2 Depots	Not identified
HS2 Noise	Not assessed
HS2 Visual impact	Not assessed



Crossrail

The property is not within 250 metres of either the Crossrail 1 or Crossrail 2 project.

Crossrail 1 Route	Not identified
Crossrail 1 Stations	Not identified
Crossrail 2 Route	Not identified
Crossrail 2 Stations	Not identified
Crossrail 2 Worksites	Not identified
Crossrail 2 Safeguarding	Not identified
Crossrail 2 Headhouse	Not identified



Other Railways

Our search indicates the property is within 250 metres of railways or railway stations, subway or DLR lines, active railways, historical railways or tunnels.

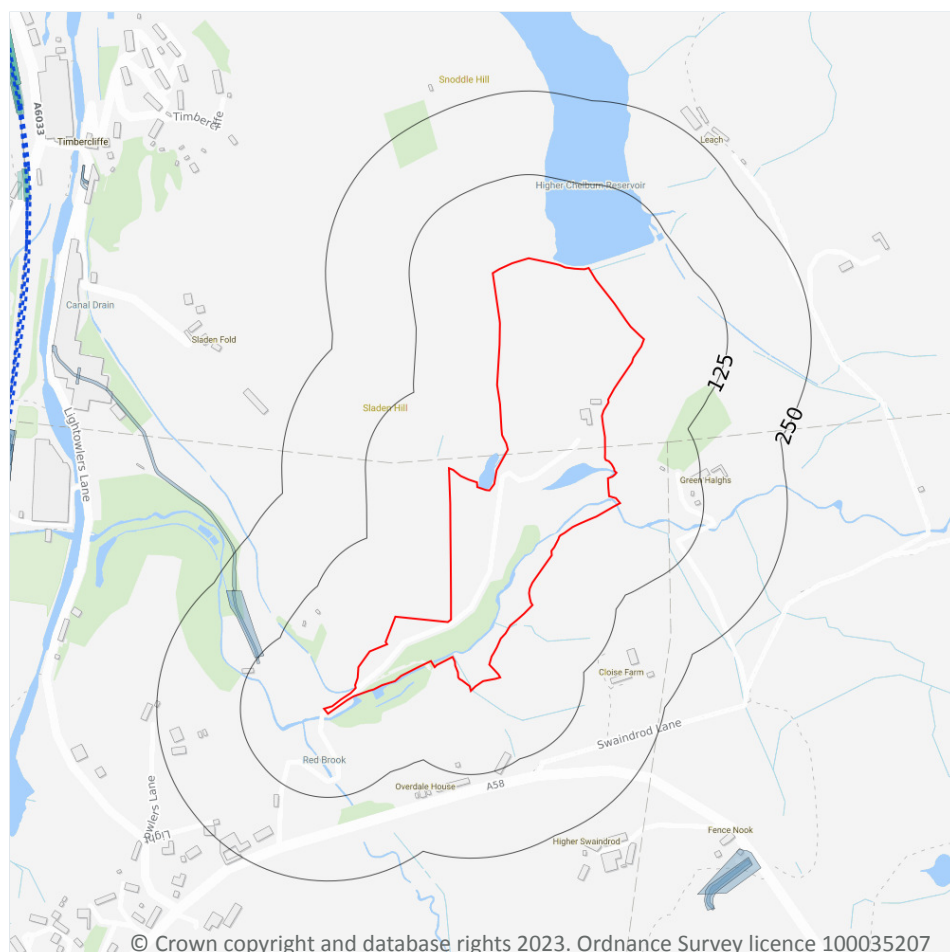
The Underground assessment includes London Underground, DLR, Tyne and Wear Metro, Merseyrail and Glasgow Subway.

Additionally, see **page 41** for details of the identified issues.

Active Railways and Tunnels	Not identified
Historical Railways and Tunnels	Identified
Railway and Tube Stations	Not identified
Underground	Not identified



Transportation / Railways and Underground



- Site Outline
- Search buffers in metres (m)
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels

Historical railway infrastructure

The property is situated within 250m of a railway or tunnel feature identified on historical mapping. Please note that many historical railways noted in this section will still be in use today.

Please note that for reasons of clarity only the closest record identified will be shown in the table below, though the full extent of records identified can be seen on the map.

Distance	Direction	Feature	Year
118 m	SW	Tramway Sidings	1891

Energy summary



Oil and gas

No historical, active or planned wells or extraction areas have been identified near the property.

Oil and gas areas
Oil and gas wells

Not identified
Not identified



Wind and Solar

Our search of existing and planned renewable wind and solar infrastructure has identified results.

Please see the Avista Action Alert on **page 3** for further advice. Additionally, see **page 43** for details of the identified issues.

Planned Multiple Wind Turbines

Identified

Planned Single Wind Turbines

Identified

Existing Wind Turbines

Identified

Proposed Solar Farms

Not identified

Existing Solar Farms

Not identified



Energy

Our search of major energy transmission or generation infrastructure and nationally significant infrastructure projects has identified results.

Please see the Avista Action Alert on **page 3** for further advice. Additionally, see **page 56** for details of the identified issues.

Power stations

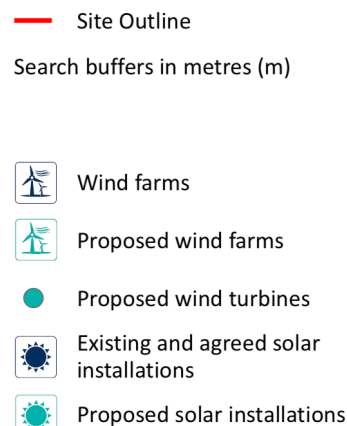
Not identified

Energy Infrastructure Projects

Identified

Not identified





43

ID	Distance	Direction	Details	
19	4-5 km	NW	Site Name: Crook Hill (Rochdale), Reddysore, Scout Gate, Walsden, Todmorden, North West Operator Developer: Coronation Power Ltd Status of Project: Operational	Type of project: Onshore Number of Turbines: 7 Turbine Capacity: 3.4MW Total project capacity: 23.8 Approximate Grid Reference: 391438, 420800
25	6-7 km	E	Site Name: Green Holes Farm, Coal Gate Road, Ripponden, Sowerby Bridge, Calderdale, Yorkshire & Humber Operator Developer: Landowner or private owner Status of Project: Operational	Type of project: Onshore Number of Turbines: 1 Turbine Capacity: 0.1MW Total project capacity: 0.1 Approximate Grid Reference: 401748, 419924
36	7-8 km	SW	Site Name: Beet Farm, Broad Lane, Burnedge, Rochdale, North West Operator Developer: Landowner or private owner Status of Project: Consented	Type of project: Onshore Number of Turbines: 1 Turbine Capacity: 0.1MW Total project capacity: 0.1 Approximate Grid Reference: 391438, 410575
37	7-8 km	NW	Site Name: Reaps Moss, Britannia, Hogshead Law Hill, Britannia, nr Bacup, North West Operator Developer: Coronation Power Ltd Status of Project: Operational	Type of project: Onshore Number of Turbines: 3 Turbine Capacity: 3.4MW Total project capacity: 10.2 Approximate Grid Reference: 389314, 422874
45	8-9 km	NW	Site Name: Todmorden Moor (Resubmission), NE of Bacup, Yorkshire & Humber Operator Developer: Coronation Power Ltd Status of Project: Operational	Type of project: Onshore Number of Turbines: 5 Turbine Capacity: 2.5MW Total project capacity: 12.5 Approximate Grid Reference: 389906, 424819
47	8-9 km	E	Site Name: Hazel Slack Farm (2nd Resubmission), Land South Of Gosling Lane, Barkisland, Sowerby Bridge, Yorkshire & Humber Operator Developer: Landowner or private owner Status of Project: Operational	Type of project: Onshore Number of Turbines: 1 Turbine Capacity: 0.25MW Total project capacity: 0.25 Approximate Grid Reference: 404428, 418613

This data is sourced from the UK Wind Energy Database supplied by Renewable UK. Groundsure recommends further independent research with Renewable UK of any sites of interest to determine exact locations and details of the projects.

Proposed wind farms

A wind farm or group of turbines or individual wind turbine has been proposed within 10,000m of the property. See below for details of the operating company, number of turbines, project and turbine capacity.

Please note some planning applications identified as having been refused, may have subsequently been granted on appeal without appearing as such within this report. Additionally, please be aware that as the identified records are taken from a planning record archive, the proposals identified may have already been undertaken.

ID	Distance	Direction	Details	
8	2-3 km	SW	Site Name: Higher Cleggswood Farm, Hollingworth Road, Rochdale, Littleborough, Greater Manchester, OL15 0AZ Planning Application Reference: 08/D50377 Type of Project: 2 Wind Turbines	Application Date: 2008-01-25 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises construction of 2 wt 6000 wind turbines. Approximate Grid Reference: 393753, 415366
11	3-4 km	NW	Site Name: Crook Hill, Wardle, Rochdale, OL12 Planning Application Reference: 08/01281/WDF Type of Project: Wind Farm	Application Date: 2008-08-10 Planning Stage: Detail Plans Granted Project Details: Scheme comprises 12 turbines which will be capable of providing enough electricity to meet the domestic energy needs of almost 25,000 homes. Each turbine will produce up to 3 MW of power, giving the site a potential total output of up to 36 MW. Approximate Grid Reference: 392441, 419303
13	3-4 km	NW	Site Name: Wategrove Reservoir, Crook Hill/Shore Moor, Oldham, Rochdale, Greater Manchester, OL12 9NE Planning Application Reference: AE/055493/08 Type of Project: 4 Wind Turbines	Application Date: 2008-07-31 Planning Stage: Early Planning Detailed Plans Submitted Project Details: Scheme comprises installation and operation of 4 wind turbines with associated ancillary infrastructure for generation of wind power. Approximate Grid Reference: 392383, 419666
17	4-5 km	NW	Site Name: Height Houses Farm Inchfield Road, Todmorden, Lancashire, OL14 7QP Planning Application Reference: 13/00188/FUL Type of Project: 2 Wind Turbines	Application Date: 2013-02-19 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of two micro scale wind turbines (14.97m to hub, 5.6m diameter blades). Approximate Grid Reference: 392848, 421580
21	5-6 km	W	Site Name: Water Grove, Crook Hill/Shore Moor, Bury, Bury, Greater Manchester, IM4 7AR Planning Application Reference: 50351 Type of Project: 4 Wind Turbines	Application Date: 2008-08-04 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction and operation of 4 wind turbines with associated ancillary infrastructure for generation of wind power (revised proposal for previously submitted planning application D49 Approximate Grid Reference: 390442, 419381

ID	Distance	Direction	Details	
22	5-6 km	NW	Site Name: Land South West Of, Gorphey Resivor, Bacup Road, Burnley, Todmorden, Lancashire, OL14 7HG Planning Application Reference: NOT/2012/0502 Type of Project: 5 Wind Turbines	Application Date: 2012-11-28 Planning Stage: Early Planning Detailed Plans Submitted Project Details: Scheme comprises construction of 5 wind turbines of a maximum height of 125m to blade-tip and associated infrastructure, including 85m high metrological mast, switch gear/control building, crane hards Approximate Grid Reference: 390823, 421809
23	5-6 km	NW	Site Name: Land South West Of Gorphey Res, Bacup Road, Calderdale, Todmorden, Lancashire, OL14 7 Planning Application Reference: 14/00126/WDF Type of Project: 4 Wind Turbines	Application Date: 2014-02-05 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises construction of 4 wind turbines of maximum height to blade tip of between 110m and 125m, and associated infrastructure including turbine foundations, transformers, crane hardstanding Approximate Grid Reference: 390823, 421809
24	6-7 km	S	Site Name: Rough Hey Cottage, Ripponden Road, Denshaw, Oldham, Oldham, Greater Manchester, OL3 5UN Planning Application Reference: PA/333979/13 Type of Project: 2 Wind Turbines	Application Date: 2013-05-01 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of 2 micro scale wind turbine (14.97m to hub, 5.6m diameter blades). Approximate Grid Reference: 397581, 411556
26	6-7 km	SW	Site Name: Edenfield, Rossendale, Bury, Greater Manchester, BL0 0 Planning Application Reference: N/A Type of Project: Wind Farm (26 Turbine)	Application Date: 2002-03-15 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction of a 26 turbine windfarm with a 65MW output. Each turbine is to be 100 metre high with a total ground footprint of 130,700 square metres. Works also include 12km of road Approximate Grid Reference: 389050, 414100
27	6-7 km	NE	Site Name: Great Greave Farm Coal Gate Road, Ripponden, Sowerby Bridge, West Yorkshire, HX6 4NU Planning Application Reference: 11/00261/FUL Type of Project: Wind Turbine	Application Date: 2011-03-23 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises removal of two 6Kw, 15m turbines and replacement with one 15Kw, 15m turbine. Approximate Grid Reference: 401777, 420653

ID	Distance	Direction	Details	
28	6-7 km	NW	Site Name: Inchfield Moor between Bacup Road, Todmorden, Rossendale, Lancashire, BB4 Planning Application Reference: 2012/0526 Type of Project: 5 Wind Turbines	Application Date: 2012-11-26 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction of 5 wind turbines of a maximum height of 125m to blade-tip and associated infrastructure, including 85m high meteorological mast, switch gear/control building, crane hardstandings and access tracks extending from Bacup Rd Approximate Grid Reference: 390300, 422650
29	7-8 km	S	Site Name: Huddersfield Road, Denshaw, Oldham, Oldham, Greater Manchester, OL3 5SB Planning Application Reference: PA/046136/03 Type of Project: Wind Farm	Application Date: 2003-12-18 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises of a wind farm with 7 wind turbines capable of generating approximately 14 megawatts of electricity, 1 temporary anemeter mast, 1 permanent anemeter mast, electrical switching bui Approximate Grid Reference: 397923, 410717
30	7-8 km	N	Site Name: Royd Farm The Royd Beech Avenue, Todmorden, Lancashire, OL14 8DN Planning Application Reference: 11/01028/FUL Type of Project: 3 Wind Turbines	Application Date: 2011-09-22 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises construction of 3 Unitron 10kw wind turbines. Approximate Grid Reference: 393566, 424995
31	7-8 km	N	Site Name: Royd Farm The Royd, Todmorden, Lancashire, OL14 8DW Planning Application Reference: 11/01463/FUL Type of Project: 2 Wind Turbines	Application Date: 2011-11-24 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction of 2 unitron 10kw wind turbines on a 10m pole. Approximate Grid Reference: 393642, 425087
32	7-8 km	N	Site Name: Royd Farm Royd, Todmorden, Lancashire, OL14 8DW Planning Application Reference: 09/01387/FUL Type of Project: 2 Wind Turbines	Application Date: 2009-11-12 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises installation of two 18m wind turbines. Approximate Grid Reference: 393618, 425139
33	7-8 km	N	Site Name: Royd Farm Royd, Todmorden, Lancashire, OL14 8DW Planning Application Reference: 10/00396/FUL Type of Project: 2 Wind Turbines	Application Date: 2010-03-30 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of two 18m Wind Turbines. Approximate Grid Reference: 393618, 425139

ID	Distance	Direction	Details	
34	7-8 km	N	Site Name: Royd Farm Royd, Todmorden, Lancashire, OL14 8DW Planning Application Reference: 12/00574/FUL Type of Project: 2 Wind Turbines	Application Date: 2012-05-09 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of 2 aircon 10, 10kw wind turbines on a 10m pole with 7.6m diameter blades. Approximate Grid Reference: 393618, 425139
35	7-8 km	E	Site Name: Moor Barn, Cote Road, Ripponden, Calderdale, Sowerby Bridge, West Yorkshire, HX6 4LT Planning Application Reference: 12/00985/FUL Type of Project: 3 Wind Turbines	Application Date: 2012-08-16 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of three micro scale wind turbines (14.97m to hub, 5.6m diameter blades). Approximate Grid Reference: 402729, 419835
38	7-8 km	NE	Site Name: Land at High Stones Hill, High Stones Road, Cragg Vale, Calderdale, Hebden Bridge, West Yorkshire, HX7 5TU Planning Application Reference: 14/01002/FUL Type of Project: 2 Wind Turbines	Application Date: 2014-08-15 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of 2 11kW Gaia wind turbines, 18.3m to hub with 13m diameter rotor. Approximate Grid Reference: 401381, 422998
39	7-8 km	NW	Site Name: Gowther Fold Farm, Rochdale Road, Bacup, OL13 9XF Planning Application Reference: 2016/0357 Type of Project: 2 Wind Turbines	Application Date: 2016-08-29 Planning Stage: Detail Plans Refused Project Details: Scheme comprises construction of 2 wind turbines with a total height of 33.5m and associated works. Approximate Grid Reference: 388676, 422055
40	7-8 km	NW	Site Name: Rossendale, Bacup, Lancashire, OL13 Planning Application Reference: 07/00349/WDF Type of Project: Wind Farm	Application Date: 2008-02-11 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction of operation of 3 wind turbines with associated substation, met mast and access. The wind farm will have an output of 9MW, capable of providing enough electricity to meet Approximate Grid Reference: 389075, 422847
41	8-9 km	NE	Site Name: Shaws House Shaws Lane Top, Triangle, Sowerby Bridge, West Yorkshire, HX6 3EZ Planning Application Reference: 10/01142/FUL Type of Project: 2 Wind Turbines	Application Date: 2010-09-07 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises installation of Two 15kW wind turbines on 15m masts. Approximate Grid Reference: 402121, 422422

ID	Distance	Direction	Details	
42	8-9 km	NW	Site Name: Todmorden Moor, Flower Scarr Road, Todmorden, Lancashire, OL14 7JB Planning Application Reference: 10/01057/WDF Type of Project: 5 Wind Farm	Application Date: 2010-09-10 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of five 3MW wind turbines for 25 years (max. height to blade tip 125m) and ancillary infrastructure including crane hardstandings, control buildings, substation, on-site access tracks, permanent monitoring mast, site entrance Approximate Grid Reference: 391646, 425230
43	8-9 km	N	Site Name: Bungalow Farm Eastwood Road, Todmorden, Lancashire, OL14 8RY Planning Application Reference: 12/00467/FUL Type of Project: 2 Wind Turbines	Application Date: 2012-04-16 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises construction of 2 small scale wind turbines. Approximate Grid Reference: 394255, 426581
44	8-9 km	N	Site Name: Bungalow Farm Eastwood Road, Todmorden, Lancashire, OL14 8RY Planning Application Reference: 11/01293/FUL Type of Project: 2 Wind Turbines	Application Date: 2011-10-26 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises construction of 2 x 11kw Gaia wind turbines mounted on 18.0m lattice towers. Approximate Grid Reference: 394255, 426581
46	8-9 km	S	Site Name: Burn Springs Farm, Grains Bar, Oldham, Oldham, Greater Manchester, OL4 2JY Planning Application Reference: PA/334008/13 Type of Project: 2 Wind Turbines	Application Date: 2013-05-08 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of 2 micro scale wind turbine (14.97m to hub, 5.6m diameter blades) to provide renewable energy for use at the site. Approximate Grid Reference: 396125, 408508
48	9-10 km	N	Site Name: Hartley Royd Farm Blue Bell Lane, Todmorden, Lancashire, OL14 8SE Planning Application Reference: 11/00112/FUL Type of Project: 3 Wind Turbines	Application Date: 2011-01-31 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction of 3 small-scale wind turbines to provide electricity for the farm house and associated farm buildings. Approximate Grid Reference: 391884, 426615

ID	Distance	Direction	Details	
49	9-10 km	E	Site Name: Slaithwaite Moor, Off, New Hey Road, Scammonden, Huddersfield, HD3 Planning Application Reference: 2013/62/93683/W Type of Project: 3 Wind Turbines	Application Date: 2013-12-06 Planning Stage: Detail Plans Withdrawn Project Details: Scheme comprises installation of three 2.3 MW wind turbines on 64m masts and related equipment including substation, cabling, transformer and control buildings, temporary construction compound and access tracks. The associated works include sewer systems, landscaping, infrastructure, enabling and access roads. Approximate Grid Reference: 404202, 414327
50	9-10 km	N	Site Name: Warcock Hill Barn, Long Causeway, Blackshaw Head, Calderdale, Hebden Bridge, West Yorkshire, HX7 7JB Planning Application Reference: 08/00484/FUL Type of Project: 2 Wind Turbines	Application Date: 2008-03-30 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises construction of 2 new 10kw wind turbines on 12m hydraulic raise and lower unit. Approximate Grid Reference: 395012, 427595
51	9-10 km	N	Site Name: Warcock Hill Barn Long Causeway, Blackshaw Head, Hebden Bridge, West Yorkshire, HX7 7JB Planning Application Reference: 08/01436/FUL Type of Project: 2 Wind Turbines	Application Date: 2008-11-30 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of two new 10kw wind turbines on 12m hydraulic raise and lower unit. Approximate Grid Reference: 395013, 427596
52	9-10 km	S	Site Name: 684 Ripponden Road, Oldham, Oldham, Greater Manchester, OL4 2LP Planning Application Reference: HH/052016/06 Type of Project: 2 Wind Turbines	Application Date: 2006-09-12 Planning Stage: Early Planning Detailed Plans Submitted Project Details: Scheme comprises construction of two domestic scale wind turbines to the side elevation. Approximate Grid Reference: 395352, 407698
53	9-10 km	NE	Site Name: Crib Farm New Lane, Sowerby Sowerby Bridge, Luddendenfoot, Halifax, West Yorkshire, HX2 6JJ Planning Application Reference: 11/01170/FUL Type of Project: 2 Wind Turbines	Application Date: 2011-09-15 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of two 11kw gaia wind turbines on 18m lattice towers. Approximate Grid Reference: 402542, 424517

ID	Distance	Direction	Details	
54	9-10 km	W	Site Name: Land To The East And West Of, Rooley Moor Road, Rochdale, OL12 Planning Application Reference: 14/00877/FUL Type of Project: 12 Wind Turbines	Application Date: 2014-08-29 Planning Stage: Detail Plans Refused Project Details: Scheme comprises construction of 12 wind turbine generators (maximum height to tip of 125m), construction of access tracks and crane pads, formation of borrow pits for the extraction of stone for on site construction works, formation of 70m high meteorological mast and substation, transformer housings, control room and associated laydown area and construction compound, associated infrastructure and development ancillary thereto. Approximate Grid Reference: 385454, 418748
55	9-10 km	W	Site Name: Land To The East & West Of, Rooley Moor Road, Rochdale, OL12 6 Planning Application Reference: 2014/0388 Type of Project: 12 Wind Turbines	Application Date: 2014-09-12 Planning Stage: Detail Plans Refused Project Details: Scheme comprises construction of 12 wind turbine generators (maximum height to tip of 125m), construction of access tracks and crane pads, formation of borrow pits for the extraction of stone for on site construction works, formation of 70m high meteorological mast. The associated works include sewer systems, landscaping, infrastructure, enabling works, cable laying and access roads. Approximate Grid Reference: 385454, 418748
56	9-10 km	NE	Site Name: Haven Farm, Luddendenfoot, Halifax, West Yorkshire, HX2 6JJ Planning Application Reference: 11/00252/FUL Type of Project: Wind Turbine	Application Date: 2011-03-07 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises installation of two 11kW Gaia wind turbines on 18m lattice towers. Approximate Grid Reference: 402459, 424737
57	9-10 km	SW	Site Name: Thornham Fold Farm Thornham Lane, Middleton, Manchester, M24 2SD Planning Application Reference: 11/D54990 Type of Project: 2 Wind Turbines	Application Date: 2011-11-04 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction of two 11kw wind turbines with hub heights of 18.3m. Approximate Grid Reference: 389753, 409126
58	9-10 km	NW	Site Name: Stones Cottage Pudsey Road, Todmorden, Lancashire, OL14 8NT Planning Application Reference: 11/00757/FUL Type of Project: 2 Wind Turbines	Application Date: 2011-08-03 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of two x 5Kw Evance R900 turbines on 15 meter masts. Approximate Grid Reference: 391067, 426787

ID	Distance	Direction	Details	
59	9-10 km	N	Site Name: Avoca, Kebs Road, Calderdale, Todmorden, Lancashire, OL14 8SB Planning Application Reference: 04/01964/FUL Type of Project: 2 Wind Generators	Application Date: 2004-10-03 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises of 2 wind generators. Approximate Grid Reference: 392209, 427328

This information is derived from planning data supplied by Glenigan, in some cases with further accuracy applied by Groundsure's experts. This search includes planning applications for wind farms with multiple turbines within 10,000m of the property. This data is updated on a quarterly basis.

If the existence of a planning application, passed or refused may have a material impact with regard to the decision to purchase the property, Groundsure recommends independent, thorough enquiries are made with the Local Authority. If any applications have been identified within this report, Groundsure have included the planning reference to enable further enquiries to be made.

Proposed wind turbines

Planning applications for individual wind turbines have been proposed within 5,000m of the property. See below for details of the operating company, number of turbines, project and turbine capacity.

Please note some planning applications identified as having been refused may have subsequently been granted on appeal without appearing as such within this report. Additionally, please be aware that as the identified records are taken from a planning record archive, the proposals identified may have already been undertaken.

ID	Distance	Direction	Details	
1	177 m	SE	Site Name: Swaindrod Lane, Rochdale, Littleborough, Greater Manchester, OL15 0LE Planning Application Reference: 13/00986/FUL Type of Project: Wind Turbine	Application Date: 2013-09-16 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises construction of an 18m high wind turbine. Approximate Grid Reference: 395507, 417370
2	1-2 km	E	Site Name: Broadhead House Halifax Road, Littleborough, Greater Manchester, OL15 0LG Planning Application Reference: 11/D54766 Type of Project: Wind Turbine	Application Date: 2011-08-23 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises construction of a 6kw 15m high wind turbine. Approximate Grid Reference: 396825, 417765

ID	Distance	Direction	Details	
3	1-2 km	W	Site Name: Near Hey Head Farm 3 Calderbrook Road, Littleborough, Greater Manchester, OL15 9NS Planning Application Reference: 12/56239/FUL Type of Project: Wind Turbine	Application Date: 2012-11-16 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of a single micro scale wind turbine (14.97m to hub, 5.6m diameter blades). Approximate Grid Reference: 393642, 418056
4	1-2 km	W	Site Name: 2 Near Hey Head Farm Calderbrook Road, Littleborough, Greater Manchester, OL15 9NS Planning Application Reference: 12/56238/FUL Type of Project: Wind Turbine	Application Date: 2012-11-21 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of a single micro scale wind turbine (14.97m to hub, 5.6m diameter blades). Approximate Grid Reference: 393617, 418076
5	1-2 km	W	Site Name: Near Hey Head Farm 1 Calderbrook Road, Littleborough, Greater Manchester, OL15 9NS Planning Application Reference: 12/56235/FUL Type of Project: Wind Turbine	Application Date: 2012-11-16 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of a single micro scale wind turbine (14.97m to hub, 5.6m diameter blades). Approximate Grid Reference: 393599, 418079
6	1-2 km	W	Site Name: Far Hey Head Farm Calderbrook Road, Littleborough, Greater Manchester, OL15 9NS Planning Application Reference: 12/56249/FUL Type of Project: Wind Turbine	Application Date: 2012-11-21 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of a single micro scale wind turbine (14.97m to hub, 5.6m diameter blades). Approximate Grid Reference: 393392, 418135
7	1-2 km	SW	Site Name: Bank Top Farm, Hollingworth Road, Littleborough, OL15 0AU Planning Application Reference: 15/00581/FUL Type of Project: Wind Turbine	Application Date: 2015-05-26 Planning Stage: Detail Plans Refused Project Details: Scheme comprises installation of one 36.6m high (to tip) endurance e-4660 wind turbine. Approximate Grid Reference: 393839, 415789

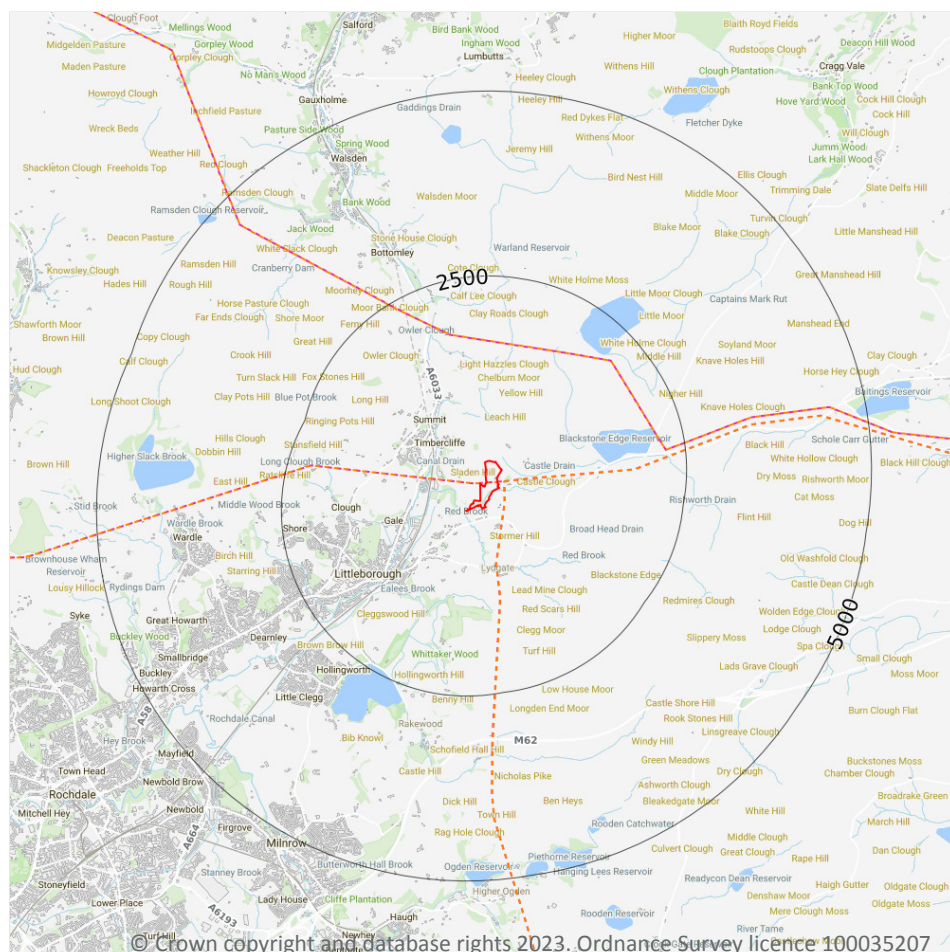
ID	Distance	Direction	Details	
10	3-4 km	S	Site Name: Rakewood Mill Rakewood Road, Littleborough, Greater Manchester, OL15 0AP Planning Application Reference: 11/D54253 Type of Project: Renewable Energy/Wind Turbine	Application Date: 2011-03-10 Planning Stage: - Project Details: Scheme comprises change of use to form a renewable energy centre, to include roof mounted solar panels and construction of one 100kw, 10meter high wind turbine, on land adjacent to mill. Approximate Grid Reference: 394483, 414318
12	3-4 km	S	Site Name: Lower Booth Hollins Farm, Rakewood Road, Littleborough, OL15 0AR Planning Application Reference: 15/00443/FUL Type of Project: Wind Turbine	Application Date: 2015-04-30 Planning Stage: Detail Plans Refused Project Details: Scheme comprises construction of a 225kw wind turbine with a hub height 24.8m and tip height 36.6m. Approximate Grid Reference: 395178, 414142
14	3-4 km	NW	Site Name: Morsgail, Uig, Western Isles, Isle Of Lewis, Western Isles, OL12 9NE Planning Application Reference: 08/00199/FUL Type of Project: Wind Turbine	Application Date: 2008-03-21 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of 6kw wind turbine and 9 meter mast. Approximate Grid Reference: 392383, 419666
15	3-4 km	NW	Site Name: Light Bank Lock Deanroyd Road, Walsden, Todmorden, Lancashire, OL14 6T Planning Application Reference: 09/01494/FUL Type of Project: Wind Turbine	Application Date: 2009-11-17 Planning Stage: Early Planning Detail Plans Withdrawn Project Details: Scheme comprises construction of polytunnel and 10m wind turbine to grow vegetables and teach market gardening skills. Approximate Grid Reference: 393906, 421107
16	4-5 km	S	Site Name: Lower Crows Nest Farm Kiln Lane, Milnrow, Rochdale, Greater Manchester, OL16 3TR Planning Application Reference: 09/D51918 Type of Project: Wind Turbine	Application Date: 2009-04-06 Planning Stage: Early Planning Detailed Plans Submitted Project Details: Scheme comprises installation of 25m high, 11kw wind turbine. Approximate Grid Reference: 393578, 413308
18	4-5 km	SW	Site Name: 30 Bealcroft Close, Milnrow, Rochdale, Rochdale, Greater Manchester, OL16 3XD Planning Application Reference: 07/D48548 Type of Project: Wind Turbine	Application Date: 2007-01-10 Planning Stage: Plans Approved Detail Plans Granted Project Details: Scheme comprises installation of 3.5m high wind turbine to rear elevation of house/flat. Approximate Grid Reference: 392401, 413337

ID	Distance	Direction	Details	
20	4-5 km	SW	Site Name: 2 Gorse Road, Milnrow, Rochdale, Greater Manchester, OL16 3EQ Planning Application Reference: 10/D53792 Type of Project: Wind Turbine	Application Date: 2010-10-20 Planning Stage: Early Planning Detail Plans Refused Project Details: Scheme comprises installation of a 8.5m high wind turbine and associated works. Approximate Grid Reference: 393020, 412758

This information is derived from planning data supplied by Glenigan, in some cases with further accuracy applied by Groundsure's experts. This search includes planning applications for single wind turbines only, within 5,000m of the property. This data is updated on a quarterly basis.

If the existence of a planning application, passed or refused, may have a material impact with regard to the decision to purchase the property, Groundsure recommends independent, thorough enquiries are made with the Local Authority. If any applications have been identified within this report, Groundsure have included the planning reference to enable further enquiries to be made.

Energy / Energy infrastructure



- Site Outline
- Search buffers in metres (m)
- Power stations
- Nuclear sites
- Gas sites
- Electricity substations
- Energy development projects
- Gas pipelines
- Electricity Lines
- Electricity Cable
- Electricity transmission lines and pylons

Electricity transmission lines and pylons

The nearest overhead transmission lines and/or pylon is located 0m from the property.

Overhead power transmission lines are known to emit electromagnetic fields (EMF). For further information on issues associated with transmission lines you may wish to contact the EMF Unit Public Information Line on 0845 7023270 or visit <http://www.emfs.info>. Guidance on electromagnetic fields resulting from transmission and distribution lines can also be found on the Public Health England (PHE) website.

This data is sourced from the National Grid. Groundsure provide the data for information only and do not make any judgment on the risks or otherwise of EMFs. However, if the existence of overhead power transmission may have a material impact with regard to the decision to purchase the property, Groundsure recommends contacting these organisations.

National Grid energy infrastructure

There is energy infrastructure, such as electricity or gas transmission or storage taking place on or near to the property. This could include high capacity electricity transmission lines, electricity substations, strategic gas pipes and feeders and other National Grid infrastructure associated with electricity generation and transmission and gas transmission.

This data is sourced from the National Grid.

Planning summary



Planning Applications

Using Local Authority planning information supplied and processed by Glenigan dating back 10 years, this information is designed to help you understand possible changes to the area around the property. Please note that even successful applications may not have been constructed and new applications for a site can be made if a previous one has failed. We advise that you use this information in conjunction with a visit to the property and seek further expert advice if you are concerned or considering development yourself.

4

Large Developments

searched to 750m

Please see **page 59** for details of the proposed developments.

7

Small Developments

searched to 500m

Please see **page 60** for details of the proposed developments.

5

House extensions or new builds

searched to 250m

Please see **page 61** for details of the proposed developments.

Please note the links for planning records were extracted at the time the application was submitted therefore some links may no longer work. In these cases, the application details can be found by entering the application reference manually into the Authority's planning website.

In order to understand this planning data better together with its limitations you should read the full detailed limitations on **page 73**.



Planning constraints

Protected areas have been identified within 50 metres of the property.

Please see **page 63** for details of the identified issues.

Environmental Protected Areas **Identified**
Visual and Cultural Protected Areas **Not identified**



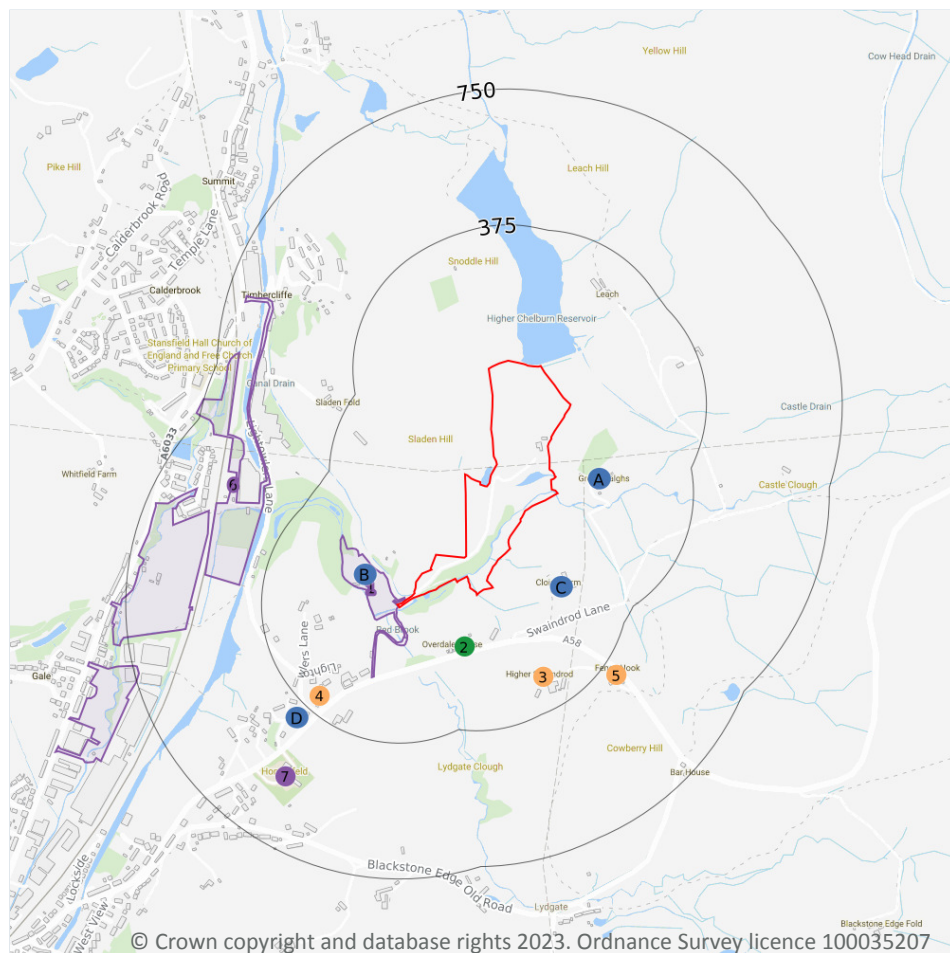
Telecoms

There are no mobile masts, mobile phone base stations or planning applications for mobile masts identified within 250 metres of the property.

Mobile phone masts **Not identified**



Planning Applications



- Site Outline
- Search buffers in metres (m)
- Grouped applications and/or mobile mast records
- Mobile mast planning records
- OFCOM Sitefinder mobile masts
- Large Project planning application
- Large Project planning application (polygon)
- Small Project planning application
- Small Project planning application (polygon)
- House Extension planning application

Large projects searched to 750m

4 large developments within 750m from the property have been submitted for planning permission during the last ten years. Large developments are considered to be residential builds of 10 or more houses (or 1-9 units if value is greater than £1 million) and all other projects with a value of £250,000 or more. Please see below for details of the proposed developments.

ID	Details	Description	Online record
ID: 1 Distance: 1 m Direction: SW	Application reference: 21/00950/REM Application date: 28/06/2021 Council: Rochdale Accuracy: Proximity	Address: Sladen Mill, Halifax Road, Littleborough, Greater Manchester, OL15 0LB Project: 25 Houses Last known status:	Link

ID	Details	Description	Online record
ID: B Distance: 123 m Direction: SW	Application reference: 15/01235/OUT Application date: 23/10/2015 Council: Rochdale Accuracy: Proximity	Address: Sladen Mill, Halifax Road, Littleborough, Greater Manchester, OL15 0LB Project: 25 Houses Last known status:	Link
ID: 6 Distance: 433 m Direction: W	Application reference: 22/00485/FUL Application date: 14/04/2022 Council: Rochdale Accuracy: Exact	Address: Various Locations Within Little Grove Lodge, Eales Brook, Littleborough, Greater Manchester, OL15 Project: Flood Defence Works Last known status: Detailed plans have been granted.	Link
ID: 7 Distance: 564 m Direction: SW	Application reference: 16/01457/HYBR Application date: 11/01/2017 Council: Rochdale Accuracy: Proximity	Address: Honresfeld, Halifax Road, Littleborough, Greater Manchester, OL15 0JG Project: 11 Residential Units (New/Conversion) Last known status: Detailed plans have been granted.	Link

Small projects searched to 500m

7 small developments within 500m from the property have been submitted for planning permission during the last ten years. Small developments are considered to be residential builds of 3-9 houses or other developments with a project value of less than £250,000. Please see below for details of the proposed developments.

ID	Details	Description	Online record
ID: B Distance: 123 m Direction: SW	Application reference: 14/00179/DEM Application date: 17/02/2014 Council: Rochdale Accuracy: Proximity	Address: Sladen Mill, Halifax Road, Littleborough, Greater Manchester, OL15 0LB Project: Demolition Last known status: Detailed plans have been granted.	Link
ID: C Distance: 176 m Direction: SE	Application reference: 13/00986/FUL Application date: 16/09/2013 Council: Rochdale Accuracy: Proximity	Address: Leach Farm, Swaindrod Lane, Littleborough, Greater Manchester, OL15 0LE Project: Wind Turbine Last known status: The application for detail approval has been withdrawn.	Link
ID: 3 Distance: 283 m Direction: S	Application reference: 17/00158/AGR Application date: 01/03/2017 Council: Rochdale Accuracy: Proximity	Address: Higher Swaindrod Farm, Halifax Road, Littleborough, Greater Manchester, OL15 0LF Project: Agricultural Building Last known status: The application for detail approval has been refused.	Link
ID: 4 Distance: 330 m Direction: SW	Application reference: 20/00051/FUL Application date: 25/02/2020 Council: Rochdale Accuracy: Proximity	Address: Pike House Farm, Lightowlers Lane, Littleborough, Greater Manchester, OL15 0LN Project: Agricultural Building (Extension) Last known status: Detailed plans have been granted.	Link

ID	Details	Description	Online record
ID: 5 Distance: 418 m Direction: SE	Application reference: 16/00802/AGR Application date: 29/07/2016 Council: Rochdale Accuracy: Proximity	Address: Higher Swaindrod Farm, Halifax Road, Littleborough, Greater Manchester, OL15 0LF Project: Agricultural Building Last known status: The application for detail approval has been refused.	Link
ID: D Distance: 418 m Direction: SW	Application reference: 15/01079/FUL Application date: 15/09/2015 Council: Rochdale Accuracy: Proximity	Address: Unit 1, Pike House Barn, Halifax Road, Littleborough, Greater Manchester, OL15 0LA Project: Agricultural Building Last known status: Detailed plans have been granted.	Link
ID: D Distance: 418 m Direction: SW	Application reference: 15/00818/AGR Application date: 28/07/2015 Council: Rochdale Accuracy: Proximity	Address: Unit 1, Pike House Farm, Halifax Road, Littleborough, Greater Manchester, OL15 0LA Project: Agricultural Building Last known status: The application for detail approval has been refused.	Link

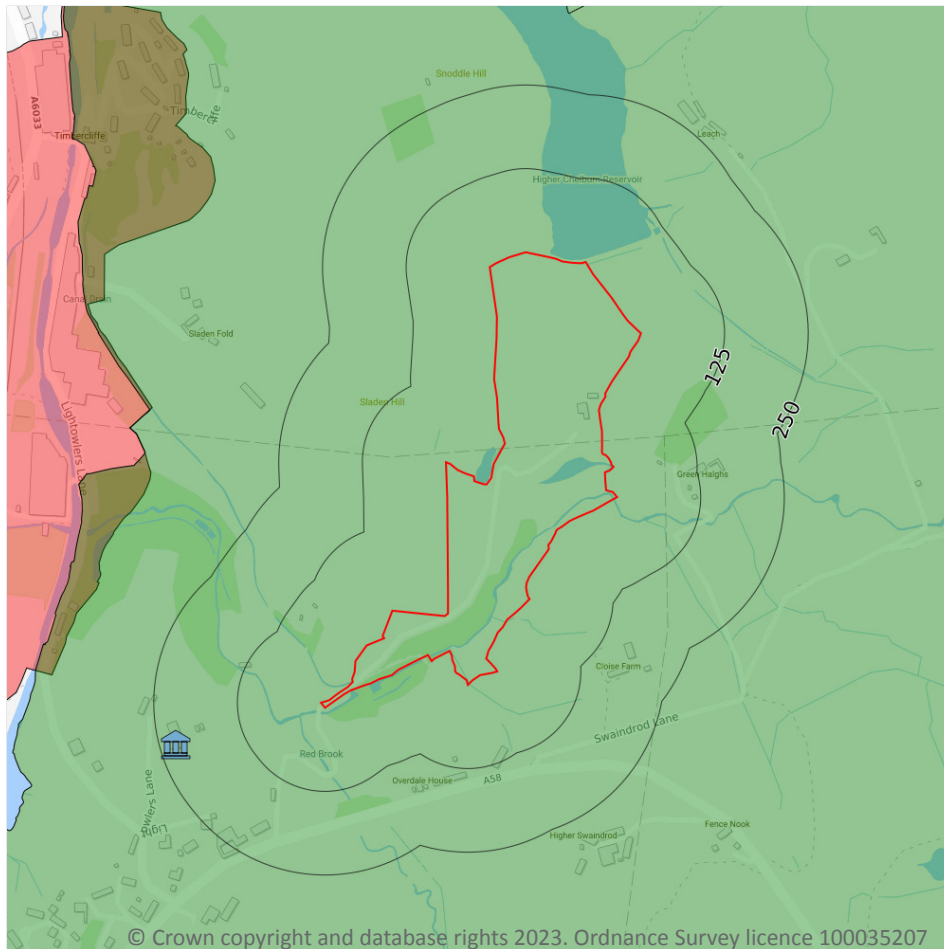
House extensions and small new builds searched to 250m

5 house extensions and small new builds within 250m from the property have been submitted for planning permission during the last ten years.

ID	Details	Description	Online record
ID: A Distance: 118 m Direction: E	Application reference: 15/00351/HOUS Application date: 24/03/2015 Council: Rochdale Accuracy: Exact	Address: Greenhalgh Farm, Swaindrod Lane, Littleborough, Greater Manchester, North West, OL15 0LE Project: House (Extension) Last known status: The application for detail approval has been refused.	Link
ID: A Distance: 119 m Direction: E	Application reference: 15/00871/HOUS Application date: 24/07/2015 Council: Rochdale Accuracy: Exact	Address: Greenhalgh Farm, Swaindrod Lane, Littleborough, Greater Manchester, North West, OL15 0LE Project: House (Extension) Last known status: Detailed plans have been granted.	Link
ID: A Distance: 119 m Direction: E	Application reference: 15/00621/HOUS Application date: 03/06/2015 Council: Rochdale Accuracy: Proximity	Address: Greenhalgh Farm, Swaindrod Lane, Littleborough, Greater Manchester, North West, OL15 0LE Project: House (Extension) Last known status: The application for detail approval has been withdrawn.	Link

ID	Details	Description	Online record
ID: 2 Distance: 149 m Direction: S	Application reference: 20/00825/HOUS Application date: 31/07/2020 Council: Rochdale Accuracy: Exact	Address: 4 & 5 Limefield Terrace, Halifax Road, Littleborough, Greater Manchester, North West, OL15 0LD Project: Garage Last known status: The application for detail approval has been withdrawn.	Link
ID: C Distance: 177 m Direction: SE	Application reference: 14/00319/HOUS Application date: 18/03/2014 Council: Rochdale Accuracy: Exact	Address: Cloise Farm, Swaindrod Lane, Littleborough, Greater Manchester, North West, OL15 0LE Project: 2 Storey Side Extension Last known status: Detailed plans have been granted.	Link

Planning constraints



- Site Outline
- Search buffers in metres (m)
-  Listed buildings
-  Certificates of immunity from listing
-  Conservation areas
-  National Parks
-  Areas of Outstanding Natural Beauty
-  Registered parks and gardens
-  Scheduled Monuments
-  World Heritage Sites
-  Internationally important wetland sites (Ramsar Sites)
-  Sites of Special Scientific Interest
-  Designated Ancient Woodland
-  Green Belt
-  Local Nature Reserves
-  Special Areas of Conservation
-  National Nature Reserves
-  Special Protection Areas (for birds)

Green Belt

Green Belts are intended to prevent inappropriate development by keeping certain areas of land open. The fundamental purpose of Green Belt is to prevent continued growth and merging of urban areas, hence the majority of Green Belt land being located on the fringe of large towns and cities, extending into the countryside. Whilst development can happen in the Green Belt, it should be subject to greater controls on the type and size of the development. However, the presence of a Green Belt designation is not in itself a complete barrier to development and the Local Plan should be consulted if a purchaser is concerned about any potential development in these areas.

Distance	Direction	Green Belt Name	Data Source
0	on site	Merseyside and Greater Manchester	Rochdale

This data is sourced from Local Authorities (Green Belt data contains Ordnance Survey data © Crown copyright and database right 2023). For more information please see <https://www.gov.uk/guidance/national-planning-policy-framework/9-protecting-green-belt-land>

Climate change / Flood risk (5 and 30 Years)

Ambiental's FloodScore™ Climate data provides flood risk information from river, tidal and surface water flooding for a range of future time periods and emissions scenarios (Low emissions - RCP 2.6, medium and most likely emissions - RCP 4.5, and high emission - RCP 8.5). The temperature increases shown for each scenario are predicted increases by 2081-2100. The models are based on the UK Climate Projections 2018 (UKCP18). It is plausible that climate change will increase the severity and frequency of flood events in the future. FloodScore™ Climate has been designed to provide banks, building societies and insurers with future flood risk information for their long-term assets. The data within this report is based on the highest risk found within a buffer zone around the buildings. The 'Year' in the table represents the median of the date range used for each modelled timeframe.

Temp increase range	Year	Combined flood risk	River flooding	Coastal flooding	Surface water flooding
RCP 2.6 0.9-2.3°C	2027	High	High	Negligible	High
RCP 2.6 0.9-2.3°C	2055	High	High	Negligible	High
Temp increase range	Year	Combined flood risk	River flooding	Coastal flooding	Surface water flooding
RCP 4.5 1.7-3.2°C	2027	High	High	Negligible	High
RCP 4.5 1.7-3.2°C	2055	High	High	Negligible	High
Temp increase range	Year	Combined flood risk	River flooding	Coastal flooding	Surface water flooding
RCP 8.5 3.2-5.4°C	2027	High	High	Negligible	High
RCP 8.5 3.2-5.4°C	2055	High	High	Negligible	High

This data is sourced from Ambiental Risk Analytics.

Climate change / Natural ground instability (5 and 30 Years)

This data shows the increase in shrink swell subsidence hazards as a result of climate change. When certain soils take in water they can swell, causing heave. Conversely, when these soils dry out they can shrink and cause subsidence. Climate change will result in higher temperature and therefore likely cause periods of drought and an increase in shrink swell subsidence. This data has been produced using the Met Office local projections to accurately model predicted rainfall, it is only available for RCP8.5 (the 'worst case' climate scenario).

Temp increase range	Year	Wet scenario	Average rainfall	Dry scenario
RCP 8.5 3.2-5.4°C	2030s	Highly unlikely	Highly unlikely	Highly unlikely
RCP 8.5 3.2-5.4°C	2050s	Highly unlikely	Highly unlikely	Highly unlikely

This data is sourced from the British Geological Survey.

Datasets searched

This is a full list of the data searched in this report. If we have found results of note we will state "Identified". If no results of note are found, we will state "Not identified". Our intelligent filtering will hide "Not identified" sections to speed up your workflow.

Contaminated Land	
Former industrial land use (1:10,560 and 1:10,000 scale)	Identified
Former tanks	Identified
Former energy features	Not identified
Former petrol stations	Not identified
Former garages	Not identified
Former military land	Not identified
Former landfill (from Local Authority and historical mapping records)	Identified
Waste site no longer in use	Not identified
Active or recent landfill	Not identified
Former landfill (from Environment Agency Records)	Identified
Active or recent licensed waste sites	Identified
Recent industrial land uses	Not identified
Current or recent petrol stations	Not identified
Hazardous substance storage/usage	Not identified
Sites designated as Contaminated Land	Not identified
Historical licensed industrial activities	Not identified
Current or recent licensed industrial activities	Not identified
Local Authority licensed pollutant release	Not identified
Pollutant release to surface waters	Not identified
Pollutant release to public sewer	Not identified
Dangerous industrial substances (D.S.I. List 1)	Not identified

Contaminated Land	
Dangerous industrial substances (D.S.I. List 2)	Not identified
Pollution incidents	Not identified
Flooding	
Risk of flooding from rivers and the sea	Not identified
Flood storage areas: part of floodplain	Not identified
Historical flood areas	Not identified
Areas benefiting from flood defences	Not identified
Flood defences	Not identified
Proposed flood defences	Not identified
Surface water flood risk	
Groundwater flooding	Not identified
Radon	
Radon	Identified
Mining features	
Mine entries	Not identified
Mineralised veins	Not identified
Surface workings	
Surface features	Not identified
Underground mine workings	Not identified
Reported subsidence	Not identified
Mine waste tips	Not identified
Secured features	Not identified

Mining features	
Licence boundaries	Not identified
Researched mining	Not identified
Mining Record Office plans	Not identified
BGS mine plans	Not identified
Mining records	
BritPits	Identified
Mineral Planning Areas	Not identified
Non-coal mining areas	Not identified
Mining cavities	Not identified
Coal mining areas	Identified
Brine areas	Not identified
Gypsum areas	Not identified
Tin mining areas	Not identified
Historical Features	
Non-coal mining	Identified
Coal and associated mining	Not identified
Industry associated with mining	Identified
Geological features	
Artificial and made ground (10k)	Identified
Linear features - mineral veins (10k)	Not identified
Artificial and made ground (50k)	Not identified
Linear features - mineral veins (50k)	Not identified
Satellite monitoring	
Satellite monitoring	Not identified
Natural instability	
Property shrink-swell assessment	Not identified

Natural instability	
Shrink-swell clays	Not identified
Landslides	Identified
National landslide database	Identified
Running sands	Not identified
Compressible deposits	Not identified
Collapsible deposits	Not identified
Dissolution of soluble rocks	Not identified
Natural cavities	Not identified
Coastal Erosion	
Complex cliffs	Not identified
Projections with intervention measures in place	Not identified
Projections with no active intervention	Not identified
Complex cliffs	Not identified
Projections with intervention measures in place	Not identified
Projections with no active intervention	Not identified
Infilled land	
Infilling from historical mapping	Identified
Active landfill sites	Not identified
Historical landfill (from Environment Agency records)	Identified
Historical landfill (from Local Authority and historical mapping records)	Identified
Sinkholes	
Reported recent incidents	Not identified
Recorded incidents (BGS)	Not identified
Recorded incidents (Stantec)	Not identified
Historical incidents	Not identified

Transportation	
HS2 route: nearest centre point of track	Not identified
HS2 route: nearest overground section	Not identified
HS2 surface safeguarding	Not identified
HS2 subsurface safeguarding	Not identified
HS2 Homeowner Payment Zone	Not identified
HS2 Extended Homeowner Protection Zone	Not identified
HS2 stations	Not identified
HS2 depots	Not identified
HS2 noise and visual assessment	Not identified
Crossrail 1 route	Not identified
Crossrail 1 stations	Not identified
Crossrail 2 route	Not identified
Crossrail 2 stations	Not identified
Crossrail 2 worksites	Not identified
Crossrail 2 headhouses	Not identified
Crossrail 2 safeguarding area	Not identified
Active railways	Not identified
Railway tunnels	Not identified
Active railway stations	Not identified
Historical railway infrastructure	Identified
Abandoned railways	Not identified
London Underground and DLR lines	Not identified
London Underground and DLR stations	Not identified
Underground	Not identified
Underground stations	Not identified
Oil and gas	
Oil or gas drilling well	Not identified

Oil and gas	
Proposed oil or gas drilling well	Not identified
Licensed blocks	Not identified
Potential future exploration areas	Not identified
Wind and solar	
Wind farms	Identified
Proposed wind farms	Identified
Proposed wind turbines	Identified
Existing and agreed solar installations	Not identified
Proposed solar installations	Not identified
Energy	
Electricity transmission lines and pylons	Identified
National Grid energy infrastructure	Identified
Power stations	Not identified
Nuclear installations	Not identified
Large Energy Projects	Not identified
Planning	
Large projects searched to 750m	Identified
Small projects searched to 500m	Identified
House extensions and small new builds searched to 250m	Identified
Mobile phone masts	Not identified
Mobile phone masts planning records	Not identified
Planning constraints	
Sites of Special Scientific Interest	Not identified
Internationally important wetland sites (Ramsar Sites)	Not identified
Special Areas of Conservation	Not identified

Planning constraints

Special Protection Areas (for birds)	Not identified
National Nature Reserves	Not identified
Local Nature Reserves	Not identified
Designated Ancient Woodland	Not identified
Green Belt	Identified
World Heritage Sites	Not identified
Areas of Outstanding Natural Beauty	Not identified
National Parks	Not identified
Conservation Areas	Not identified
Listed Buildings	Not identified
Certificates of Immunity from Listing	Not identified
Scheduled Monuments	Not identified
Registered Parks and Gardens	Not identified

Climate change

Flood risk (5 and 30 Years)	Identified
Natural ground instability (5 and 30 Years)	Identified

Contaminated land liability assessment methodology

As part of this report Groundsure provide a professional assessment of the risks posed by key environmental information which could lead to the property being designated as 'Contaminated Land' as defined under Part 2A of the Environmental Protection Act 1990. This assessment is based on the following data:

- historical land use (compiled from 1:10,000 and 1:10,560 maps)
- petrol stations, garages, energy features and tanks (compiled from 1:1,250 and 1:2,500 maps) – for selected areas.
- historic military / ordnance sites
- landfill and waste transfer/treatment or disposal sites (including scrap yards)
- current and recent industrial uses (as defined by PointX data)
- Catalyst petrol station
- Part A(1), Part A(2) and Part B Authorisations
- sites determined as Contaminated Land under Part 2A EPA 1990
- Planning Hazardous Substance Consents
- Environment Agency Recorded Pollution Incidents
- Dangerous Substances Inventory Releases (DSI)
- Red List Discharge Consent

The level of risk associated with the property is either Passed or Action Required. If the report result is Action Required it does not necessarily mean that the site is unsuitable for purchase, but only that further assessment of the risk associated with the site is required.

Method Statement

In assessing specific site risk, Groundsure follows principles used extensively throughout the environmental consultancy sector. Our system looks at the potential for specific industries to have generated residual contamination and for this contamination to remain at a site, or to have migrated to neighbouring sites. Sites are scored based on this system and if a site scores highly it indicates a high level of risk.

Limitations of the Study

This report has been prepared with the assumption that the site is in residential use and that no significant (re)development is planned. The screening process reviews historical mapping and a range of current databases. The historical land use database reviewed for this study does NOT include 1:2,500 or 1:1,250 scale maps except for Groundsure's additional information database of selected features namely tanks, energy features, petrol filling stations and garages. This additional information database covers the majority of the UK, but not all. Where 1:2500 or 1:1250 scale maps are utilised all relevant and available map epochs to Groundsure are used. Additionally, this review does NOT include specific enquiries to the Local Authority who may hold additional information and it does NOT include a site visit/inspection. Your attention is drawn to the Terms and Conditions of Groundsure Limited under which this service is provided.

Flood information

The Flood Risk Assessment section is based on datasets covering a variety of different flooding types. No inspection of the property or of the surrounding area has been undertaken by Groundsure or the data providers. The modelling of flood hazards is extremely complex and in creating a national dataset certain assumptions have been made and all such datasets will have limitations. These datasets should be used to give an indication of relative flood risk rather than a definitive answer. Local actions and minor variations, such as blocked drains or streams etc. can greatly alter the effect of flooding. A low or negligible modelled flood risk does not guarantee that flooding will not occur. Nor will a high risk mean that flooding definitely will occur. Groundsure's overall flood risk assessment takes account of the cumulative risk of river and coastal data, historic flood events and areas benefiting from flood defences provided by the Environment Agency/Natural Resources Wales (in England and Wales) and surface water (pluvial) and groundwater flooding provided by Ambiantal Risk Analytics. In Scotland the river and coastal flood models are also provided by Ambiantal Risk Analytics.

Risk of flooding from rivers and the sea

This is an assessment of flood risk for England and Wales produced using local data and expertise, provided by the Environment Agency (RoFRaS model) and Natural Resources Wales (FRAW model). It shows the chance of flooding from rivers or the sea presented in categories taking account of flood defences and the condition those defences are in. The model uses local water level and flood defence data to model flood risk.

The categories associated with the Environment Agency and Natural Resources Wales models are as follows:

RoFRaS (rivers and sea) and FRAW (rivers):

Very Low - The chance of flooding from rivers or the sea is considered to be less than 1 in 1000 (0.1%) in any given year.

Low - The chance of flooding from rivers or the sea is considered to be less than 1 in 100 (1%) but greater than or equal to 1 in 1000 (0.1%) in any given year.

Medium - The chance of flooding from rivers or the sea is considered to be less than 1 in 30 (3.3%) but greater than 1 in 100 (1%) in any given year.

High - The chance of flooding from rivers or the sea is considered to be greater than or equal to 1 in 30 (3.3%) in any given year.

FRAW (sea):

Very Low - The chance of flooding from the sea is considered to be less than 1 in 1000 (0.1%) in any given year.

Low - The chance of flooding from the sea is considered to be less than 1 in 200 (0.5%) but greater than or equal to 1 in 1000 (0.1%) in any given year.

Medium - The chance of flooding from the sea is considered to be less than 1 in 30 (3.3%) but greater than 1 in 200 (0.5%) in any given year.

High - The chance of flooding from the sea is considered to be greater than or equal to 1 in 30 (3.3%) in any given year.

Historic flood events

Over 86,000 events are recorded within this database. This data is used to understand where flooding has occurred in the past and provides details as available. Absence of a historic flood event for an area does not mean that the area has never flooded, but only that Environment Agency/Natural Resources Wales do not currently have records of flooding within the area. Equally, a record of a flood footprint in previous years does not mean that an area will flood again, and this information does not take account of flood management schemes and improved flood defences.

Surface water flooding

Ambiental Risk Analytics surface water flood map identifies areas likely to flood following extreme rainfall events, i.e. land naturally vulnerable to surface water or "pluvial" flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1000 year rainfall events. The flood risks for these rainfall events are reported where the depth would be greater than the threshold for a standard property to modern building standards. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though older ones may even flood in a 1 in 5 year rainstorm event.

Proposed flood defences

The data includes all Environment Agency/Natural Resources Wales's projects over £100K that will change or sustain the standards of flood defence in England and Wales over the next 5 years. It also includes the equivalent schemes for all Local Authority and Internal Drainage Boards.

Flood storage areas

Flood Storage Areas may also act as flood defences. A flood storage area may also be referred to as a balancing reservoir, storage basin or balancing pond. Its purpose is to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel. It may also delay the timing of a flood peak so that its volume is discharged over a longer time interval. These areas are also referred to as Zone 3b or 'the functional floodplain' and has a 5% or greater chance of flooding in any given year, or is designed to flood in the event of an extreme (0.1%) flood or another probability which may be agreed between the Local Planning Authority and Environment Agency/Natural Resources Wales, including water conveyance routes. Development within Flood Storage Areas is severely restricted.

Groundwater flooding



Groundwater flooding is flooding caused by unusually high groundwater levels. It occurs as excess water emerging at the ground surface or within underground structures such as basements. Groundwater flooding tends to be more persistent than surface water flooding, in some cases lasting for weeks or months, and it can result in significant damage to property. This risk assessment is based on a 5m Digital Terrain Model (DTM) and 1 in 100 year and 1 in 250 year return periods.

Ambiental FloodScore™ insurance rating

The property has been rated as **Very High** risk. Please see the Avista Action Alert on **page 3** for further advice.

Ambiental's FloodScore™ risk rating gives an indicative assessment of the potential insurance risk classification from flooding, which can provide an indication of how likely it is that a property's policy will be ceded to Flood Re. The assessment is based on Ambiental's river, tidal and surface water flood data and other factors which some insurers may use in their assessment are not included.

Flood Re is a re-insurance scheme that makes flood cover more widely available and affordable as part of your residential property home insurance. Properties at higher risk of flooding may have the flood part of their policy ceded to Flood Re by their insurer. It is important to understand that Flood Re does not apply to all situations. Exclusions from Flood Re includes properties constructed after 1 January 2009; properties not within domestic Council Tax bands A to H (or equivalent); commercial properties, certain buy to let scenarios and buildings comprising four or more residential units. A full list of the exemptions can be found on the Flood Re website (<https://www.floodre.co.uk/can-flood-re-help-me/eligibility-criteria/>).

The Ambiental FloodScore™ insurance rating is classified into six different bandings:

Very High indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a very high possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, particularly if the property has flooded in the past.

High indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a high possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, particularly if the property has flooded in the past.

Moderate-High indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a moderate possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, particularly if the property has flooded in the past.

Moderate indicates a level of risk that may make it more likely that standard insurance premiums will be higher, or additional terms may apply to the provision of flood cover. There is a low possibility that the cover for flooding at the property will be ceded into the Flood Re scheme, unless the property has flooded in the past.

Low indicates a level of risk that is likely to mean standard cover and premiums are available for flood cover. There is a low possibility the cover for flooding at the property will be ceded into the Flood Re scheme, unless the property has flooded in the past.

Very Low indicates a level of flood risk that should not have any impact on the provision of flood cover for the property.

Planning data limitations

The planning applications section of this report contains data provided under licence from Glenigan, who are widely recognised in the industry as the market leaders in the collection and distribution of planning information in the UK. Glenigan collects on average 4,000 planning applications per day. As such, neither Groundsure or Glenigan are able to check the accuracy of the information that has been submitted by the applicant. All application information is based on the information submitted at the time of application and due to the volumes and the automated processes involved it is not possible to undertake additional checks to confirm its accuracy. As with any dataset of this size and complexity there are limitations, which are highlighted below.

The planning section in our report is fully automated and Groundsure does not undertake visits to the Local Authority or manually search for planning records against other sources as this would be cost-prohibitive to most clients. With each report, Glenigan provides Groundsure with the location detail for each planning application, which is then published within our report. The method for deriving the location detail depends on the type of planning application.

The location of applications are represented in this report as single points for house extensions and small new builds, small developments and points or polygons for large developments. If an application associated with a small development is shown on the map as a polygon it is because it was once classified as a large development and has since been downgraded. The location of

applications is derived from either the grid references provided by the applicant on the planning application form or by address finding software using the site address. If the application is represented by a point, it may not represent the nearest border of the development and may fall outside of the development boundary. If the application is represented by a polygon, we only map the outer extents of proposed developments. Some developments are comprised of multiple areas and in these cases we will show all polygons on the map but only label the one closest to the property. The information contained within this report should be used in conjunction with a visit to the relevant local authority's website to determine the exact location of the development, determine any possible distinctions within the development area, and how this may impact the subject property.

Groundsure has incorporated a dynamic search radius to ensure the most relevant data is presented. This variable search distance is based on House of Commons Library data which categorises areas according to the size of the settlement. Groundsure has distilled these into three core categories. These categories are mega urban, urban and rural and the following search distances apply:

- Mega urban: 250m for large developments, 75m for small developments and 50m for house extensions and small new builds
- Urban: 500m for large developments, 125m for small developments and 50m for house extensions and small new builds
- Rural: 750m for large development, 500m for small development and 250m for house extensions and small new builds

Please note, the search radius assigned to this property is detailed within the planning section of the report.

Due to differing methodologies adopted by Local Authorities, some planning applications identified as having been refused may have subsequently been granted on appeal without appearing as such within this report. As such, if any refused applications are identified within this report, or should the existence or absence of a planning application, consent or similar have a material impact with regard to the decision to purchase a property, the client or beneficiary should make independent thorough enquiries of the Local Authority. Groundsure has excluded certain records of the publicly available data from this report which may have created duplications of reference to the same application. This includes, but is not limited to, data relating to applications such as amendments or variations of planning applications, discharge of conditions, or other associated applications. The report does not contain information on Lawful Development Certificates, Permitted Developments, Prior Approvals, Tree Preservation Orders, and other applications that are considered minor in terms of the level of construction. Additionally, an area of land may be identified for development within the local authority development plan, but for which no formal planning application exists. As such these are not included within the search.

Groundsure provides a web link to individual planning records in this report, but over time Local Authorities may have altered their website structure or record storage and so not all links may still be active. In the case of broken links, customers can use the planning application reference to search the Local Authority planning website manually. Due to data collection methods and processing time, there may be a period of up to 10 days between the application being published on the local authority website and appearing within the Groundsure report.

It is important to note the terms and conditions under which the report was sold, and in particular, whilst Groundsure makes every effort to ensure that data is sourced from reliable providers, it is unable to guarantee that the information is accurate, complete or up to date. Groundsure shall not be liable for any losses or damages incurred by the client or beneficiary, including but not limited to any losses or damages that arise as a result of any error, omission or inaccuracy in any part of the Groundsure Materials where such part is based on any Third Party Content or any reasonable interpretation of Third Party Content. We recommend checking the contents of the TA6 Property Information Form completed by the seller to determine if any planning applications were revealed. If they were not and you believe this should have been included we recommend discussing this with your conveyancer.

Conservation Area data limitations

Please note the Conservation Area data is provided by Historic England and individual Local Authorities. Due to different methodologies used by different Local Authorities the data may be incomplete. We recommend reviewing your local search for confirmation.



Underground data limitations

This database was created by Groundsure using publicly available open data and data from OpenStreetMap. The data is not provided by or endorsed by Transport for London (TfL) and minor differences between TfL's official data and Groundsure's data may occur in relation to the London Underground. Please note that the London Underground, Merseyrail, and Tyne and Wear Metro operate both underground and above ground.

Subsidence data limitations

The natural ground subsidence assessment is based on the British Geological Survey's GeoSure data. GeoSure is a natural ground stability hazard susceptibility dataset, based on the characteristics of the underlying geology, rather than an assessment of risk. A hazard is defined as a potentially damaging event or phenomenon, whereas a risk is defined as the likelihood of the hazard impacting people, property or capital. The GeoSure dataset consists of six data layers for each type of natural ground subsidence hazard. These are shrink-swell clay, landslide, compressible ground, collapsible ground, dissolution of soluble rock and running sand. Each hazard is then provided with a rating on its potential to cause natural ground subsidence. This rating goes from A-E, with A being the lowest hazard, E being the highest. Groundsure represent full GeoSure data as either Negligible (ratings of A), Very Low (ratings of B), Low (C), Moderate (D) or High (E). Where GeoSure Basic is instead used, ratings are displayed as Negligible-Very Low (A or B ratings), Low (C) or Moderate-High (D or E). The GeoSure data only takes into account the geological characteristics at a site. It does not take into account any additional factors such as the characteristics of buildings, local vegetation including trees or seasonal changes in the soil moisture content which can be related to local factors such as rainfall and local drainage. These factors should be considered as part of a structural survey of the property carried out by a competent structural surveyor. For more information on the "typical safe distance" trees should be from a property please see this guide:

<https://www.abi.org.uk/globalassets/sitecore/files/documents/publications/public/migrated/home/protecting-your-home-from-subsidence-damage.pdf>

ClimateIndex™ data and limitations

Groundsure's ClimateIndex™ is an assessment of the physical risk to the property from hazards which may be exacerbated by climate change. It considers the following hazards only:

- River flooding
- Flooding from the sea and tidal waters
- Surface water flooding
- Shrink swell subsidence
- Coastal erosion

These hazards are assessed using a weighted sum model, which allows for the consistent comparison of hazards between different time periods, emissions scenarios and the relative severity of predicted impacts. All flood and subsidence impacts have been produced using the latest UKCP18 climate prediction models. Assessments are provided for the short term (c.5 years) and medium term (c.30 years) only. A range of [Representative Concentration Pathways \(RCPs\)](#) have been used depending on the source dataset and its derivation. For example, flood data has been provided for RCP2.6, 4.5 and 8.5, whereas subsidence data has been derived using local projections only available for RCP8.5. Each RCP variance has been assigned an appropriate weighting in the calculator to reflect the relative likelihood of that scenario and where a full range of RCP scenarios is not available Groundsure have extrapolated to give equivalent values.

The banding applied to a property reflects its current and future risk from the hazards identified above. If a property's banding does not change from the present day to the medium term, the property's risk profile is not considered likely to be affected by climate change, though risks may still be present. Any increase in the banding of a property indicates that the property has the potential to be affected by climate change.

Band	Description	Short term (c.5 year)	Medium term (c.30 year)
A	No risks of concern predicted	76%	75%
B	Minor risks e.g. low level surface water flooding	15%	15%
C	Minor to moderate risks e.g. river flood event above property threshold	4%	4%
D	Moderate risks e.g. above threshold flood events and significant increase in subsidence potential	2%	2%
E	Significant risks e.g. multiple flood risks above property threshold	2%	2%
F	Severe risks to property e.g. coastal erosion risk	1%	2%

Approximate percentage of properties falling into each band. The figures have been calculated based on an assessment of residential properties only.

Mining information

Non-coal mining assessment

This mining search has been compiled from the archive information held by Groundsure. As with all historic mining records, there is no guarantee or assurance of reliability or accuracy of these records. Not all mining activities were recorded or are publically available. Groundsure can't be held responsible for any omissions or errors in the information upon which our interpretation has been based.

Historical mining records vary in document age, reliability, reproduction, quality of the original record, the reason to produce the original document, the skill of the original surveyor and the accuracy of the available surveying equipment at the time of production. It must be accepted that the information is subject to interpretation. Alternative interpretations may be possible.

In any area, sporadic, un-surveyed and ancient mine workings can exist, and unrecorded mine workings or mineralised veins can never be ruled out. Groundsure cannot be held responsible for any settlement or subsidence associated with unrecorded mining features, or from mining plans that are not publically available.

If the property or site is subject to future development we recommend that the ownership of the minerals below the site's surface is established. This detail may be sought from a legal adviser or via the Land Registry. You can then assess whether there is a possibility of any proposed development disturbing or trespassing upon any minerals in third party ownership at the site.

In addition, a mining site investigation may be required to satisfy planning or building regulation conditions. Contact Groundsure for further advice.

Coal Authority data

This report contains Data provided by the Coal Authority. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure Limited and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure Limited prior to any re-use.

Satellite monitoring



SatSense produces countrywide ground movement products based on satellite radar data. For property movement products in the UK we use data from the ESA Sentinel-1 satellite constellation, which has a resolution of 4 by 14 metres. This means that the smallest objects we can detect are the size of a large shed, and we often get multiple measurement points over individual houses. We receive a new radar image every six days, and data collection started in 2015 (although initially, acquisition frequency was lower). This means we have 250+ measurements in time everywhere in the UK. By analysing this long time history using a technique known as InSAR, we can detect long-term movements as low as 1 mm/yr, which is far below movement levels expected to cause property damage.

What is InSAR?

Interferometric Synthetic Aperture Radar (InSAR) is a processing technique that uses the difference between radar images to detect ground movements with high precision. Two (or more) radar images are overlaid such that they match exactly, and the radar measurements for every matching pixel in the images are differenced. The phase information from this difference is then used to extract ground movement for every pixel. SatSense processes all available data over the United Kingdom.

Why can't we measure everywhere?

A limitation of InSAR is that it relies on consistent radar returns from the reflecting surface (buildings, fields, woodland). While some types of surfaces, like buildings, bridges and bare ground are naturally very consistent, ground cover like dense vegetation and fast-growing crops inherently can vary rapidly over time and therefore interfere with the radar measurement. During our processing, we detect which points provide usable measurements, and which points have had too much interference. This means coverage is variable; dense in urban areas, but much more sparse in rural areas.

Why do we need risk indices?

The SatSense ground movement product measures a wide range of ground movements, from long-term, large regional signals to event level movement of individual points. Not all movements have the same damage potential for buildings. Compare an entire town that is subsiding due to groundwater variations to a single building subsiding due to local instability. Buildings in the subsiding town are all moving at very similar rates, meaning there is little to no relative movement between them. This makes the potential for damage much lower than the individual building moving with respect to its neighbours.

To differentiate between different types of movements, we've developed a way to extract different types of movements that are potentially damaging to property. This information is captured by the SatSense risk indices. These risk indices are described below:

- **Property** - This shows any long-term differential movement of the property with respect to its immediate surroundings, in other words, very localised movements. Examples of processes that could flag up this risk index would be trees affecting the nearby water table, local ground instability and small scale nearby building work.
- **Surrounds** - Focuses on slightly larger scale movements, how is the street or estate moving with respect to the wider area. Examples of processes that could flag up this risk index are tunnelling, large scale nearby building work and groundwater extraction.
- **Local Area** - Our widest scale index, showing how a town/neighbourhood as a whole is moving. This index is normally flagged up due to the presence of large scale historic mining or large scale groundwater extraction. Due to the wide area and the limited potential for damage likely to be associated with this type of movement, this index will only indicate amber or green, never red.
- **Gradient** - Looks for bending over medium spatial scales. This index will flag up properties that might not be moving much themselves but are being affected by movements in the vicinity.
- **Acceleration** - Looks at the recent changes in movements, flagging up properties that might not have historically been moving, but have recently seen an increase. It also provides information on whether properties that have moved historically continue to move, or whether the movement is decreasing.
- **Range** - Looks at the amplitude of movement over time. This will highlight periodic (seasonal) movements, and event style movements like sinkholes.

National Coastal Erosion Risk Mapping (NCERM)

The National Coastal Erosion Risk Mapping (2018-2021) shows the coastal baseline. This baseline is split to 'frontages'. These are defined as lengths of the coast with consistent characteristics based on the cliff behaviour characteristics and the defence characteristics. It is intended as an up-to-date and reliable benchmark dataset showing erosion extents and rates for three periods:



- Short Term (0 – 20yr);
- Medium Term (20 – 50yr); and
- Long Term (50 – 100yr).

For the 5th, 50th and 95th percentile confidence levels (degrees of certainty, where 95th percentile equates to 95% certainty) for:

- No Active Intervention Policy Scenario; and
- With the implementation of Shoreline Management Plan (SMP) 2 Policies.

Defence type and SMP policies for each of the three periods described above are included.

The data and associated information is intended for guidance - it cannot provide details for individual properties. The NCERM information considers the predominant risk at the coast, although flooding and erosion processes are often linked, and data on the erosion of foreshore features are, in general, not included.

The data describes the upper and lower estimates of erosion risk at a particular location, within which the actual location of the coastline is expected to lie. The data does not estimate the absolute location of the future coastline. Details of geologically complex areas, known as "complex cliffs" are, in general, not included within the estimates of erosion risk due to the inherent uncertainties associated with predicting the timing and extent of erosion at these locations.

This dataset succeeds National Coastal Erosion Risk Mapping (NCERM) - National (2012 - 2017) Attribution statement: © Environment Agency copyright and/or database right

BGS Property Shrink Swell Assessment

This dataset uses OS Open Maps building polygons to derive its assessment. These are often representative of more than one building and so the score assigned is representative of the highest risk found within the connected building units e.g. a pair of semi-detached properties or a terraced row. The baseline mapping used to derive the assessment will be updated at least annually.

The assessment does not cover any man-made hazards and is based on, and limited to the input datasets including OS Open Buildings, Office for National Statistics data, Bluesky Tree Map and BGS GeoSure shrink-swell. An indication of natural ground instability related to shrink-swell does not necessarily mean that a location will definitely be affected by ground movement or subsidence. Such an assessment can only be made by inspection of the area by a qualified professional.

CON29M notes and guidance

This report is prepared in accordance with [The Law Society Guidance Notes 2018](#); under which all replies to these enquiries are made. Groundsure's Terms and Conditions are applicable at the time the report was produced.

Property owners have the benefit of statutory protection (under the Coal Mining Subsidence Act 1991). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage from disused coal mine workings including disused coal mine entries. A leaflet setting out the rights and obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by telephoning 0345 762 6848. Further information can be found on their website:

www.groundstability.com.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused mine entries).

The Coal Authority emergency telephone number at all times is 01623 646333.

Responses to The Law Society CON29M (2018) Coal Mining Search enquiries and associated findings and recommendations relating to coal mining risk have been provided by Groundsure Ltd. Groundsure Ltd have additionally provided information relating to the Cheshire Brine Compensation Area, and have compiled all information into this report.

Queries should be made of Groundsure Ltd on 01273 257 755, or via email: info@groundsure.com.

CON29M report limitations

This CON29M (2018) Coal Mining Report has been carried out with reference to all available official Coal Authority licensed data, an extensive collection of abandoned mine plans, maps and records. From this material, we have endeavoured to provide as accurate a report as possible. Any and all analysis and interpretation of licensed Coal Authority data in this report is made by Groundsure

The information provided in this report by Groundsure Ltd has been compiled in response to The Law Society CON29M (2018) Coal Mining search enquiries. The scope of the assessment is limited to interpretation of past, present and future extraction of coal, and does not consider the impact from non-coal mining hazards and/or natural ground stability hazards. The Law Society's Guidance Notes 2018 recommends separate enquiries to the appropriate sources are made with regard to other minerals.

The Report is created by a remote investigation and reviews only information provided by the client (address and site location boundaries) and from the databases of publicly available and/or licensable information that enable a desk-based assessment of the Site. The Report does not include a Site Investigation, nor does Groundsure Ltd make additional specific information requests of the regulatory authorities for any relevant information they may hold.

This report is concerned solely with the Site searched and should not be used in connection with nearby properties, as only known coal mining features that could potentially have a direct influence upon the Site searched are considered relevant; other features present in the general area may have been omitted for ease of reference.

This report is confidential to the client, the client's legal advisor and the client's Mortgage lender, as defined in the Groundsure terms & conditions, and as such may be used by them for conveyancing or related purposes. Groundsure has no liability toward any person or organisation not party to commissioning this report. This report or any part of it is not permitted to be reproduced, copied, altered or in any other way distributed by any other person or organisation.

Additional mine entry assessment is based on and limited to the data supplied by the Coal Authority at the time of production. In order to determine whether a property is within the likely zone of influence of a disused coal mine entry the following is considered: the actual or plotted position of the mine entry, its known or assumed diameter and the thickness of superficial deposits above rockhead. Where these figures are not known, assumptions based on established estimations have been made.



CON29M report licensing

This report contains Data provided by the Coal Authority. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure Ltd prior to any re-use.

The Law Society CON29M Coal Mining search enquiries are protected by copyright owned by The Law Society of 113 Chancery Lane, London WC2A 1PL.

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This report may contain public sector information licensed under the Open Government Licence v3.0.

This report may contain plans and records held by the Coal Authority and made publicly available at the time of inspection which may include British Geological Survey and Ordnance Survey data.



Conveyancing Information Executive and our terms & conditions

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by Groundsure Ltd, Nile House, Nile Street, Brighton, BN1 1HW. Tel: 01273 257 755. Email: info@groundsure.com. Groundsure adheres to the Conveyancing Information Executive Standards.

The Standards

- Conveyancing Information Executive Members shall act in a professional and honest manner at all times in line with the Conveyancing Information Executive Standards and carry out the delivery of the Search with integrity and due care and skill.
- Compliance with the Conveyancing Information Executive Standards will be a condition within the Conveyancing Information Executive Member's Terms and Conditions.
- Conveyancing Information Executive Members will promote the benefits of and deliver the Search to the agreed standards and in the best interests of the customer and associated parties.

Complaints Advice

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure.

If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Standards.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs.

COMPLAINTS PROCEDURE: If you want to make a complaint, we will:

- acknowledge it within 5 working days of receipt
- normally deal with it fully and provide a final response, in writing, within 20 working days of receipt
- liaise, at your request, with anyone acting formally on your behalf

Complaints should be sent to:

Operations Director, Groundsure Ltd, Nile House, Nile Street, Brighton, BN1 1HW. Tel: 01273 257 755. Email: info@groundsure.com If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs): Tel: 01722 333306, E-mail: admin@tpos.co.uk We will co-operate fully with the Ombudsman during an investigation and comply with their final decision.

Groundsure's Terms and Conditions can be viewed online at this link: <https://www.groundsure.com/terms-and-conditions-jan-2020/>

Important consumer protection information

All of the advice and reports that Groundsure produces are covered by a comprehensive Remediation Contribution policy to ensure customers are protected, see <https://www.groundsure.com/remediation> for full details.

Data providers

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

Coal Mining Report Insurance Policy



Coal Mining Report Insurance Policy

The Schedule

Policy Number: The Reference contained in the **Coal Mining Search Report**

Premium: £1.40 inclusive of Insurance Premium Tax at 12%

Property: The property which is the subject of the **Coal Mining Search Report**

Limit of Indemnity: £100,000 increasing by 10% compound per annum on each anniversary of and for the first 10 years following the **Commencement Date**

Commencement Date: The date of the **Coal Mining Search Report**

You/Your:

1. A purchaser of the **Property**
2. A lender providing a **Mortgage** in connection with a purchase of the **Property**
3. A lender providing a **Mortgage** by way of a re-mortgage of the **Property**

Definitions

Where a word is defined below or in the schedule it shall carry the same meaning wherever it appears in bold text in this policy

Insured Use: The continued use of the **Property** as a single house or flat or a single commercial premises

Market Value: The value as determined by a surveyor appointed by agreement between **You** and **Us** or (in default of agreement) the President for the time being of the Royal Institution of Chartered Surveyors

Mortgage: A mortgage or charge secured on the **Property** by an institutional mortgage lender

Coal Mining Search Report: The coal mining search report attached to this policy

Search: An official search comprising a search in form CON29M (2018) being mining searches relating to coal and brine in the area in which the **Property** is situated

We/Our/Us:

Zurich Insurance plc. A public limited company incorporated in Ireland. Registration No. 13460. Registered Office: Zurich House, Ballsbridge Park, Dublin 4, Ireland. UK Branch registered in England and Wales Registration No. BR7985. UK Branch Head Office: The Zurich Centre, 3000 Parkway, Whiteley, Fareham, Hampshire PO15 7JZ.

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Communications may be monitored or recorded to improve our service and for security and regulatory purposes.

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Your Policy

This is a legal document and should be kept in a safe place.

This policy is an agreement between **You** and **Us** and cover is provided subject to the payment of the **Premium**.

You must read this policy and its conditions, exclusions, schedule and any endorsements as one contract. Please read all of them to make sure that they provide the cover **You** require. If they do not, please contact **Us** or **Your** insurance adviser who arranged the policy for **You**.

When **You** take out and make changes to the cover provided by this policy, **You** must take reasonable care to ensure that **You** accurately answer any questions which **We** ask of **You** and that any information **You** give **Us** is accurate. If **You** are taking out this policy for purposes which are mainly related to **Your** trade, business or profession, **You** must also let **Us** know about all facts which are material to **Our** decision to provide **You** with insurance. Failure to meet these obligations could result in this policy being invalidated, a claim not being paid, or an additional premium being charged.

Fair presentation of the risk

a) At inception of this policy and also whenever changes are made to it at **Your** request **You** must:

- i) where **You** have taken out this policy for purposes which are wholly or mainly related to **Your** trade, business or profession, disclose to **Us** all material facts in a clear and accessible manner and not misrepresent any material facts, and
- ii) where **You** have taken out this policy for purposes which are wholly or mainly unrelated to **Your** trade, business or profession, take reasonable care not to misrepresent any material facts.

b) If **You** do not comply with clause a) of this condition **We** may:

- i) avoid this policy which means that **We** will treat it as if it had never existed and refuse all claims where any non-disclosure or misrepresentation by **You** is proven by **Us** to be deliberate or reckless in which case **We** will not return the premium paid by **You**; and
- ii) recover from **You** any amount **We** have already paid for any claims including costs or expenses **We** have incurred.

c) If **You** do not comply with clause a) of this condition and the non-disclosure or misrepresentation is not deliberate or reckless this policy may be affected in one or more of the following ways depending on what **We** would have done if **We** had known about the facts which **You** failed to disclose or misrepresented:

- i) if **We** would not have provided **You** with any cover **We** will have the option to:
 1. avoid the policy which means that **We** will treat it as if it had never existed and repay the premium paid; and
 2. recover from **You** any amount **We** have already paid for any claims including costs or expenses **We** have incurred
- ii) if **We** would have applied different terms to the cover **We** will have the option to treat this policy as if those different terms apply. **We** may recover any payments made by **Us** on claims which have already been paid to the extent that such claims would not have been payable had such additional terms been applied
- iii) if **We** would have charged **You** a higher premium for providing the cover **We** will charge **You** the additional premium which **You** must pay in full.

d) If any insured person, other than **You**, is responsible for a misrepresentation or failure to make a fair presentation of the risk, **We** will invoke the remedies available to **Us** under this condition as against that particular person as if a separate insurance contract had been issued to them leaving the remainder of the policy unaffected.

NB: For the purposes of the duty of disclosure stated in paragraphs a) i) and ii) above the content of the **Coal Mining Search Report** will be deemed to satisfy **Your** disclosure obligations.

Cover

1. **You** are in the process of purchasing the **Property** relying on the **Coal Mining Search Report** and/or
2. **You** (being a lender) have agreed to provide a **Mortgage** in connection with **Your** borrower's purchase or re-mortgage of the **Property** relying on the **Coal Mining Search Report**.

We will pay the following losses sustained by **You** arising out of the **Property** being affected by any matter which would have been revealed by a **Search** had one been carried out on the date of the **Coal Mining Search Report** but which was not revealed by the **Coal Mining Search Report**:

1. any reduction in **Market Value** of the **Property** calculated at the date **You** become aware of the matter(s) and/or loss in connection with a **Mortgage** as a result of such reduction.
2. all other costs and expenses including out of court settlement costs incurred by **Us** or by **You** with **Our** prior written agreement.

Waiver of Breach of Policy Condition

We will not exercise **Our** right to avoid **Our** liability to **You** in respect of loss where **You** have inadvertently breached any term or condition of the policy provided that such breach does not prejudice **Our** rights and remedies under the policy or otherwise directly or indirectly result in or increase the amount of any loss.

Protection for Mortgagees and Successors in Title

We will not avoid **Our** liability to make a payment to **You** solely because another person breaches the terms and conditions of this policy, provided such breach was not committed on **Your** behalf or with **Your** agreement, and **We** will invoke the remedies available to **Us** under the Policy as against that other person as if a separate insurance contract had been issued to them leaving the remainder of the policy unaffected.

Joint Insured

Any party insured under this policy standing in the relation of parent company, subsidiary company, associated company, branch office or joint venture partner to each other will be deemed to be joint insured for the purposes of this policy and jointly liable and responsible for any breach of any terms and conditions of this policy. If there is any inconsistency between this clause and any other term of this policy, this clause shall prevail.

Exclusions

We will not pay for any:

1. amount in excess of the **Limit of Indemnity**.
2. loss which would be recoverable under a household buildings insurance policy.
3. loss arising from any matter that **You** were aware of at the **Commencement Date**.
4. loss if the **Property** is used for any purpose other than the **Insured Use**.

Claims Conditions and How to Claim

1. **You** must:

- i) give **Us** written notice as soon as possible of any potential or actual claim or any circumstances likely to result in a claim. Please provide the policy number, **Your** name, the full address of the **Property** and a brief description of the incident that has occurred. Notifications should be sent to: Speciality Lines Claims Team, Zurich Insurance, 8th Floor, 70 Mark Lane, London, EC3R 7NQ. Email: claims@uk.zurich.com, Enquiry line: telephone 0207 648 3523
- ii) pass all court documents and/or other communications to **Us** as soon as possible after receipt
- iii) not deal with, make any admission of liability or attempt to settle a claim without **Our** prior written agreement.
- iv) agree to and carry out at **Our** expense all things necessary to minimise any loss.
- v) provide all information and assistance that **We** may require to help defend and settle the claim.

2. **We** are entitled to:

- i) decide how to settle or defend a claim and may carry out proceedings in the name of any person insured under this policy, including proceedings for recovering any claim.
- ii) pay to **You** at any time, an amount equal to the **Limit of Indemnity** or any lower amount for which the claim can be settled, after deduction of any sum already paid. **We** may then give up control of and have no further liability in connection with the claim.

3. If **We** admit liability for a claim but there is a dispute as to the amount to be paid the dispute will be referred to an arbitrator. The arbitrator will be appointed jointly by **You** and **Us** in accordance with the law at the time. **You** may not take any legal action against **Us** over the dispute before the arbitrator has reached a decision.

4. If **You** or anyone acting on **Your** behalf:



- a) makes a fraudulent or exaggerated claim under this policy; or
- b) uses fraudulent means or devices including the submission of false or forged documents in support of a claim whether or not the claim is itself genuine; or
- c) makes a false statement in support of a claim whether or not the claim is itself genuine; or
- d) submits a claim under this policy for loss or damage which **You** or anyone acting on **Your** behalf or in connivance with **You** deliberately caused; or
- e) realises after submitting what **You** reasonably believed was a genuine claim under this policy and then fails to tell **Us** that **You** have not suffered any loss or damage; or
- f) suppresses information which **You** know would otherwise enable **Us** to refuse to pay a claim under this policy

We will be entitled to refuse to pay the whole of the claim and recover any sums that **We** have already paid in respect of the claim.

If any fraud is perpetrated by or on behalf of an insured person and not on behalf of **You** this condition should be read as if it applies only to that insured person's claim and references to this policy should be read as if they were references to the cover effected for that person alone and not to the policy as a whole.

5. If any claim is covered by any other insurance, **We** will not pay for more than **Our** share of that claim.

6. The most **We** will pay for any loss (or all losses in the aggregate), including costs and expenses agreed by **Us** is the **Limit of Indemnity**. Once **We** have paid a loss or losses equal to the amount of the **Limit of Indemnity**, **We** will have no further liability under this policy.

General Conditions

1. Neither **You** (nor anyone acting on **Your** behalf) must disclose the existence of this policy to any other party except **Your** legal and other professional advisers, prospective purchasers, lessees and tenants of the **Property**, their respective mortgagees, legal and other professional advisers.

2. In the UK the law allows both **You** and **Us** to choose the law applicable to the contract. This contract will be subject to the relevant law of England and Wales, Scotland, Northern Ireland, the Isle of Man or the Channel Islands depending upon the **Property** address stated in the Schedule. If there is any dispute as to which law applies it will be English law. The parties agree to submit to the exclusive jurisdiction of the English courts.

3. Notwithstanding any other terms of this policy **We** will be deemed not to provide cover nor will **We** make any payment or provide any service or benefit to **You** or any other party to the extent that such cover, payment, service, benefit and/or any business or activity of **Yours** would violate any applicable trade or economic sanctions law or regulation.

Cancellation Clause

If **You** have taken out this policy for purposes which are wholly or mainly unrelated to **Your** trade, business or profession, **You** may cancel this policy within 14 days of receiving the policy by writing to **Us** and in such event **We** may, at **Our** discretion, charge **You** for the time that **You** have been on cover. Any refund will be made to the party who paid the premium. If **You** do cancel, **You** may be in breach of the terms of **Your** mortgage or the terms of the contract for the sale of **Your** property. If **You** are in doubt, **You** may wish to seek legal advice prior to cancellation.

Fair Processing and Complaints Procedure

Our Complaints Procedure

Our commitment to customer service

We are committed to providing a high level of customer service. If you feel we have not delivered this, we would welcome the opportunity to put things right for you.

Who to contact in the first instance

Many concerns can be resolved straight away. Therefore in the first instance, please get in touch with your usual contact at Zurich or your broker or insurance intermediary, as they will generally be able to provide you with a prompt response to your satisfaction.

Contact details will be provided on correspondence that we or our representatives have sent you.

Many complaints can be resolved within a few days of receipt

If we can resolve your complaint to your satisfaction within the first few days of receipt, we will do so. Otherwise, we will keep you

updated with progress and will provide you with our decision as quickly as possible.

Next steps if you are still unhappy

If you are not happy with the outcome of your complaint, you may be able to ask the Financial Ombudsman Service to review your case.

We will let you know if we believe the ombudsman service can consider your complaint when we provide you with our decision. The service they provide is free and impartial, but you would need to contact them within 6 months of the date of our decision.

More information about the ombudsman and the type of complaints they can review is available via their website www.financial-ombudsman.org.uk.

You can also contact them as follows:

Post: Financial Ombudsman Service, Exchange Tower, London, E14 9SR

Telephone: 08000 234567 (free on mobile phones and landlines)

Email: complaint.info@financial-ombudsman.org.uk

If the Financial Ombudsman Service is unable to consider your complaint, you may wish to obtain advice from the Citizens Advice Bureau or seek legal advice.

The Financial Services Compensation Scheme (FSCS)

We are covered by the Financial Services Compensation Scheme (FSCS) which means that you may be entitled to compensation if we are unable to meet our obligations to you. Further information is available on www.fscs.org.uk or by contacting the FSCS directly on 0800 678 1100.

How we use your information

Who controls your personal information

This notice tells you how Zurich Insurance plc ('Zurich'), as data controller, will deal with your personal information. Where Zurich introduces you to a company outside the group, that company will tell you how your personal information will be used.

You can ask for further information about our use of your personal information or complain about its use in the first instance, by contacting our Data Protection Officer at: Zurich Insurance Group, Tri-centre 1, Newbridge Square, Swindon, SN1 1HN or by emailing the Data Protection Officer at GBZ.General.Data.Protection@uk.zurich.com.

If you have any concerns regarding our processing of your personal information, or are not satisfied with our handling of any request by you in relation to your rights, you also have the right to make a complaint to the Information Commissioner's Office. Their address is: First Contact Team, Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, SK9 5AF.

What personal information we collect about you

We will collect and process the personal information that you give us by phone, e-mail, filling in forms, including on our website, and when you report a problem with our website. We also collect personal information from your appointed agent such as your trustee, broker, intermediary or financial adviser in order to provide you with the services you have requested and from other sources, such as credit reference agencies and other insurance companies, for verification purposes. We will also collect information you have volunteered to be in the public domain and other industry-wide sources. We will only collect personal information that we require to fulfil our contractual or legal requirements unless you consent to provide additional information. The type of personal information we will collect includes; basic personal information (i.e. name, address and date of birth), occupation and financial details, health and family information, claims and convictions information and where you have requested other individuals be included in the arrangement, personal information about those individuals.

If you give us personal information on other individuals, this will be used to provide you with a quotation and/or contract of insurance and/or provision of financial services. You agree you have their permission to do so. Except where you are managing the contract on another's behalf, please ensure that the individual knows how their personal information will be used by Zurich. More information about this can be found in the 'How we use your personal information' section.

How we use your personal information

We and our selected third parties will only collect and use your personal information (i) where the processing is necessary in connection with providing you with a quotation and/or contract of insurance and/or provision of financial services that you have requested; (ii) to meet our legal or regulatory obligations; or (iii) for our 'legitimate interests'. It is in our legitimate interests to collect

your personal information as it provides us with the information that we need to provide our services to you more effectively including providing you with information about our products and services. We will always ensure that we keep the amount of information collected and the extent of any processing to the absolute minimum to meet this legitimate interest. Examples of the purposes for which we will collect and use your personal information are:

1. to provide you with a quotation and/or contract of insurance;
2. to identify you when you contact us;
3. to deal with administration and assess claims;
4. to make and receive payments;
5. to obtain feedback on the service we provide to you;
6. to administer our site and for internal operations including troubleshooting, data analysis, testing, research, statistical and survey purposes;
7. for fraud prevention and detection purposes.

We will contact you to obtain consent prior to processing your personal information for any other purpose, including for the purposes of targeted marketing unless we already have consent to do so.

Who we share your personal information with

Where necessary, we will share the personal information you gave us for the purposes of providing you with the goods and services you requested with the types of organisations described below:

associated companies including reinsurers, suppliers and service providers;
introducers and professional advisers;
regulatory and legal bodies;
survey and research organisations;
credit reference agencies;
healthcare professionals, social and welfare organisations; and
other insurance companies

Or, in order to meet our legal or regulatory requirements, with the types of organisations described below:

regulatory and legal bodies;
central government or local councils;
law enforcement bodies, including investigators;
credit reference agencies; and
other insurance companies

How we use your personal information for websites and email communications

When you visit one of our websites we may collect information from you such as your email address or IP address. This helps us to track unique visits and monitor patterns of customer website traffic, such as who visits and why they visit.

We use cookies and/or pixel tags on some pages of our website. A cookie is a small text file sent to your computer. A pixel tag is an invisible tag placed on certain pages of our website but not on your computer. Pixel tags usually work together with cookies to assist us to provide you with a more tailored service. This allows us to monitor and improve our email communications and website. Useful information about cookies, including how to remove them, can be found on our websites.

How we transfer your personal information to other countries

Where we transfer your personal information to countries that are outside of the UK and the European Union (EU) we will ensure that it is protected and that the transfer is lawful. We will do this by ensuring that the personal information is given adequate safeguards by using 'standard contractual clauses' which have been adopted or approved by the UK and the EU, or other solutions that are in line with the requirements of European data protection laws.

A copy of our security measures for personal information transfers can be obtained from our Data Protection Officer at: Zurich Insurance Group, Tri-centre 1, Newbridge Square, Swindon, SN1 1HN, or by emailing the Data Protection Officer at GBZ.General.Data.Protection@uk.zurich.com.

How long we keep your personal information for

We will retain and process your personal information for as long as necessary to meet the purposes for which it was originally



collected. These periods of time are subject to legal, tax and regulatory requirements or to enable us to manage our business.

Your data protection rights

You have a number of rights under the data protection laws, namely:

- to access your data (by way of a subject access request);
 - to have your data rectified if it is inaccurate or incomplete;
 - in certain circumstances, to have your data deleted or removed;
 - in certain circumstances, to restrict the processing of your data;
 - a right of data portability, namely to obtain and reuse your data for your own purposes across different services;
 - to object to direct marketing;
 - not to be subject to automated decision making (including profiling), where it produces a legal effect or a similarly significant effect on you;
 - to claim compensation for damages caused by a breach of the data protection legislation.
- if we are processing your personal information with your consent, you have the right to withdraw your consent at any time.

We will, for the purposes of providing you with a contract of insurance, processing claims, reinsurance and targeted marketing, process your personal information by means of automated decision making and profiling where we have a legitimate interest or you have consented to this.

What happens if you fail to provide your personal information to us

If you do not provide us with your personal information, we will not be able to provide you with a contract or assess future claims for the service you have requested.

Fraud prevention and detection

In order to prevent and detect fraud we may at any time:

- check your personal data against counter fraud systems
- use your information to search against various publicly available and third party resources
- use industry fraud tools including undertaking credit searches and to review your claims history
- share information about you with other organisations including but not limited to the police, the Insurance Fraud Bureau (IFB), other insurers and other interested parties.

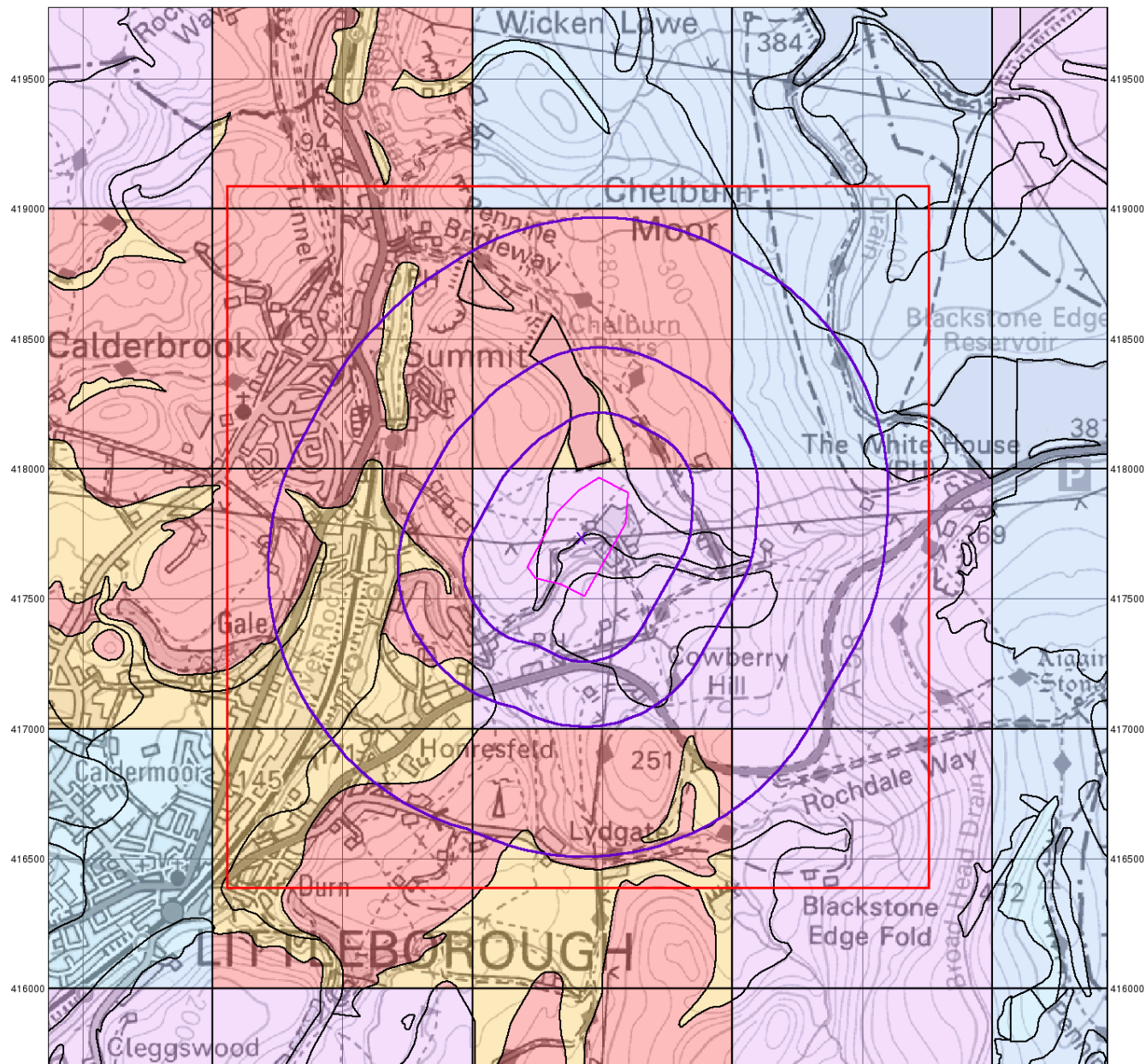
If you provide false or inaccurate information and fraud is identified, the matter will be investigated and appropriate action taken. This may result in your case being referred to the Insurance Fraud Enforcement Department (IFED) or other police forces and fraud prevention agencies. You may face fines or criminal prosecution. In addition, Zurich may register your name on the Insurance Fraud Register, an industry-wide fraud database.

Claims history

We may pass information relating to claims or potential claims to any relevant database. We and other insurers may search these databases when you apply for insurance, when claims or potential claims are notified to us or at time of renewal to validate your claims history or that of any other person or property likely to be involved in the policy or claim.

This helps to check information provided and prevent fraudulent claims.

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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

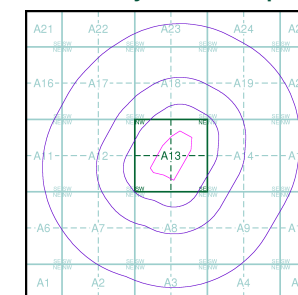
Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

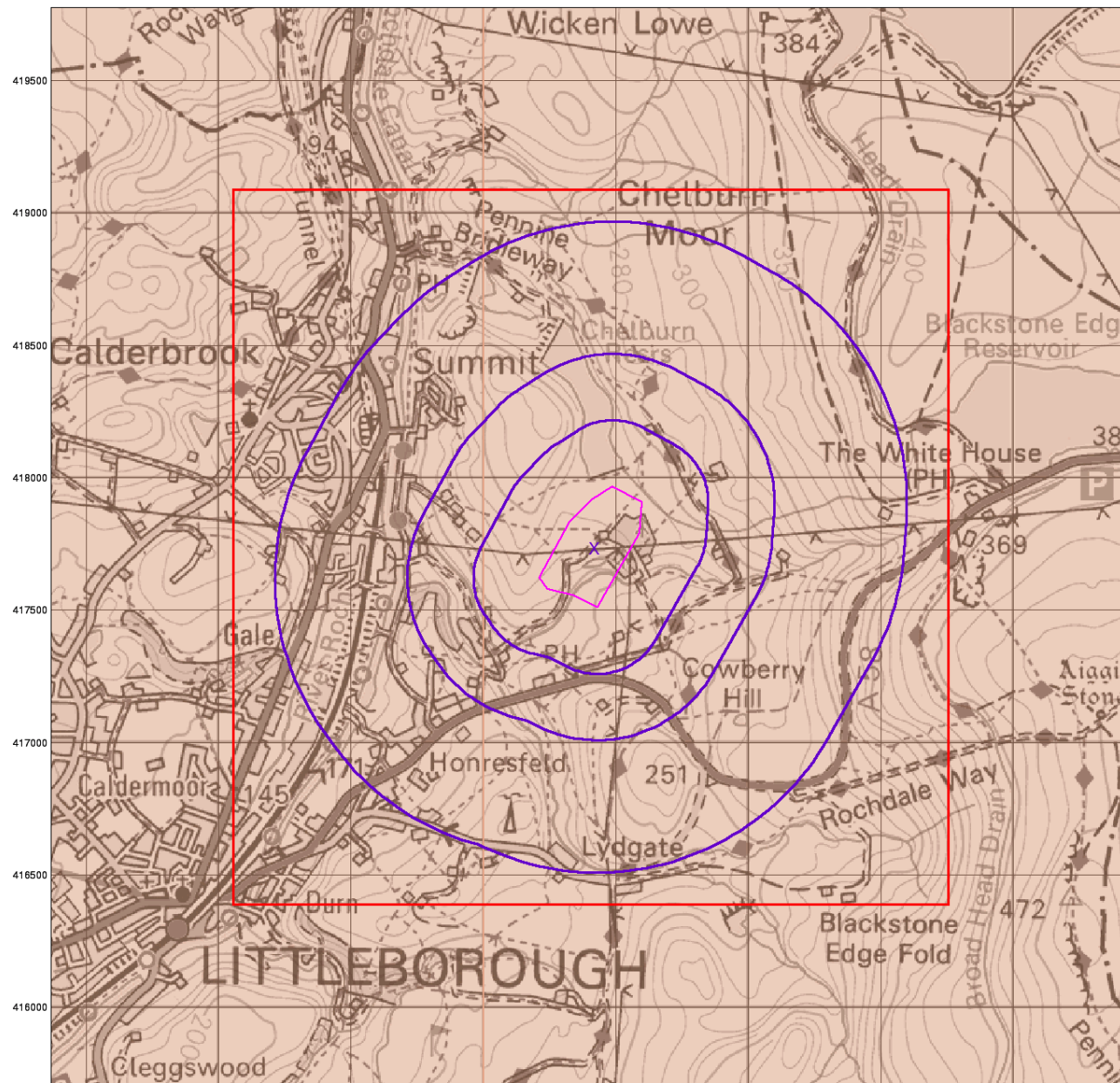
Site Details

Site at 395460, 417780

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Bedrock Aquifer Designation

General

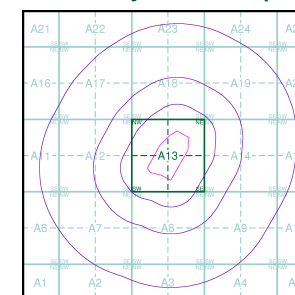
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

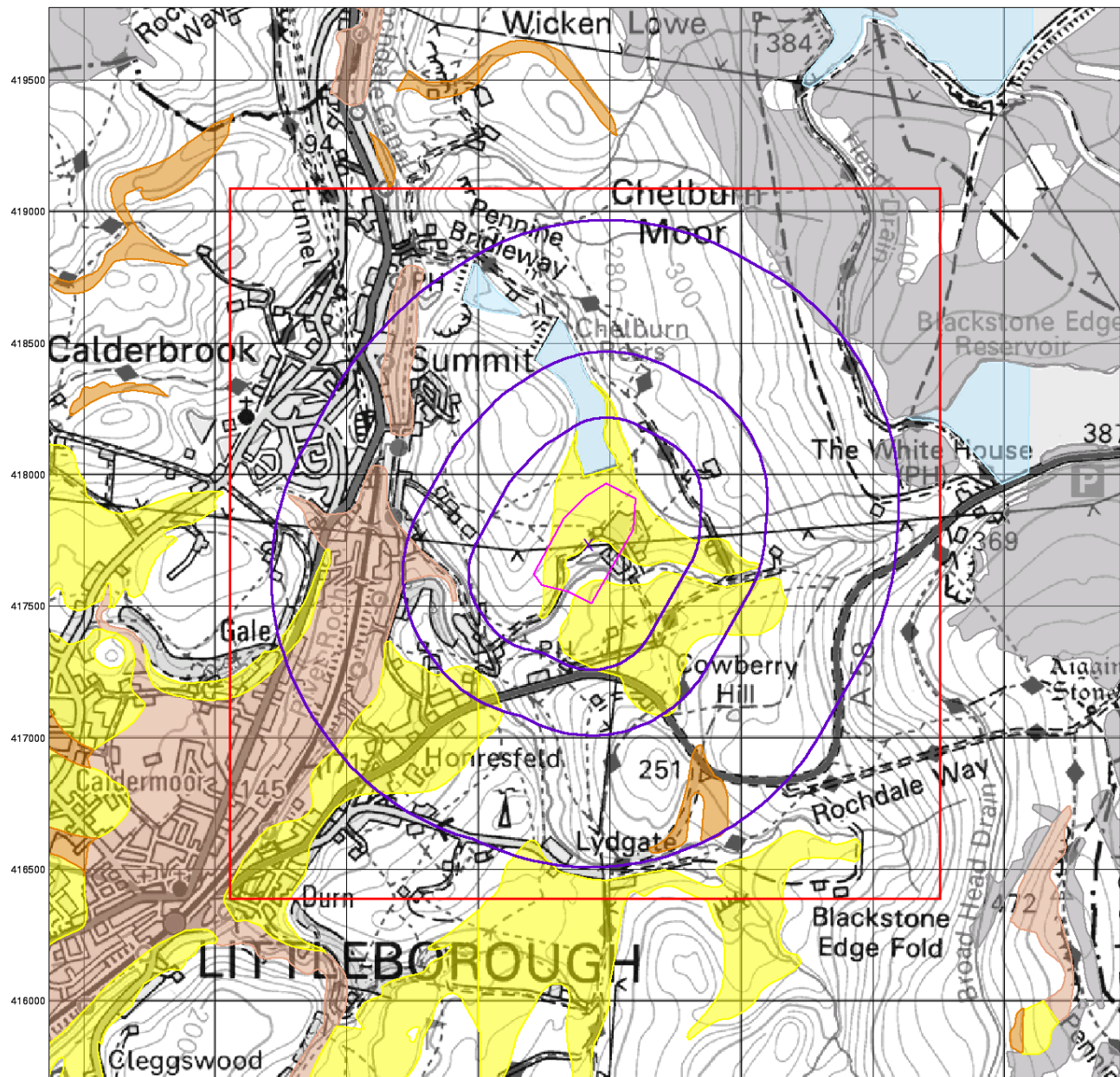
Site Details

Site at 395460, 417780

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Superficial Aquifer Designation

General

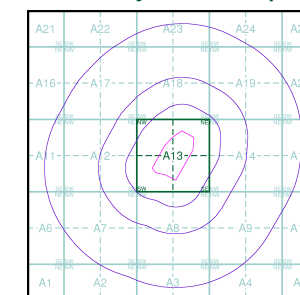
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

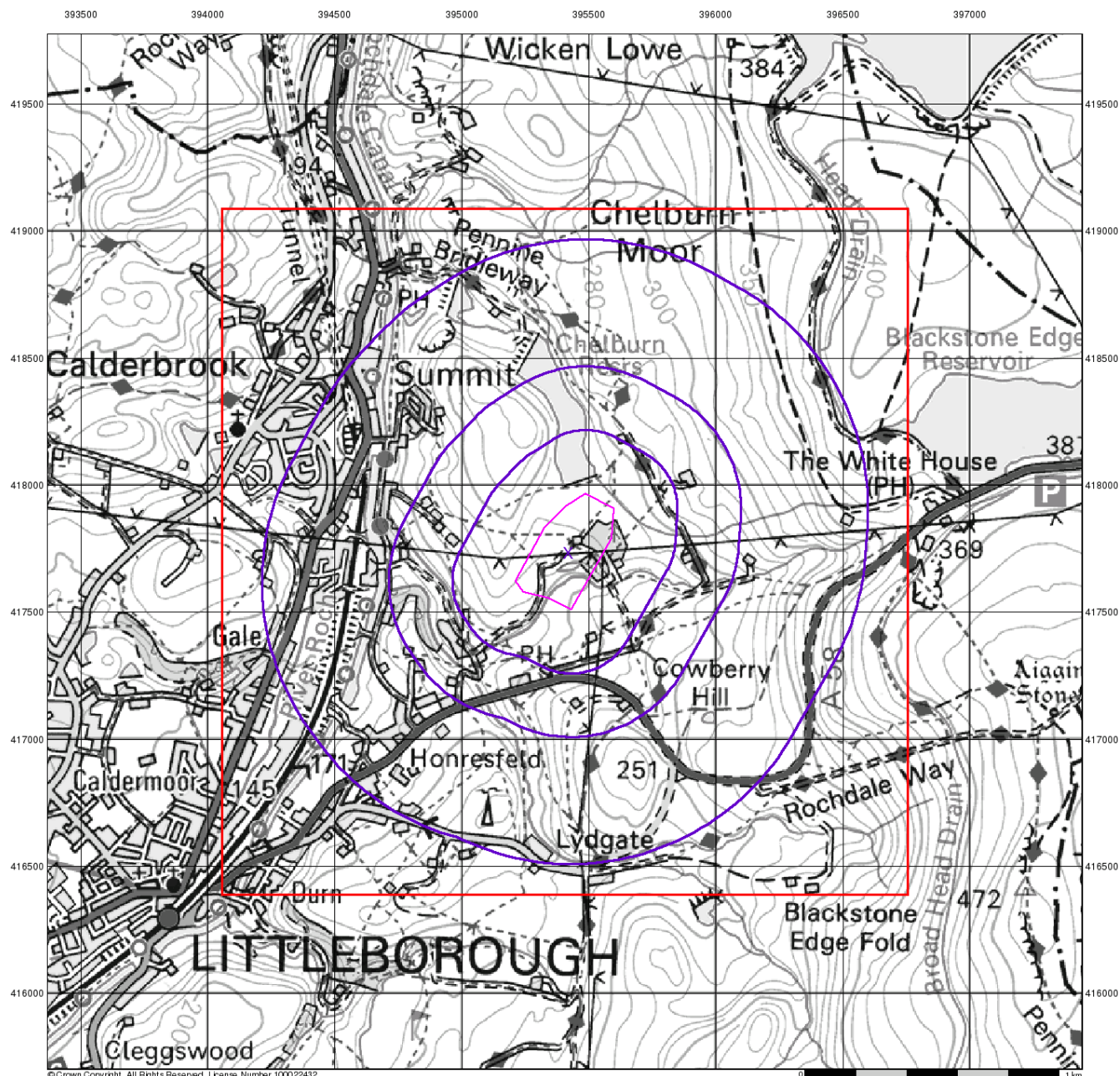
Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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Source Protection Zones

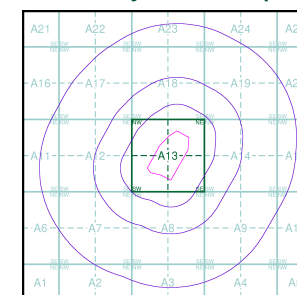
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

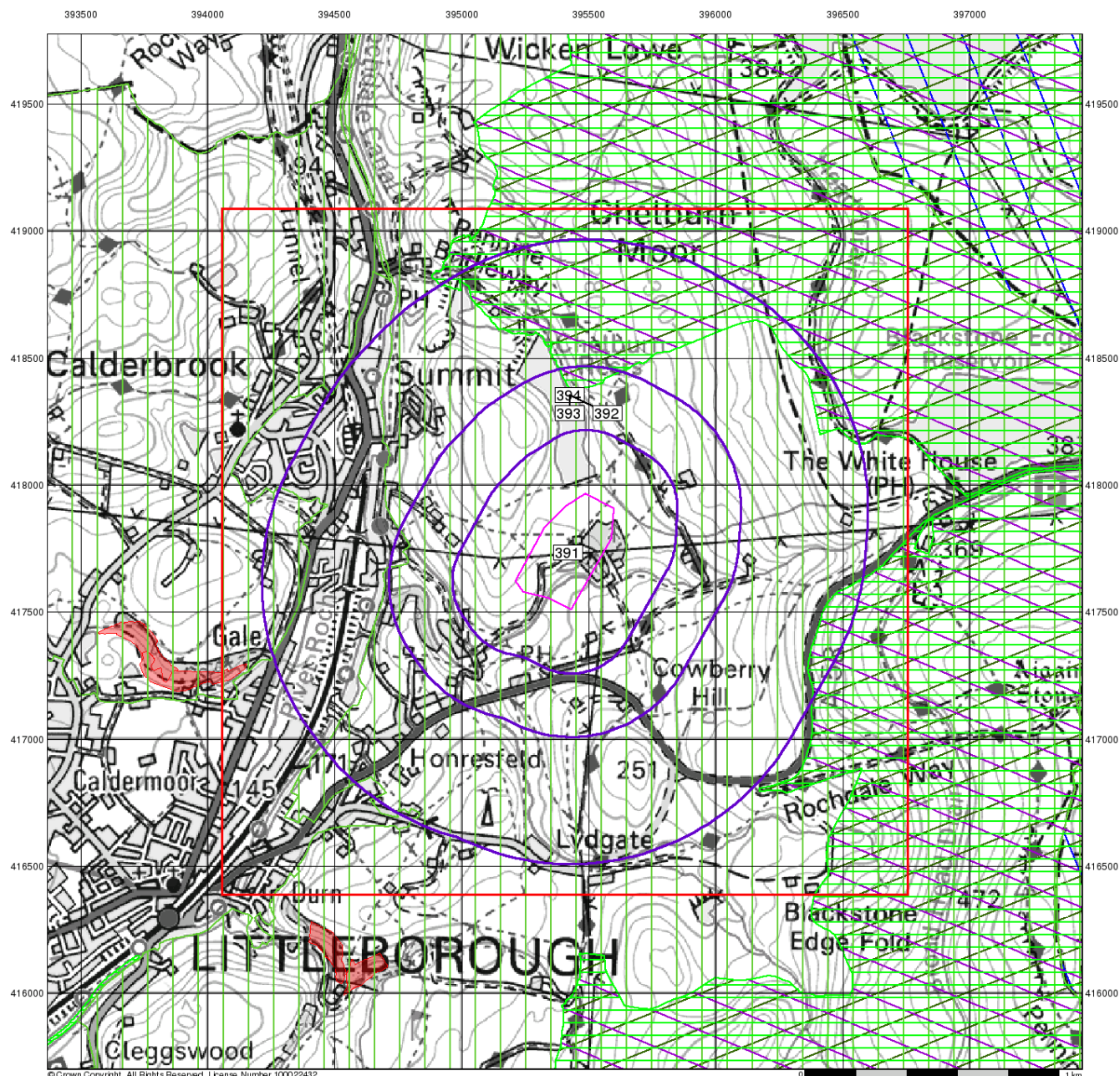
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 Customer Ref: UAA-FPC1003
 National Grid Reference: 395420, 417740
 Slice: A
 Site Area (Ha): 10.06
 Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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Sensitive Land Uses

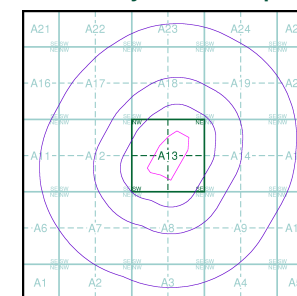
General

- 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

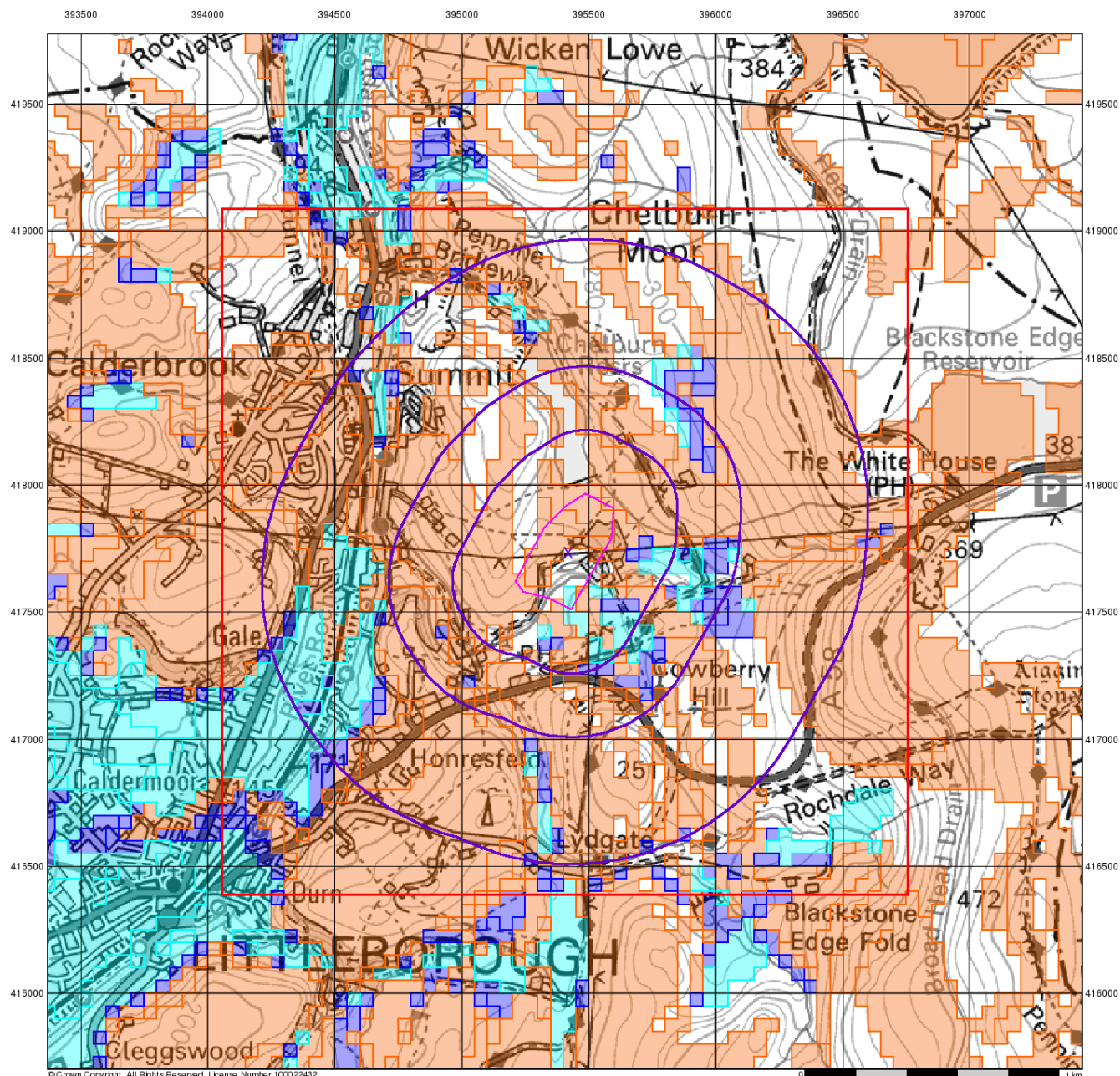
Order Number: 329558604_1_1
 Customer Ref: UAA-FPC1003
 National Grid Reference: 395420, 417740
 Slice: A
 Site Area (Ha): 10.06
 Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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BGS Flood GFS Data

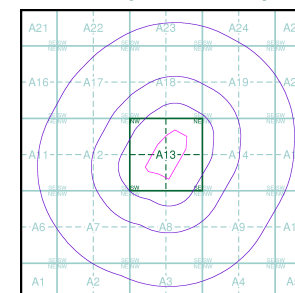
General

- ◆ Specified Site
- Specified Buffer(s)
- X 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

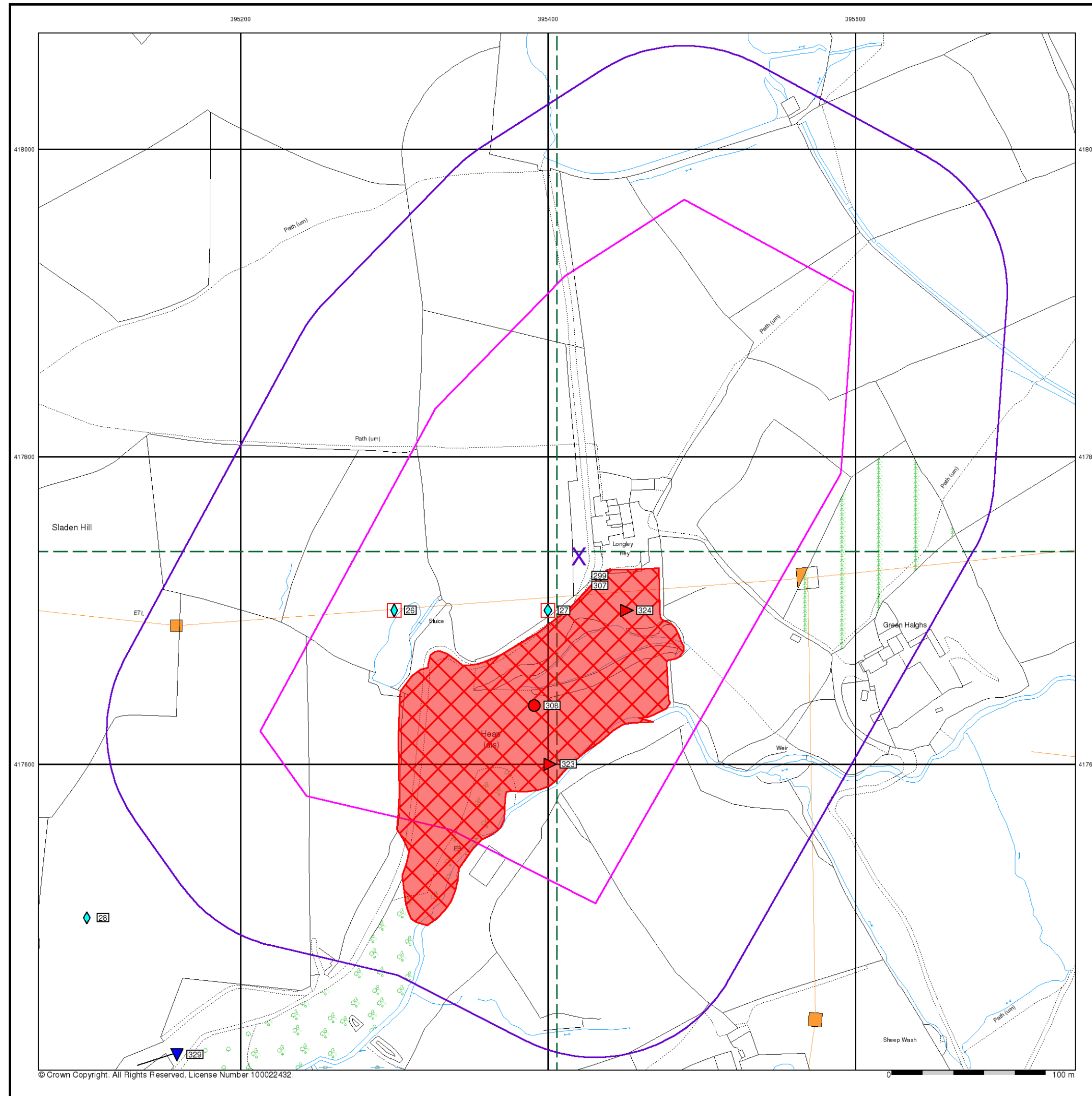
Order Number: 329558604_1_1
 Customer Ref: UAA-FPC1003
 National Grid Reference: 395420, 417740
 Slice: A
 Site Area (Ha): 10.06
 Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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General

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

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
- 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

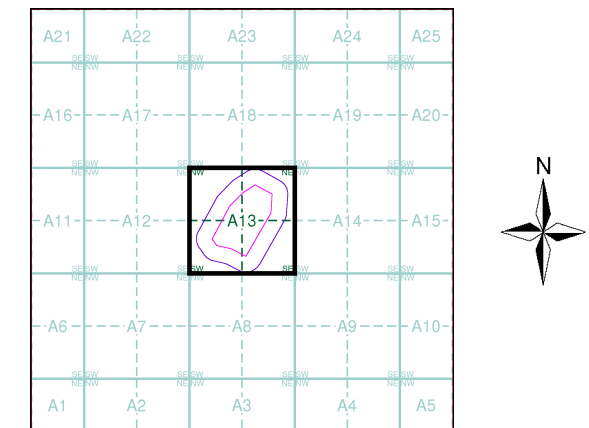
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details
Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Plot Buffer (m): 100

Site Details
Site at 395460, 417780

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

329558604_1_1

Customer Reference:

UAA-FPC1003

National Grid Reference:

395420, 417740

Slice:

A

Site Area (Ha):

10.06

Search Buffer (m):

1000

Site Details:

Site at 395460, 417780

Client Details:

Mr U Antia
UA Antia (UK) Ltd
Office 1, The Enterprise Centre
34 Benchill Road
Manchester
M22 8LF

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	53
Hazardous Substances	-
Geological	59
Industrial Land Use	79
Sensitive Land Use	85
Data Currency	86
Data Suppliers	92
Useful Contacts	93

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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Radon Potential dataset Copyright Notice

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 5				7
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 7			1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7	Yes			
Pollution Incidents to Controlled Waters	pg 8			2	18
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 11		1		3
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 12				1
Substantiated Pollution Incident Register	pg 12			1	
Water Abstractions	pg 13	6	1		4 (*24)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 21	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 22	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 22	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 22	5	61	46	154

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 53			1	
Historical Landfill Sites	pg 53	1		4	3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 54	1			
Licensed Waste Management Facilities (Locations)	pg 55	1			
Local Authority Landfill Coverage	pg 55	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 55		1	2	10
Potentially Infilled Land (Water)	pg 56		1		
Registered Landfill Sites	pg 56	2		3	1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 59	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 59	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 71		1	2	21
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 75	Yes	n/a	n/a	n/a
Mining Instability	pg 76	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 76	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 76	Yes	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 76	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 77	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 77	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 78	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 79			1	12
Fuel Station Entries					
Points of Interest - Commercial Services	pg 80				2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 80		2	7	17
Points of Interest - Public Infrastructure	pg 82	3	5	3	12
Points of Interest - Recreational and Environmental	pg 84				1
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 85	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 85			1	
Special Areas of Conservation	pg 85			1	
Special Protection Areas	pg 85			1	
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	0	1	395550 417900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	0	1	395500 417735
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	0	1	395450 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	395420 417800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	395500 417950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	0	1	395300 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	395420 417750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	0	1	395500 417750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	0	1	395400 417550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	0	1	395420 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	0	1	395500 417800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	2	1	395600 417900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	2	1	395600 417750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	16	1	395500 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	72	1	395650 417735
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	76	1	395400 418000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	84	1	395550 417550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	90	1	395350 417450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	92	1	395500 417450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	103	1	395600 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	109	1	395700 417735
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	109	1	395550 417500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	110	1	395420 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	114	1	395400 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	121	1	395650 417650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	126	1	395600 418050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	130	1	395500 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	135	1	395350 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	140	1	395700 417700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	146	1	395650 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	163	1	395400 417350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	185	1	395200 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	193	1	395550 418150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	202	1	395300 417350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	203	1	395400 418150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	210	1	395420 417300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	211	1	395450 417300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	212	1	395400 417300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	213	1	395000 417735
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	214	1	395600 418150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	221	1	395500 417300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	233	1	395600 417350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	233	1	395450 418200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	239	1	395700 417500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	248	1	395150 417350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	259	1	395850 417750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	260	1	395250 417300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	263	1	395850 417735
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	270	1	395600 417300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	273	1	394950 417550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	276	1	395800 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	286	1	395550 417250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	302	1	395000 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	310	1	395600 417250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	314	1	394950 417450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	314	1	395700 417350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	314	1	394900 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	321	1	394900 417550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	332	1	395550 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NW (SE)	332	1	395750 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A19SW (NE)	350	1	395850 418150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NW (SE)	357	1	395750 417350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	358	1	395900 418100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	358	1	395950 417750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	361	1	395350 418300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	362	1	395950 417735

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	363	1	394850 417650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	376	1	395800 417400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	380	1	395650 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	380	1	395950 418050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	382	1	395750 417300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	382	1	395050 417250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	383	1	395450 418350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	385	1	395420 418350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	388	1	395900 417550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	391	1	395150 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A19SW (NE)	398	1	395800 418250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	406	1	395100 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	407	1	395950 417600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	410	1	395000 417250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	411	1	395700 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	412	1	396000 418000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (SE)	413	1	395900 417500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	423	1	395000 418100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	425	1	395850 418250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	426	1	395050 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	427	1	395950 418150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	427	1	395300 418350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	431	1	395950 417550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	442	1	395400 418400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	442	1	395800 418300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	445	1	395750 417200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	453	1	395100 417150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	456	1	395050 418200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	457	1	395900 418250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	458	1	396050 417750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A19SW (NE)	461	1	395750 418350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	462	1	396050 417735
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	467	1	395850 418300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	471	1	395050 417150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	488	1	395150 417100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	494	1	395250 418400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SW (S)	494	1	395250 417050
1	Discharge Consents Operator: J Murphy & Sons Limited Property Type: SPECIALISED CONSTRUCTION/DEMOLITION/PAINTING/JOINERY Location: Littleborough Culvert Todmorden Road, Gale, Littleborough, Rochdale, OL15 9er Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprvb3290ee Permit Version: 1 Effective Date: 17th September 2021 Issued Date: 17th September 2021 Revocation Date: 8th March 2022 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Greenvale Brook And River Roch Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	625	2	394589 417582

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Volkerstevin Infrastructure Limited Property Type: Remediation Activities/Other Waste Management Services Location: Gale End West Todmorden Road, Caldermoor, Rochdale, Greater Manchester, OI15 9af Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprzb3392wr Permit Version: 1 Effective Date: 14th March 2023 Issued Date: 14th March 2023 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	636	2	394589 417500
3	Discharge Consents Operator: Volkerstevin Infrastructure Limited Property Type: Remediation Activities/Other Waste Management Services Location: Gale End West Todmorden Road, Caldermoor, Rochdale, Greater Manchester, OI15 9af Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprzb3392wr Permit Version: 1 Effective Date: 14th March 2023 Issued Date: 14th March 2023 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	813	2	394407 417516
3	Discharge Consents Operator: J Murphy & Sons Limited Property Type: SPECIALISED CONSTRUCTION/DEMOLITION/PAINTING/JOINERY Location: Littleborough Culvert Todmorden Road, Gale, Littleborough, Rochdale, OI15 9er Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprvb3290ee Permit Version: 1 Effective Date: 17th September 2021 Issued Date: 17th September 2021 Revocation Date: 8th March 2022 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Greenvale Brook And River Roch Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	814	2	394406 417514
4	Discharge Consents Operator: Volkerstevin Infrastructure Limited Property Type: Remediation Activities/Other Waste Management Services Location: Gale End West Todmorden Road, Caldermoor, Rochdale, Greater Manchester, OI15 9af Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprzb3392wr Permit Version: 1 Effective Date: 14th March 2023 Issued Date: 14th March 2023 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NW (W)	842	2	394416 417351

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Mr A. Kelly Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Lydiate Mill Blackstone Edge Old Road, Littleborough, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Upper Mersey Reference: 016992497 Permit Version: 1 Effective Date: 20th August 1992 Issued Date: Not Supplied Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lydgate Clough Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A3NE (S)	913	2	395500 416600
6	Discharge Consents Operator: Volkerstevin Infrastructure Limited Property Type: Remediation Activities/Other Waste Management Services Location: Gale End West Todmorden Road, Caldermoor, Rochdale, Greater Manchester, OL15 9af Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprzb3392wr Permit Version: 1 Effective Date: 14th March 2023 Issued Date: 14th March 2023 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A6NE (W)	921	2	394330 417359
7	Prosecutions Relating to Controlled Waters Location: Lydgate Brook, Lydgate Brook, Halifax Road, LITTLEBOROUGH, Lancashire, OL15 0LB Prosecution Text: An Electrical Failure At Effluent Pumping Station Resulted In Dye Entering Brook Prosecution Act: Wra91 S85(1) 85(6) Hearing Date: 26th June 2002 Verdict: Guilty Fine: 4000 Cost: 5256.95 Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	338	2	394946 417414
8	Local Authority Pollution Prevention and Controls Name: C Smith & Sons Location: Sladen Fold Farm, Lightowlers Lane, Summit, LITTLEBOROUGH, Lancashire, OL15 0LP Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 70/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A12NE (W)	400	3	394891 417866
9	Local Authority Pollution Prevention and Controls Name: Tygaflor Ltd Location: Todmorden Road, Summit, LITTLEBOROUGH, Lancashire, OL15 0LT Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 31 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	801	3	394431 417796
	Nearest Surface Water Feature	A13SW (W)	0	-	395329 417707

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Pumping Station Location: River Roach At , J Halifax , Todmorden Road; Littleborough Bridge Authority: Environment Agency, North West Region Pollutant: Other Sewage Note: Not Supplied Incident Date: 17th August 1998 Incident Reference: SO981472 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	384	2	394900 417400
10	Pollution Incidents to Controlled Waters Property Type: Manufacturing: Textile Manufacture Location: Lydgate Brook, Littleborough, LIITTLEBOROUGH, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Not Supplied Incident Date: 15th July 1999 Incident Reference: 30185 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Containment Failure : Culvert / Screen Blockage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	387	2	394900 417395
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Luzley Brook; Trade Effluent Incident Date: 16th April 1996 Incident Reference: 96620794 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	501	2	395100 417100
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Lydgate Brook Incident Date: 20th February 1995 Incident Reference: 95620358 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	514	2	394700 417600
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Lydgate Brook Incident Date: 6th June 1994 Incident Reference: 94621225 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	519	2	394700 417700
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: Luzley Brook; Textile Effluent Incident Date: 21st May 1996 Incident Reference: 96621105 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	637	2	394600 417795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Ludgate Brook Incident Date: 21st March 1995 Incident Reference: 95620575 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	639	2	394600 417800
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Grove Lodge; No Pollution Found Incident Date: 2nd November 1995 Incident Reference: 95622692 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	712	2	394505 417695
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Grove Lodge; Detergent Incident Date: 11th April 1996 Incident Reference: 96620891 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	717	2	394500 417695
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Grove Lodge Incident Date: 1st May 1995 Incident Reference: 95620975 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	717	2	394500 417700
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: None Affected; Natural Scum Incident Date: 5th September 1996 Incident Reference: 96621974 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	713	2	395500 416800
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Foam Reported Incident Date: 10th April 1996 Incident Reference: 96620731 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	735	2	394500 417800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: River Roch Incident Date: 30th March 1995 Incident Reference: 95620656 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	807	2	394500 418000
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: River Roch Incident Date: 7th June 1995 Incident Reference: 95621360 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	815	2	394600 418200
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Grove Village Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Roch Turned White With Soap Suds Incident Date: 30th November 1998 Incident Reference: SO982066 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	816	2	394400 417695
20	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Roch Incident Date: 16th August 1994 Incident Reference: 94621870 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	817	2	394400 417700
21	Pollution Incidents to Controlled Waters Property Type: WSC Sewage, Sewerage & Supply: Anglian Water Limited Location: River Roch, Off Todmorden Road, Near Rochdale Council Estate, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 24th September 1999 Incident Reference: 32753 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	831	2	394400 417795
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary River Roch; No Pollution Found Incident Date: 30th September 1995 Incident Reference: 95622432 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	833	2	394400 417800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Lydgate, LITTLEBOROUGH Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Dyestuffs Note: Not Supplied Incident Date: 16th April 1999 Incident Reference: 1421 Catchment Area: Lydgate Brook Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	874	2	394400 417300
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Luzley Brook; No Pollution Found Incident Date: 16th April 1995 Incident Reference: 95620836 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3NE (S)	926	2	395600 416600
	River Quality Name: Lydgate Bk GQA Grade: River Quality A Reach: Qsl At Lydgate Mill To Ochre Strm Estimated Distance (km): 1.9 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A12SE (SW)	240	2	394990 417533
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Qsl At Summit To Empress Processing Estimated Distance (km): 27.6 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A12NW (W)	599	2	394683 417947
	River Quality Name: Roch GQA Grade: River Quality B Reach: Summit To Akzo Chemie Estimated Distance (km): 3.3 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A17SW (NW)	725	2	394699 418233
	River Quality Name: Roch GQA Grade: River Quality A Reach: Qsl At Chelburn Resvr. Trib To Summit Estimated Distance (km): 1.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A17SE (NW)	748	2	394755 418314

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	River Quality Chemistry Sampling Points Name: Lydgate Brook Reach: QSI At Lydgate Mill To Ochre Stream Estimated Distance: 1.90 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A12SW (W)	677	2	394554 417467
25	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 6th June 2001 Incident Reference: 7848 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A12SE (SW)	329	2	394901 417519

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1136 Yearly Rate (m3): 181840 Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	0	2	395300 417700
26	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	0	2	395300 417700
26	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	0	2	395300 417700
27	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	0	2	395400 417700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	0	2	395400 417700
27	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	0	2	395400 417700
28	Water Abstractions Operator: Alderburgh Limited Licence Number: 2569002065 Permit Version: Not Supplied Location: Reservoir Fed By Surface Drainage, LITTLEBOROUGH, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 68 Yearly Rate (m3): 18752 Details: Additional Purpose: Boiler feed; 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	A13SW (SW)	163	2	395100 417500
29	Water Abstractions Operator: Canal And River Trust Licence Number: Nw/069/0002/012 Permit Version: 1 Location: Canal Feeder At Lydgate Brook Authority: Environment Agency, North West Region Abstraction: Navigation: Supply to a Canal for Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st March 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	501	2	394713 417585

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Water Abstractions Operator: J. Murphy & Sons Limited Licence Number: Nw/069/0002/016 Permit Version: 1 Location: Underground Strata Of Alluvium Desposits At Gale Authority: Environment Agency, North West Region Abstraction: Other Environmental Improvements: Dewatering Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 October Authorised End: 31 January Permit Start Date: 1st October 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	718	2	394501 417529
31	Water Abstractions Operator: Courtaulds Advanced Materials Licence Number: 2569002004 Permit Version: Not Supplied Location: Reservoir Fed By Surface Drainage, LITTLEBOROUGH, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 104 Yearly Rate (m3): 29550 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	A17SW (NW)	843	2	394700 418395
31	Water Abstractions Operator: Courtaulds Advanced Materials (Holdings)Limited Licence Number: 111 Permit Version: Not Supplied Location: Premises, LITTLEBOROUGH, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 104000 Yearly Rate (m3): 29550000 Details: Reservoir Fed By Surface Drainage; Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	847	2	394700 418400
	Water Abstractions Operator: Mr E Harrison Licence Number: 2569002062 Permit Version: 100 Location: Brick Lined Catchpit At Higher Gale, Gale, Littleborough Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 996 Details: Lower Town House Farm, Gale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NE (W)	1159	2	394100 417300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Walsden Printing Co Ltd Licence Number: 2569002240 Permit Version: 100 Location: Town House Brook And Gale House Reservoir Overflow \$111 Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Gale Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NE (W)	1177	2	394110 417210
	Water Abstractions Operator: E T Rigg Licence Number: 2569002158 Permit Version: 100 Location: Springs (2) At Wilmers Farm, Littleborough Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Wilmers Farm, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1199	2	394600 418800
	Water Abstractions Operator: Mr N Marney Licence Number: 2569002252 Permit Version: 100 Location: Borehole At The White House Inn , Littleborough Authority: Environment Agency, North West Region Abstraction: Hotels; Public Houses And Conference Centres: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 18 Yearly Rate (m3): 6637 Details: The White House Inn Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd April 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NE (E)	1202	2	396800 417900
	Water Abstractions Operator: Calderbrook Jute Co Licence Number: 2569002234 Permit Version: 100 Location: Mill Reservoir At Calderbrook, Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 36 Yearly Rate (m3): 18184 Details: Land At Stansfield Mill, Littleboro Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th November 1986 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SE (W)	1212	2	394100 418100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Harold Howarth Licence Number: 2569002215 Permit Version: 100 Location: Catchpit At Higher Gale, Gale, Near Littleborough Authority: Environment Agency, North West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 45 Yearly Rate (m3): 1659 Details: Premises At Gale, Nr Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th February 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NW (W)	1284	2	394000 417200
	Water Abstractions Operator: E T Rigg Licence Number: 2569002158 Permit Version: 100 Location: Springs (2) At Wilmers Farm, Littleborough Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 166 Details: Wilmers Farm, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1340	2	394500 418900
	Water Abstractions Operator: Walsden Printing Co Ltd Licence Number: 2569002240 Permit Version: 100 Location: Town House Brook And Gale House Reservoir Overflow At Li Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 104560 Details: Land At Gale Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6NW (W)	1484	2	393800 417170
	Water Abstractions Operator: Walsden Printing Co Ltd Licence Number: 2569002240 Permit Version: Not Supplied Location: Town House Brook , And Gale House Reservoir , Overflow At, LITTLEBOROUGH Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 104560 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	A6NW (W)	1506	2	393800 417100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Whittaker Estate Company Ltd. Licence Number: 2569002231 Permit Version: 101 Location: Shore Lane Brk At Littleborough, Lancs Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Whittaker Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1610	2	395400 415900
	Water Abstractions Operator: Whittaker Golf Club Licence Number: 2569002231 Permit Version: 100 Location: Shore Lane Brk At Littleborough, Lancs Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 5 Yearly Rate (m3): 295 Details: Land At Whittaker Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd May 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1610	2	395400 415900
	Water Abstractions Operator: Gb Services Licence Number: 2/27/12/163 Permit Version: 102 Location: Spring - Millstone Grit-Littleborough 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: Red Lees Works, Littleborough, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1795	2	394400 419400
	Water Abstractions Operator: Rudge Storage & Distribution Licence Number: 2/27/12/163 Permit Version: 101 Location: Spring - Millstone Grit-Littleborough 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: Red Lees Works, Littleborough, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1795	2	394400 419400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Blagden Campbell Chemicals Ltd Licence Number: 2/27/12/163 Permit Version: 100 Location: Spring - Millstone Grit - Littleborough 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): 36 Yearly Rate (m3): 9092 Details: Red Lees Chemical Works, Littleborough, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th January 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1795	2	394400 419400
	Water Abstractions Operator: Fothergill Engineered Fabrics Ltd Licence Number: 2569002136 Permit Version: 101 Location: Shore Lane Brk At Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ealees Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1837	2	394500 415900
	Water Abstractions Operator: Fothergill Engineered Fabrics Ltd Licence Number: 2569002136 Permit Version: 101 Location: Shore Lane Brk At Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ealees Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1837	2	394500 415900
	Water Abstractions Operator: Fothergill Engineered Fabrics Ltd Licence Number: 2569002136 Permit Version: 100 Location: Shore Lane Brk At Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 35641 Details: Ealees Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1837	2	394500 415900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Fothergill Engineered Fabrics Ltd Licence Number: 2569002136 Permit Version: 100 Location: Shore Lane Brk At Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ealees Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(SW)	1837	2	394500 415900
	Water Abstractions Operator: Whittaker Estate Company Ltd. Licence Number: 2569002230 Permit Version: 101 Location: Unnamed Watercourse At Whittaker Golf Club, Littleborough Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Whittaker Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1860	2	394700 415800
	Water Abstractions Operator: Whittaker Golf Club Licence Number: 2569002230 Permit Version: 100 Location: Unnamed Watercourse At Whittaker Golf Club, Littleborough Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 5 Yearly Rate (m3): 295 Details: Land At Whittaker Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd May 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1860	2	394700 415800
	Water Abstractions Operator: Todmorden Anglers Society Licence Number: 2569002271 Permit Version: 5 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th December 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1926	2	393300 417400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr R Barber Licence Number: 2569002271 Permit Version: 4 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd January 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1926	2	393300 417400
	Water Abstractions Operator: R Barber Licence Number: 2569002271 Permit Version: 3 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1926	2	393300 417400
	Water Abstractions Operator: Littleborough Angling Society Licence Number: 2569001244 Permit Version: 100 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Amenity: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th July 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1926	2	393300 417400
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data	A13SE (S)	0	4	395450 417599

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data	A13SE (SW)	0	4	395420 417735
	Groundwater Vulnerability Map 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: >550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: No Data	A13SE (SE)	0	4	395420 417735
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SW)	0	4	395420 417735
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (SW)	0	4	395420 417735
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (S)	0	4	395450 417599
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 350.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	0	5	395453 417629
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	0	5	395486 417673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 46.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	0	5	395445 417676
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (W)	0	5	395328 417707
36	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	0	5	395310 417684
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	21	5	395453 417978
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (W)	27	5	395234 417731
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (NE)	35	5	395614 417939
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: Underground Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (NE)	36	5	395613 417940
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (NE)	36	5	395611 417942
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (NE)	48	5	395597 417962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (NE)	49	5	395595 417965
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	53	5	395541 417598
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 434.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	53	5	395541 417598
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (NE)	81	5	395566 418018
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	82	5	395364 417447
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (NE)	85	5	395561 418025
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NE (NE)	98	5	395573 418033
50	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 30.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A13NE (N)	98	5	395543 418049
51	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A13NE (N)	100	5	395516 418063

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 218.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A13NE (N)	100	5	395516 418063
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	103	5	395698 417857
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	105	5	395310 417453
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (N)	109	5	395544 418061
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (E)	121	5	395715 417849
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (E)	123	5	395718 417848
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: Underground Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (E)	127	5	395722 417852
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A13NE (E)	129	5	395723 417851
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	130	5	395583 418063

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	130	5	395583 418063
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	138	5	395596 418065
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	151	5	395617 418069
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	152	5	395669 417621
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	152	5	395669 417621
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	158	5	395570 418103
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	169	5	395247 417406
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	169	5	395247 417406
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	182	5	395443 417329

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	188	5	395219 417393
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	189	5	395205 417394
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	189	5	395201 417396
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	193	5	395193 417393
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	194	5	395211 417388
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	194	5	395211 417388
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	195	5	395739 417657
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	195	5	395739 417657
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	197	5	395207 417386

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	198	5	395184 417391
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	199	5	395213 417382
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	202	5	395794 417807
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	202	5	395794 417807
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	203	5	395211 417379
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	203	5	395177 417388
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	206	5	395798 417807
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	207	5	395799 417809
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	217	5	395196 417368

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	219	5	395327 417317
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	223	5	395190 417363
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	223	5	395152 417377
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	228	5	395146 417374
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	232	5	395140 417371
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	234	5	395698 418119
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	235	5	395155 417362
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	235	5	395155 417362
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	241	5	395132 417367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	250	5	395707 418132
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13SE (SE)	254	5	395685 417436
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 593.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	254	5	395710 418136
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	254	5	395846 417796
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	257	5	395129 417350
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	258	5	395849 417796
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	260	5	395112 417356
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NW (SW)	265	5	395103 417355
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12SE (W)	267	5	394952 417562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12SE (SW)	274	5	395032 417406
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12SE (SW)	274	5	395032 417406
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SW (E)	277	5	395817 417629
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	277	5	395817 417629
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: Underground Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	282	5	395873 417790
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.1 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12SE (SW)	283	5	394987 417451
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	285	5	395876 417790
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	289	5	395880 417789
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 285.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	290	5	395739 417466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 222.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	290	5	395827 417621
116	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 273.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A18SE (N)	291	5	395450 418255
117	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 64.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A18SE (N)	291	5	395450 418255
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	294	5	395884 417788
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	295	5	395886 417788
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	295	5	395886 417788
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 247.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	303	5	395515 418269
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	306	5	395115 417303
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 263.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	312	5	394904 417579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	320	5	395103 417292
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 305.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	325	5	394903 417525
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	325	5	394903 417525
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	326	5	394894 417551
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12SE (W)	332	5	394885 417672
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12SE (W)	337	5	394881 417677
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	352	5	395024 417304
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 301.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A9NW (SE)	377	5	395748 417304
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	406	5	395727 417232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	408	5	395131 417188
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 459.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A14NW (E)	420	5	396011 417799
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A8NW (SW)	427	5	395099 417178
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (SW)	450	5	395160 417137
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 435.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	459	5	396012 417608
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	466	5	395742 417163
139	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	470	5	394745 417579
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A8NW (S)	473	5	395161 417108
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8NW (S)	484	5	395207 417081

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SW (W)	495	5	394720 417583
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A12SW (W)	495	5	394720 417583
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: Underground Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	510	5	395185 417063
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 221.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	515	5	395193 417052
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.5 Watercourse Level: Underground Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A12SW (W)	517	5	394698 417579
147	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 72.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	522	5	394688 417652
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	522	5	395948 417363
149	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 191.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	524	5	394690 417592
150	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	529	5	394686 417664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	532	5	395761 417094
152	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 139.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	534	5	394683 417689
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 428.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A12SW (W)	538	5	394676 417582
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 311.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A9NW (SE)	539	5	395964 417357
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 147.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	539	5	395964 417357
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SW (S)	542	5	395238 417003
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12NW (W)	550	5	394726 417878
158	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 78.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A18NW (N)	555	5	395323 418497
159	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 68.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A18NW (N)	555	5	395323 418497

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 68.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12NW (W)	557	5	394722 417885
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	573	5	396133 417606
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	584	5	396146 417612
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	584	5	396146 417612
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	604	5	396066 417405
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A18NW (N)	606	5	395353 418557
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12NW (W)	606	5	394702 417949
167	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	607	5	394640 417821
168	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 98.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12NW (W)	610	5	394703 417961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12SW (SW)	614	5	394637 417408
170	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 128.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	618	5	394637 417846
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	628	5	396159 417524
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 125.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	628	5	396159 417524
173	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 198.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	630	5	394630 417384
174	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 73.1 Watercourse Level: On ground surface Permanent: False Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A18NW (N)	633	5	395313 418575
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 488.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	633	5	395263 416899
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 365.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	636	5	395847 417030
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12NW (NW)	649	5	394711 418058

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A12NW (NW)	650	5	394713 418063
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A17SW (NW)	654	5	394724 418092
180	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A17SW (NW)	655	5	394726 418097
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	660	5	395843 416995
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.4 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A17SE (NW)	661	5	394731 418119
183	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	663	5	394650 417973
184	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	665	5	395260 418591
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	670	5	395249 418593
186	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 99.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	672	5	394653 417998

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	675	5	394579 417851
188	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 10.1 Watercourse Level: Underground Permanent: False Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	675	5	395241 418595
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	675	5	395241 418595
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	682	5	394569 417845
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NW (W)	682	5	394578 417872
192	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17SW (NW)	697	5	394677 418095
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	699	5	394550 417843
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	699	5	394562 417883
195	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NW (W)	700	5	394586 417933

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NW (W)	702	5	394562 417883
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	702	5	394575 417937
198	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 131.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A17SW (NW)	703	5	394718 418182
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	704	5	394536 417815
200	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17SW (NW)	705	5	394681 418118
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NW (W)	705	5	394582 417936
202	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NW (W)	708	5	394535 417827
203	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	708	5	395190 418610
204	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	709	5	394641 418056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	712	5	394579 417952
206	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: suspendedOrElevated Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	712	5	394621 418024
207	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NW (W)	715	5	394530 417833
208	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NW (W)	715	5	394593 417998
209	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	715	5	394579 417952
210	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 236.1 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A17SW (NW)	716	5	394647 418078
211	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 392.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12SW (W)	717	5	394503 417716
212	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NW (W)	718	5	394528 417836
213	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	722	5	395168 418614

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	723	5	394572 417955
215	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	724	5	395309 418669
216	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (SE)	724	5	396205 417407
217	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17SW (NW)	724	5	394687 418170
218	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A18NW (N)	725	5	395312 418670
219	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	725	5	395311 418669
220	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SW (W)	729	5	394493 417734
221	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	729	5	394564 417953
222	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 417.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	729	5	394564 417953

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
223	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	733	5	394624 417185
224	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 100.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17SW (NW)	735	5	394690 418197
225	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SW (W)	736	5	394486 417731
226	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 78.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SW (W)	737	5	394484 417730
227	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 449.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	742	5	395829 416885
228	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	743	5	394611 417188
229	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	756	5	395881 418615
230	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	756	5	395881 418615
231	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 49.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	764	5	394580 417194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
232	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	774	5	394722 418313
233	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 60.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 1	A17SW (NW)	776	5	394718 418313
234	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A9NE (SE)	790	5	396121 417126
235	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: Underground Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	793	5	394502 417269
236	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A9NE (SE)	793	5	396121 417121
237	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17SW (NW)	795	5	394683 418297
238	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 243.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	796	5	396385 417744
239	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14NE (E)	796	5	396385 417744
240	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	799	5	394578 417135

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	801	5	394614 417083
242	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 126.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	802	5	394566 417148
243	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	809	5	394604 417083
244	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	812	5	394480 417275
245	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 289.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17SW (NW)	812	5	394680 418322
246	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	817	5	394475 417272
247	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 1	A17SW (NW)	817	5	394716 418374
248	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 379.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 1	A17SW (NW)	819	5	394716 418377
249	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 198.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	819	5	394474 417270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 162.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lower Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A17NE (NW)	824	5	395008 418637
251	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A17SW (NW)	841	5	394638 418314
252	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A15NW (E)	842	5	396440 417900
253	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SE (SE)	848	5	396150 417061
254	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A23SW (N)	865	5	395287 418808
255	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 262.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A23SW (N)	873	5	395253 418807
256	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	874	5	394587 417002
257	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	884	5	394636 418383
258	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A17SW (NW)	884	5	394637 418384

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A11SE (W)	884	5	394350 417428
260	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11SE (W)	884	5	394350 417428
261	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11SE (W)	892	5	394343 417426
262	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 200.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	895	5	396217 417082
263	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1126.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A23SE (N)	903	5	395430 418868
264	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NW (NW)	903	5	394638 418415
265	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 281.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A17NW (NW)	903	5	394638 418415
266	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SE (SE)	903	5	396209 417053
267	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NW (NW)	918	5	394625 418423

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	919	5	394498 417042
269	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	922	5	394429 417137
270	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	927	5	394424 417135
271	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 467.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cow Head Drain Catchment Name: Mersey Primacy: 1	A20SW (NE)	940	5	396485 418223
272	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11NE (W)	944	5	394310 417898
273	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NE (S)	945	5	395603 416581
274	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A22SE (NW)	949	5	394979 418767
275	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	953	5	394411 417106
276	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	954	5	394925 418738

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	964	5	396070 416788
278	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A15NW (E)	968	5	396566 417928
279	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	969	5	394398 417097
280	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	969	5	394398 417097
281	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A6NE (W)	971	5	394291 417316
282	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A6NE (W)	973	5	394290 417312
283	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Castle Drain Catchment Name: Mersey Primacy: 1	A15NW (E)	977	5	396575 417925
284	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17NW (NW)	978	5	394717 418606
285	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 94.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	979	5	394460 416991

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
286	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	979	5	394471 416979
287	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1360.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A20SW (NE)	981	5	396516 418256
288	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NE (S)	991	5	395598 416533
289	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NW (S)	992	5	395380 416520
290	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A3NW (S)	992	5	395380 416520
291	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NE (NE)	994	5	396394 418503
292	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 411.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Cow Head Drain Catchment Name: Mersey Primacy: 1	A19NE (NE)	994	5	396394 418503
293	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NW (S)	995	5	395376 416517
294	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 101.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Aire and Calder Primacy: 1	A17NW (NW)	996	5	394718 418633

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
295	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	998	5	394396 417050
296	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 158.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Red Brook Catchment Name: Mersey Primacy: 1	A3NE (S)	998	5	395731 416558
297	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	999	5	394393 417052

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
298	BGS Recorded Landfill Sites Site Name: Shepherds Rest Tip Location: LITTLEBOROUGH, Lancs Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A8NE (SE)	468	-	395719 417135
299	Historical Landfill Sites Licence Holder: Mr J Hudson Location: Longley Hey Farm, Halifax Road, Littleborough, Rochdale, Greater Manchester Name: Wellfield Mill Site Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15589 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 53589 Regis Ref: NR1/L/PHU001 WRC Ref: 4200/9241 BGS Ref: Not Supplied Other Ref: D101, RD/LIC/500/88, D123, 500/88, 1029	A13SE (SE)	0	2	395434 417723
300	Historical Landfill Sites Licence Holder: B Green Esq Location: North East Of Halifax Road, Rochdale, Greater Manchester Name: Field No. 6224 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15663 First Input Date: 1st January 1985 Last Input Date: 22nd September 1986 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9011 BGS Ref: Not Supplied Other Ref: RD/LIC/365/84, D012	A8NE (S)	256	2	395568 417294
301	Historical Landfill Sites Licence Holder: Fothergill and Harvey Limited Location: Sladen Bridge, Summit, Littleborough Name: Greenvale Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15657 First Input Date: 7th December 1979 Last Input Date: 31st December 1987 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9282 BGS Ref: Not Supplied Other Ref: RD/LIC/178/79, D013	A12SE (W)	345	2	394869 417635
302	Historical Landfill Sites Licence Holder: Rochdale Metropolitan Borough Council Location: Littleborough Name: Sladen Bridge Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15511 First Input Date: 1st November 1985 Last Input Date: 30th November 1987 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9137 BGS Ref: Not Supplied Other Ref: RD/LIC/402/85	A12SE (SW)	444	2	394822 417412

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
303	Historical Landfill Sites Licence Holder: Not Supplied Location: Littleborough, Lancashire Name: Shepherds Rest Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD32087 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 499 Other Ref: Not Supplied	A8NE (SE)	468	2	395719 417135
304	Historical Landfill Sites Licence Holder: Rochdale Metropolitan Borough Council Location: Littleborough, Rochdale Name: River Roch Valley at Fothergill and Harvey PLC Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15655 First Input Date: 31st December 1987 Last Input Date: 14th June 1988 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9341 BGS Ref: Not Supplied Other Ref: D031, RD/LIC/439/86	A17SW (NW)	710	2	394659 418089
305	Historical Landfill Sites Licence Holder: Not Supplied Location: Forthergill and Harvey Name: River Roch Valley at Forthergill and Harvey Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD17865 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: WML/0439	A17SW (NW)	720	2	394691 418170
306	Historical Landfill Sites Licence Holder: Not Supplied Location: Blackstone Edge Old Road, Littleborough, Greater Manchester Name: Lydgate Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15671 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D095	A3NW (S)	861	2	395282 416662
307	Licensed Waste Management Facilities (Landfill Boundaries) Name: Longley Hey Farm Landfill Licence Number: 53589 Location: Halifax Road, Littleborough, Lancashire, OL15 0LB Licence Holder: Hudson Peter Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Max Input Rate: Small (Less than 25,000 tonnes per year) Licence Status: Inactive Issued: 11th September 1996 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A13SE (SE)	0	2	395434 417723

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
308	Licensed Waste Management Facilities (Locations) Licence Number: 53589 Location: Halifax Road, Littleborough, Lancashire, OL15 0LB Operator Name: Hudson Peter Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Licence Status: Surrendered Issued: 11th September 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 20th September 2004 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (S)	0	2	395391 417638
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	3	395420 417735
309	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8NW (SW)	213	-	395134 417396
310	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12SE (SW)	337	-	394912 417471
311	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A17SE (NW)	432	-	394995 418108
312	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A17SE (NW)	509	-	394881 418077
313	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8NE (SE)	510	-	395696 417074
314	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12SW (W)	566	-	394674 417449
315	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8SE (S)	598	-	395601 416937
316	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NW (W)	617	-	394667 417907
317	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A9SW (SE)	694	-	395871 416975
318	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A8SW (S)	704	-	395237 416833
319	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A3NE (S)	846	-	395524 416669
320	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A3NW (S)	862	-	395257 416666

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
321	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1980	A9SW (SE)	875	-	396055 416897
322	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (SW)	115	-	395300 417448
323	Registered Landfill Sites Licence Holder: P Hudson Licence Reference: 01029 Site Location: Longley Hey Farm, Halifax Road, Littleborough, Lancashire, OL15 0lb Licence Easting: 395400 Licence Northing: 417600 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Operational as far as is known Dated: 11th September 1996 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: Max.Waste Permitted By Licence Rubble,Hardcore,Stone,Brick Soil, Clay Prohibited Waste: Waste N.O.S.	A13SW (S)	0	2	395400 417600
324	Registered Landfill Sites Licence Holder: J Hudson Licence Reference: 00500/88/M1 Site Location: Longley Hey Farm, Halifax Road, Littleborough, Lancashire, OL15 0lb Licence Easting: 395450 Licence Northing: 417700 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrendered Dated: 1st June 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ceramic Materials Constr'N Ind. Wastes Containing Only Fibreglass Glass Metals Plastics Similar Non Leachate Forming Materials Soil,Clay,Sand, Stone,Brick,Concrete,Slate Wood Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Foodstuffs Paper/Cardboard Plasterboard Sawdust Textiles Vegetable Matter Waste Forming Polluting Leachate Waste In Liquid Or Sludge Form	A13SE (SE)	0	2	395450 417700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
325	Registered Landfill Sites Licence Holder: B Green Licence Reference: 00365/84 Site Location: Higher Swainrod Farm (Os 6224), Halifax Road, Rochdale, Lancashire, OL15 0lf Licence Easting: 395620 Licence Northing: 417240 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 17th June 1985 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: Ceramic Waste Constr'N/Demol. Inert/Non-Haz/Non-Tox Fibreglass Glass/Cullet Metal Scrap Non Leachate Forming Waste Plastic/Polythene (Including Sacks) Soil,Clay,Sand Stone,Brick,Concrete,Slate Wood Waste/Timber Prohibited Waste: Carcasses And Flesh Chemical Wastes Food Waste Liquid Wastes Paper/Cardboard Waste Plasterboard Plastic/Polythene (Including Sacks) Sawdust/Bark Sludge Wastes Textiles, Rag,Wool,Cloth,Hessian Etc Vegetable/Processing Waste Waste Forming Polluting Leachate	A8NE (S)	330	2	395620 417240
326	Registered Landfill Sites Licence Holder: Rochdale M.B.C. Licence Reference: 00402/85/M1 Site Location: Fothergill & Harvey Site, Sladen Bridge, Littleborough, Lancashire Licence Easting: 394750 Licence Northing: 417650 Operator Location: 57/59 Drake Project, ROCHDALE, Lancashire, OL16 1SA Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st November 1985 Preceded By: 00178 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction Industry Waste Metal Scrap Silt & Dredgings Tar, Pitch, Bitumen, Asphalts Tyres Waste Treated Timber	A12SE (W)	364	2	394849 417664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
327	Registered Landfill Sites Licence Holder: Fothergill & Harvey Ltd Licence Reference: 00178 Site Location: Greenvale, Sladen Bridge, Calderbrook, Littleborough, Lancashire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Summit, Littleborough, ROCHDALE, Lancashire, OL15 9QP Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 22nd September 1983 Preceded By: Not Given Licence: Superseded By: 00402/85/M1 Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Construction And Demolition Wastes Prohibited Waste: Liquid/Slurry/Sludge Wastes	A12SE (W)	476	2	394739 417672
328	Registered Landfill Sites Licence Holder: Rochdale M.B.C. Licence Reference: 00439/86/M1 Site Location: River Roch Valley, (Fothergill / Harvey), Littleborough, Lancashire Licence Easting: 394650 Licence Northing: 418130 Operator Location: Town Hall, ROCHDALE, Lancashire, OL16 1LQ Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1987 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: Ceramic Materials Construction Ind. Wastes Glass Metals Similar Non Leachate Forming Materials Soil,Clay,Sand, Stone,Brick,Concrete,Slate Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Fibreglass Foodstuffs Liquid Wastes Paper/Cardboard Waste Plasterboard Plastics Sawdust Sludge Wastes Textiles Vegetable Matter Waste Forming Polluting Leachate Wood	A17SW (NW)	738	2	394650 418130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13SE (SW)	0	1	395420 417735
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	0	1	395441 417709
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	0	1	395275 417743
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SW)	0	1	395420 417735
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	3	1	395576 417759
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NE (N)	33	1	395420 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NE (N)	33	1	395487 418000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NE (NE)	55	1	395542 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NE (NE)	92	1	395621 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	95	1	395276 417471
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	126	1	395110 417550
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NW (NW)	133	1	395307 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	135	1	395645 417613

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	145	1	395183 417448
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14NW (NE)	189	1	395762 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A18SE (N)	210	1	395586 418153
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NW (NW)	218	1	395187 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A18SE (N)	219	1	395549 418177
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (SW)	220	1	395244 417348

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	234	1	394988 417558
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	242	1	395095 417910
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NW (NW)	277	1	395107 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NW (SW)	295	1	395155 417299
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	296	1	395001 417409
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13NW (NW)	298	1	395082 418000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	312	1	395918 417804
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14NW (NE)	324	1	395909 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	334	1	395503 417184
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SE (W)	338	1	394879 417573
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	360	1	395025 418028
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	368	1	395314 417161

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NE (NW)	368	1	395000 418000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7NE (SW)	383	1	394902 417398
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (E)	397	1	396000 417930
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A14NW (E)	402	1	396013 417874
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A14SW (E)	402	1	396000 417735
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NW (SW)	414	1	395146 417177

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	416	1	396000 417716
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	430	1	395803 417295
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	461	1	395758 417186
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SW (E)	462	1	396000 417578
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14SW (E)	486	1	396064 417686
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	510	1	395420 417000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	511	1	395464 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	532	1	395268 417004
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	533	1	395276 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	535	1	395268 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	556	1	395651 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	568	1	395681 417000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (SE)	570	1	395725 417022
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NW (SW)	580	1	394697 417358
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	580	1	394690 417370
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A9NW (SE)	588	1	396000 417323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (SE)	594	1	395736 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	618	1	395030 417000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A7SE (SW)	619	1	395026 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	620	1	395029 416998
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SW (SE)	636	1	395810 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A18NW (N)	654	1	395336 418603
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	673	1	395000 416952
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A9NE (SE)	678	1	396145 417395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A9NW (SE)	701	1	396000 417101
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	706	1	394574 417323
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	715	1	395932 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	735	1	394516 417856
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A9SW (SE)	755	1	396000 417014
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	765	1	396000 417000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	773	1	396012 417000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	831	1	394510 417180
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	840	1	394381 417507
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A9NE (SE)	870	1	396214 417129
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NW (S)	903	1	395270 416621
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A15NW (E)	912	1	396499 418047

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A11SE (W)	919	1	394296 417568
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A6NE (W)	929	1	394321 417364
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SE (SE)	941	1	396143 416895
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 20 - 40 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A19NE (NE)	968	1	396307 418566
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A22SE (N)	969	1	395010 418809
329	BGS Recorded Mineral Sites Site Name: Hollow Field Quarry Location: Calderbrook, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 241297 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	207	1	395133 417404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
330	BGS Recorded Mineral Sites Site Name: Timbercliffe Clay Pit Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96225 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	459	1	394989 418141
331	BGS Recorded Mineral Sites Site Name: Cowberry Hill Location: Bacup, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 11577 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	500	1	395894 417314
332	BGS Recorded Mineral Sites Site Name: Stormer Hill Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96237 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	508	1	395634 417044
333	BGS Recorded Mineral Sites Site Name: Summit Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 241286 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	545	1	394841 418079
334	BGS Recorded Mineral Sites Site Name: Cowberry Hill Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 146339 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fletcher Bank Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	565	1	395932 417249
335	BGS Recorded Mineral Sites Site Name: Summit Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96181 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	621	1	394799 418158

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
336	BGS Recorded Mineral Sites Site Name: Sladen Fold Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96184 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	625	1	394663 417918
337	BGS Recorded Mineral Sites Site Name: Summit Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15627 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	639	1	394743 418094
338	BGS Recorded Mineral Sites Site Name: Blackstone Edge Blue Delf Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 9770 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Hazel Greave Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	701	1	395980 417075
339	BGS Recorded Mineral Sites Site Name: Summit Clay Pit Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96226 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	755	1	394855 418429
340	BGS Recorded Mineral Sites Site Name: Jackson Hole Quarry Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15630 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	757	1	395905 416920
341	BGS Recorded Mineral Sites Site Name: Rook Nook Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 241285 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	789	1	394574 418098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
342	BGS Recorded Mineral Sites Site Name: Blackstone Edge Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 146336 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Lower Kinderscout Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	822	1	396374 417543
343	BGS Recorded Mineral Sites Site Name: Stormer Hill Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96199 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A3NE (S)	838	1	395526 416677
344	BGS Recorded Mineral Sites Site Name: Rock Nook Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15625 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	865	1	394543 418201
345	BGS Recorded Mineral Sites Site Name: Chelburn Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 242065 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A23SW (N)	868	1	395183 418779
346	BGS Recorded Mineral Sites Site Name: Stormer Hill Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96201 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	906	1	396065 416864
347	BGS Recorded Mineral Sites Site Name: Calderbrook Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96183 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	907	1	394556 418308

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
348	BGS Recorded Mineral Sites Site Name: Summit Brick & Tile Works Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96227 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	952	1	394836 418676
349	BGS Recorded Mineral Sites Site Name: Chelburn Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 242064 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A23SW (N)	959	1	395101 418844
350	BGS Recorded Mineral Sites Site Name: Blackstone Edge Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 146337 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Lower Kinderscout Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A10NW (E)	961	1	396468 417398
351	BGS Recorded Mineral Sites Site Name: Gale House Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96264 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Darwen Flags Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A11SE (W)	982	1	394243 417467
352	BGS Recorded Mineral Sites Site Name: Stormer Hill Location: Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96202 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	989	1	396096 416778
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SW)	0	6	395420 417735

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	395420 417735
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	213	1	395000 417735
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14NW (NE)	201	1	395807 417928
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	213	1	395000 417735
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	213	1	395000 417735
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	213	1	395000 417735
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	395245 417631
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	395373 417545
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	395414 417743
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	395340 417642
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	13	1	395492 417592
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	35	1	395609 417941
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	58	1	395560 417621
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	61	1	395521 417541
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	120	1	395550 417462

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	135	1	395312 418009
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A18SE (N)	161	1	395568 418107
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	163	1	395194 417424
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A18SW (N)	177	1	395347 418086
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	197	1	395116 417856
	Potential for Landslide Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A14NW (NE)	201	1	395807 417928
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A14NW (E)	209	1	395839 417876
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	213	1	395000 417735
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	226	1	395032 417487
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	231	1	395024 417490
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	243	1	395004 417498
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	245	1	395000 417500
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	248	1	395000 417494
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	395420 417735
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	395450 417599
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	213	1	395000 417735
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	395371 417542
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	395245 417631
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	13	1	395492 417592

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	28	1	395653 417870
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	58	1	395560 417621
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	135	1	395312 418009
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	197	1	395116 417856
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (W)	213	1	395000 417735
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	245	1	395000 417500
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	395475 417625
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	395375 417575
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	395475 417625
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	395420 417735
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	395375 417575

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
353	Contemporary Trade Directory Entries Name: West Riding Organics Ltd Location: 1, Fence Nook, Halifax Road, Littleborough, Lancashire, OL15 0LF Classification: Fertilisers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	445	-	395663 417130
354	Contemporary Trade Directory Entries Name: Fothergill Engineered Fabrics Ltd Location: Summit, Littleborough, Lancashire, OL15 0LR Classification: Glass Fibre Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	586	-	394678 417862
355	Contemporary Trade Directory Entries Name: Fothergill Crenette Location: Greenvale Mill, Summit, Littleborough, Lancashire, OL15 9QP Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	655	-	394682 418017
356	Contemporary Trade Directory Entries Name: Fothergill Engineered Location: Summit, Littleborough, Lancashire, OL15 0LR Classification: Glass Fibre Manufacturers Status: Active Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	681	-	394711 418123
357	Contemporary Trade Directory Entries Name: Rycal Ironmongers Location: Gale Joinery Works, Todmorden Road, Littleborough, Lancashire, OL15 9EW Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A17SW (NW)	785	-	394583 418105
358	Contemporary Trade Directory Entries Name: Rapid European Solutions Location: Sladen Wood Mill, Todmorden Road, Littleborough, Lancashire, OL15 9EW Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	803	-	394652 418267
358	Contemporary Trade Directory Entries Name: Walsden Printing Co Location: Sladen Wood Mill, Todmorden Road, Littleborough, Lancashire, OL15 9EW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	803	-	394652 418267
358	Contemporary Trade Directory Entries Name: Drury Adams Ltd Location: Sladen Wood Mill, Todmorden Road, LITTLEBOROUGH, Lancashire, OL15 9EW Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	803	-	394652 418267
359	Contemporary Trade Directory Entries Name: Prospect Knitting Co Location: 20, Summit, Littleborough, Lancashire, OL15 9QW Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	885	-	394614 418356
360	Contemporary Trade Directory Entries Name: Ken Mills Engineering Ltd Location: Unit 9, Greenvale Business Park, Todmorden Road, Littleborough, Lancashire, OL15 9AZ Classification: Waste Processing Machinery Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	924	-	394400 417183
361	Contemporary Trade Directory Entries Name: Bus Solutions Ltd Location: Unit 8c, Greenvale Business Park, Todmorden Road, Littleborough, OL15 9FG Classification: Computer Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	966	-	394394 417110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
361	Contemporary Trade Directory Entries Name: Falconex Ltd Location: Unit 8a, Greenvale Business Park, Todmorden Road, Littleborough, OL15 9FG Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A6NE (SW)	992	-	394358 417119
362	Contemporary Trade Directory Entries Name: Durosil Products Ltd Location: 5, Gatehouse, Blackstone Edge Old Road, LITTLEBOROUGH, Lancashire, OL15 0JJ Classification: Concrete Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A2NE (SW)	999	-	394783 416693
363	Points of Interest - Commercial Services Name: Rapid European Solutions Location: Sladen Wood Mill, Todmorden Road, Littleborough, OL15 9EW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SW (NW)	803	7	394652 418267
364	Points of Interest - Commercial Services Name: Falconex Ltd Location: Unit 8a Greenvale Business Park, Todmorden Road, Littleborough, OL15 9FG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A6NE (SW)	993	7	394357 417118
365	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	205	7	395076 417461
365	Points of Interest - Manufacturing and Production Name: Works Location: OL15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	253	7	395080 417386
365	Points of Interest - Manufacturing and Production Name: Sladen Mill Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	254	7	395079 417386
366	Points of Interest - Manufacturing and Production Name: Sheep Wash Location: OL15 Category: Farming Class Code: Sheep Dips and Washes Positional Accuracy: Positioned to address or location	A13SE (SE)	241	7	395658 417422
367	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	259	7	395322 417275
368	Points of Interest - Manufacturing and Production Name: Sladen Mill Works Location: OL15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12SE (SW)	328	7	394965 417405
369	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	414	7	394891 417895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
370	Points of Interest - Manufacturing and Production Name: Cowberry Hill Quarry (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	459	7	395840 417301
370	Points of Interest - Manufacturing and Production Name: Cowberry Hill Quarry (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A9NW (SE)	502	7	395886 417295
371	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	494	7	394748 417788
372	Points of Interest - Manufacturing and Production Name: Summit Quarries (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A17SE (NW)	562	7	394850 418128
372	Points of Interest - Manufacturing and Production Name: Summit Quarries (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	588	7	394817 418124
373	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	596	7	394618 417597
373	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	596	7	394618 417594
373	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	607	7	394607 417594
373	Points of Interest - Manufacturing and Production Name: Tanks Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	607	7	394607 417596
374	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	676	7	394707 418106
374	Points of Interest - Manufacturing and Production Name: Works Location: OL15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	676	7	394707 418106
375	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A14SE (E)	825	7	396377 417541

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
375	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	844	7	396407 417578
376	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	867	7	394969 416757
377	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	885	7	394612 418353
377	Points of Interest - Manufacturing and Production Name: Works Location: OL15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	886	7	394612 418354
378	Points of Interest - Manufacturing and Production Name: Tank Location: OL15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15NW (E)	885	7	396482 417866
379	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	971	7	394825 418692
379	Points of Interest - Manufacturing and Production Name: Quarry (Disused) Location: OL15 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	972	7	394825 418693
380	Points of Interest - Public Infrastructure Name: Sluice Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	7	395322 417693
380	Points of Interest - Public Infrastructure Name: Sluice Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	7	395329 417694
381	Points of Interest - Public Infrastructure Name: Heap (Dis) Location: OL15 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	7	395365 417619
381	Points of Interest - Public Infrastructure Name: Refuse Tip Location: OL15 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	19	7	395326 417541
382	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	55	7	395551 417610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
382	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	57	7	395553 417609
383	Points of Interest - Public Infrastructure Name: Sluice Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	204	7	395217 417376
383	Points of Interest - Public Infrastructure Name: Sluice Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	205	7	395222 417374
384	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	271	7	395117 417340
384	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	280	7	395113 417332
385	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	500	7	394715 417578
385	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	503	7	394712 417577
386	Points of Interest - Public Infrastructure Name: Sluice Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	556	7	395276 418481
386	Points of Interest - Public Infrastructure Name: Sluice Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	560	7	395269 418482
387	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	660	7	395359 418614
387	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	661	7	395365 418616
387	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	728	7	395298 418670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
387	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	729	7	395292 418669
388	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	696	7	394568 417882
388	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	698	7	394565 417880
388	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	716	7	394590 417974
388	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	718	7	394587 417972
389	Points of Interest - Public Infrastructure Name: Weir Location: OL15 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	727	7	394486 417630
390	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NW (NW)	965	7	394660 418530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
391	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A13SE (SW)	0	9	395420 417735
392	Sites of Special Scientific Interest Name: South Pennine Moors Multiple Areas: Y Total Area (m2): 209444972.58 Source: Natural England Reference: 1007196 Designation Details: Scheduled Ancient Monument Designation Date: 26th September 1994 Date Type: Notified Designation Details: Environmentally Sensitive Area Designation Date: 26th September 1994 Date Type: Notified Designation Details: Geological Conservation Review Designation Date: 26th September 1994 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 26th September 1994 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 26th September 1994 Date Type: Notified Designation Details: Special Protection Area Designation Date: 26th September 1994 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 26th September 1994 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 26th September 1994 Date Type: Notified	A18SE (N)	391	8	395426 418353
393	Special Areas of Conservation Name: South Pennine Moors Multiple Areas: Y Total Area (m2): 650255000.39 Source: Natural England Reference: UK0030280 Status: Designated	A18SE (N)	391	8	395426 418353
394	Special Protection Areas Name: South Pennine Moors Phase 2 Multiple Areas: Y Total Area (m2): 209444973.03 Source: Natural England Reference: UK9007022 Designation Date: Not Supplied	A18SE (N)	391	8	395426 418353

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Calderdale Metropolitan Borough Council - Environmental Health Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department	November 2023 October 2017 October 2017 October 2017 October 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - North East Region Environment Agency - North West Region	October 2023 October 2023	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region Environment Agency - North West Region	March 2013 March 2013	
Integrated Pollution Controls Environment Agency - North East Region Environment Agency - North West Region	January 2009 January 2009	
Integrated Pollution Prevention And Control Environment Agency - North East Region Environment Agency - North West Region	January 2023 January 2023	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	July 2014 March 2015 May 2016 October 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Calderdale Metropolitan Borough Council - Environmental Health Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	December 2020 July 2014 March 2015 May 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	July 2014 March 2015 May 2016 October 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2023	
Pollution Incidents to Controlled Waters Environment Agency - North East Region Environment Agency - North West Region	December 1998 January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North East Region Environment Agency - North West Region	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North East Region Environment Agency - North West Region	March 2013 March 2013	
Registered Radioactive Substances Environment Agency - North East Region Environment Agency - North West Region Environment Agency - Head Office	June 2016 June 2016 May 2023	As notified As notified Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	

Agency & Hydrological	Version	Update Cycle
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2023 October 2023 October 2023 October 2023 October 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - North East Region Environment Agency - North West Region	October 2023 October 2023	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - North East Region Environment Agency - North West Region	October 2017 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	October 2023	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region Environment Agency - North West Region	January 2009 January 2009	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	July 2023 July 2023 July 2023 July 2023 July 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2023 January 2023 January 2023 January 2023 January 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Calderdale Metropolitan Borough Council - Environmental Health Lancashire County Council - Waste Management Group Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Calderdale Metropolitan Borough Council - Environmental Health Lancashire County Council - Waste Management Group Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lancashire County Council Calderdale Metropolitan Borough Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	April 2023 February 2016 February 2016 May 2023 May 2023	Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Calderdale Metropolitan Borough Council Lancashire County Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2023	Quarterly
Points of Interest - Education and Health PointX	December 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2023	Quarterly
Points of Interest - Public Infrastructure PointX	December 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

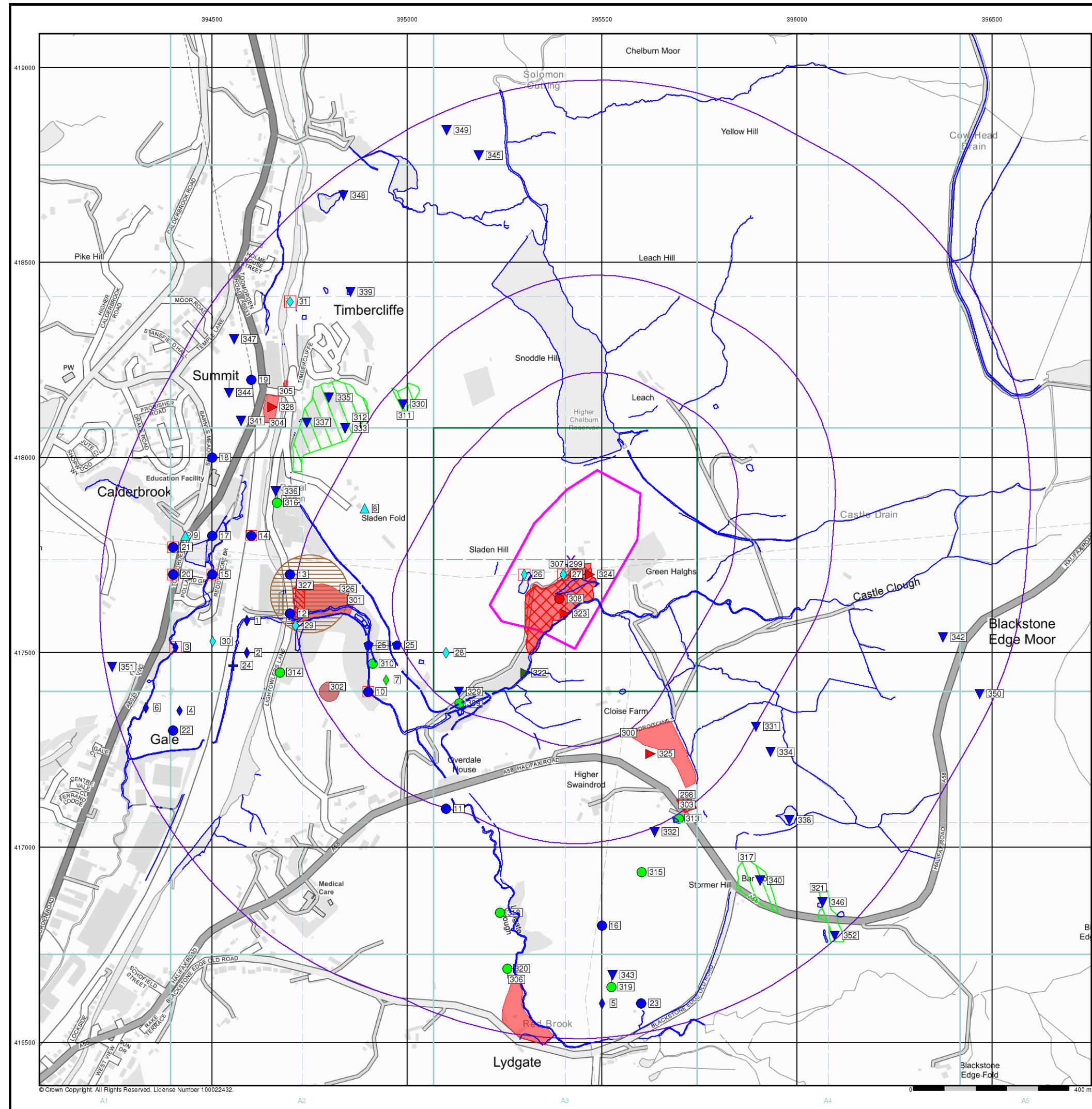
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt Calderdale Metropolitan Borough Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	August 2023 August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Calderdale Metropolitan Borough Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	August 2023 August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2023	Bi-Annually
Marine Nature Reserves Natural England	October 2023	Bi-Annually
National Nature Reserves Natural England	August 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	October 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2023	Bi-Annually
Special Areas of Conservation Natural England	October 2023	Bi-Annually
Special Protection Areas Natural England	October 2023	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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Rochdale Metropolitan Borough Council - Environmental Health Department P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Rochdale Metropolitan Borough Council PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
10	Calderdale Metropolitan Borough Council Crossley House, Crossley Street, Halifax, West Yorkshire, HX1 1TP	Telephone: 01422 357257 Fax: 01422 392238 Website: www.calderdale.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

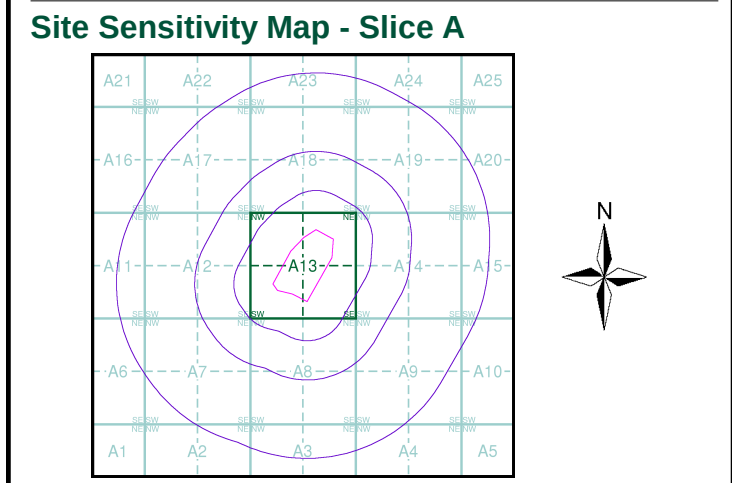


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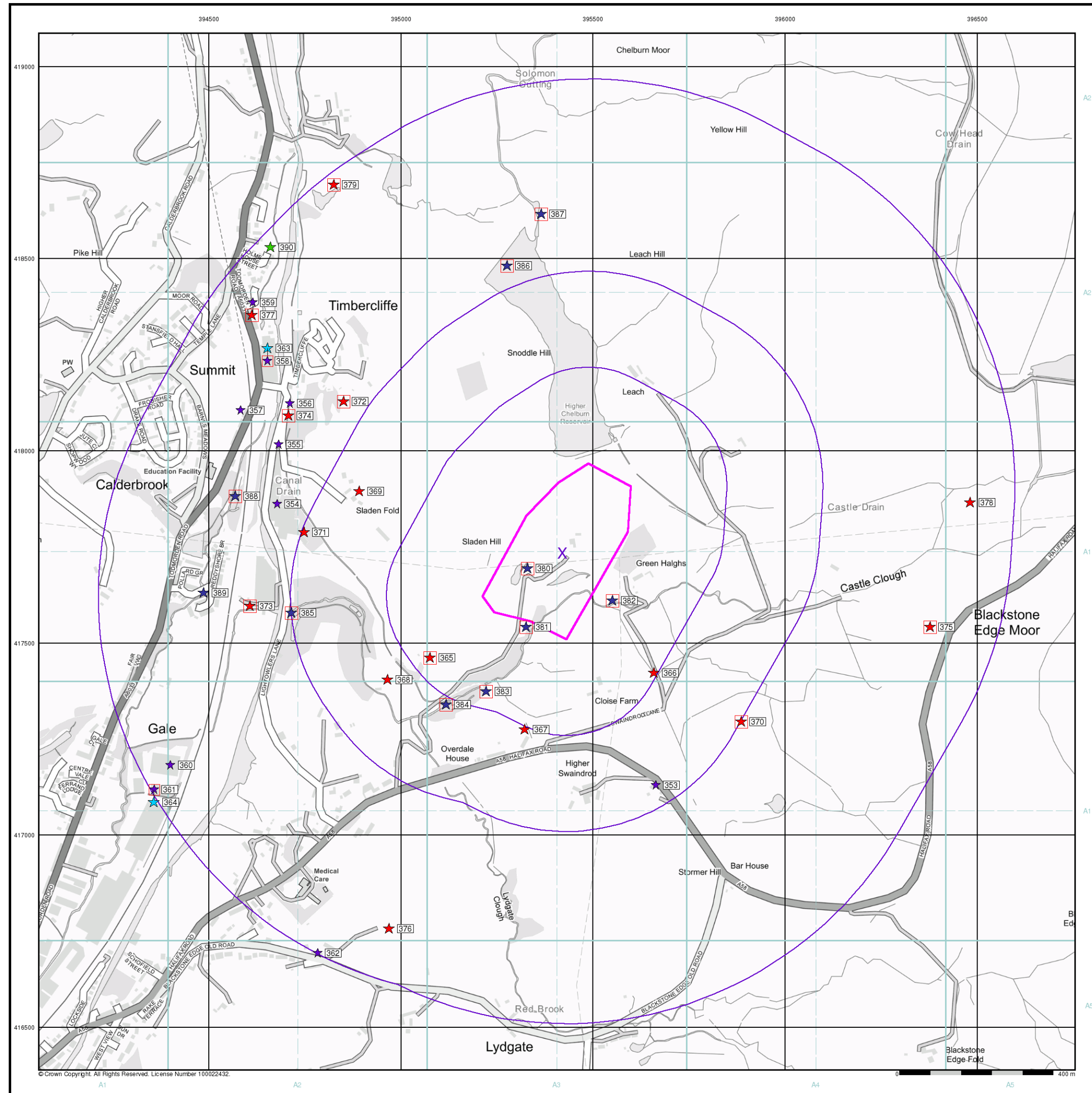
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 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge 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
 - 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
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - 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
- Hazardous Substances**
 - COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
 - BGS Recorded Mineral Site



Order Details
Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details
Site at 395460, 417780

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Industrial Land Use Map

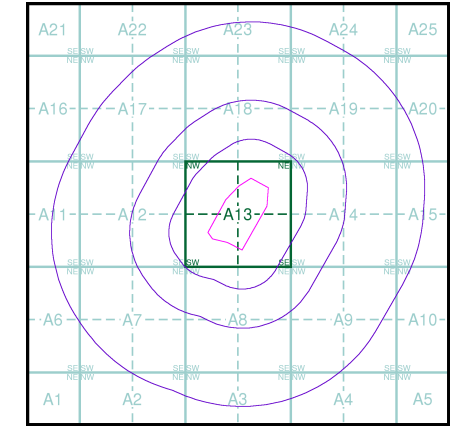
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

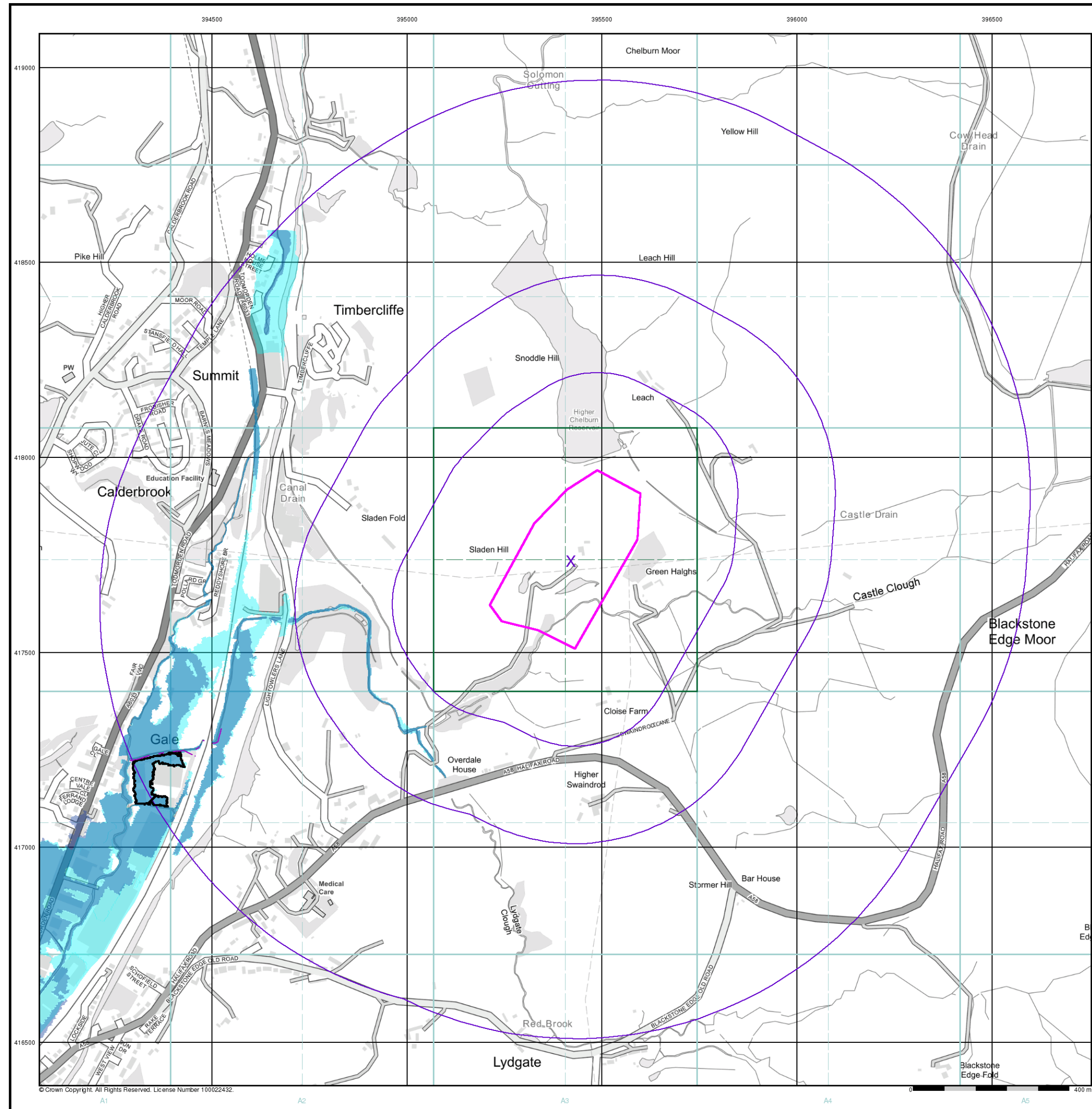
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National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

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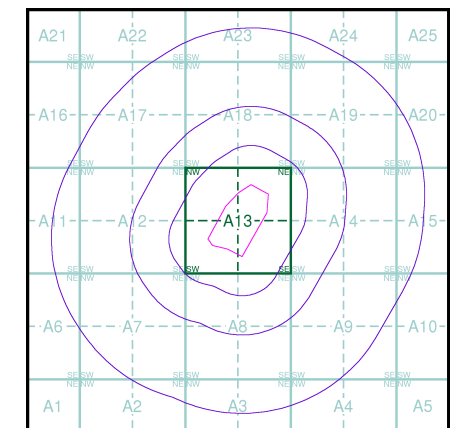
General

- 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

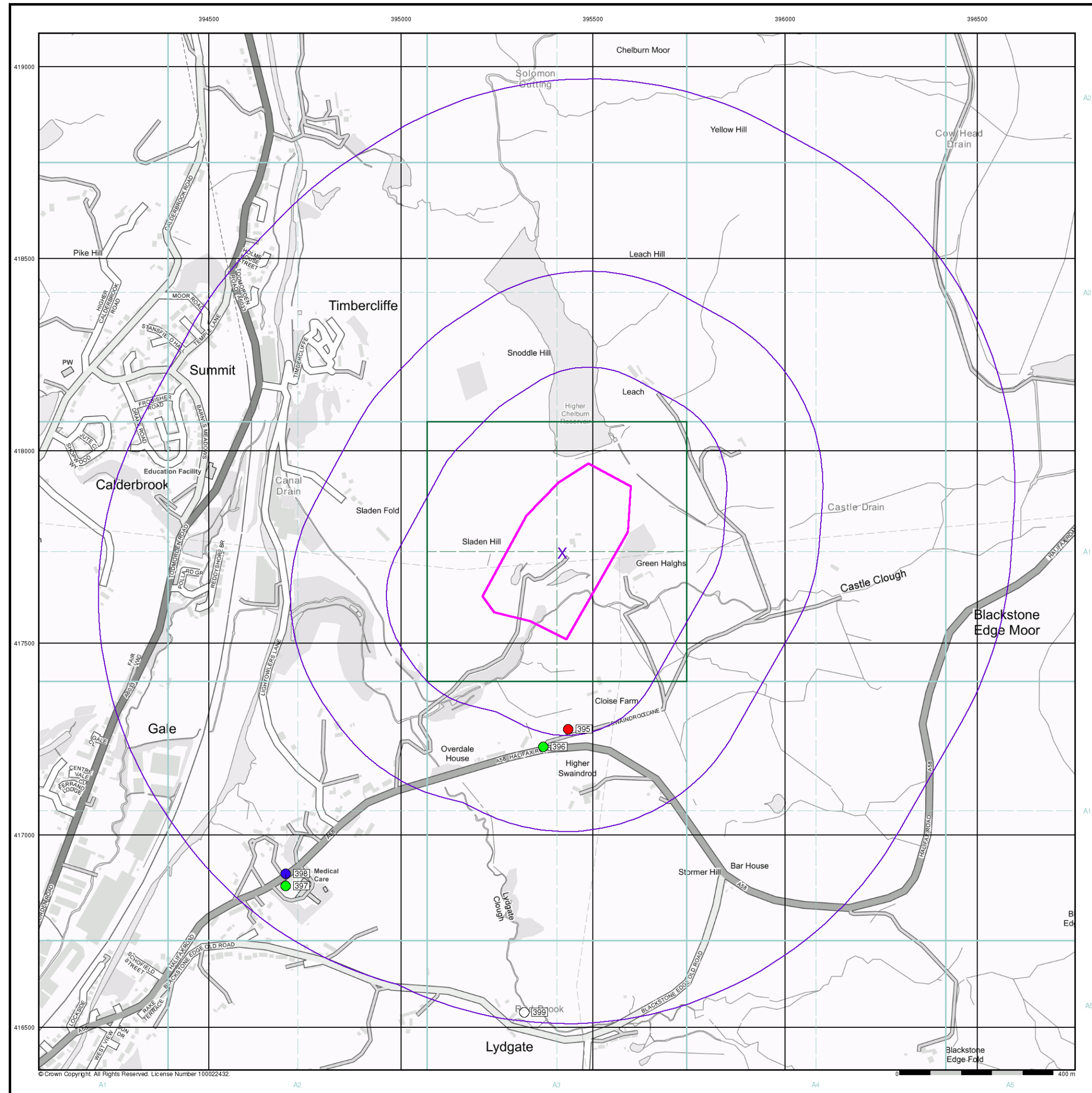


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Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

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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.

Borehole Map - Slice A

Order Details

Order Number:	329558604_1_1
Customer Ref:	UAA-FPC1003
National Grid Reference:	395420, 417740
Slice:	A
Site Area (Ha):	10.06
Search Buffer (m):	1000

Site Details

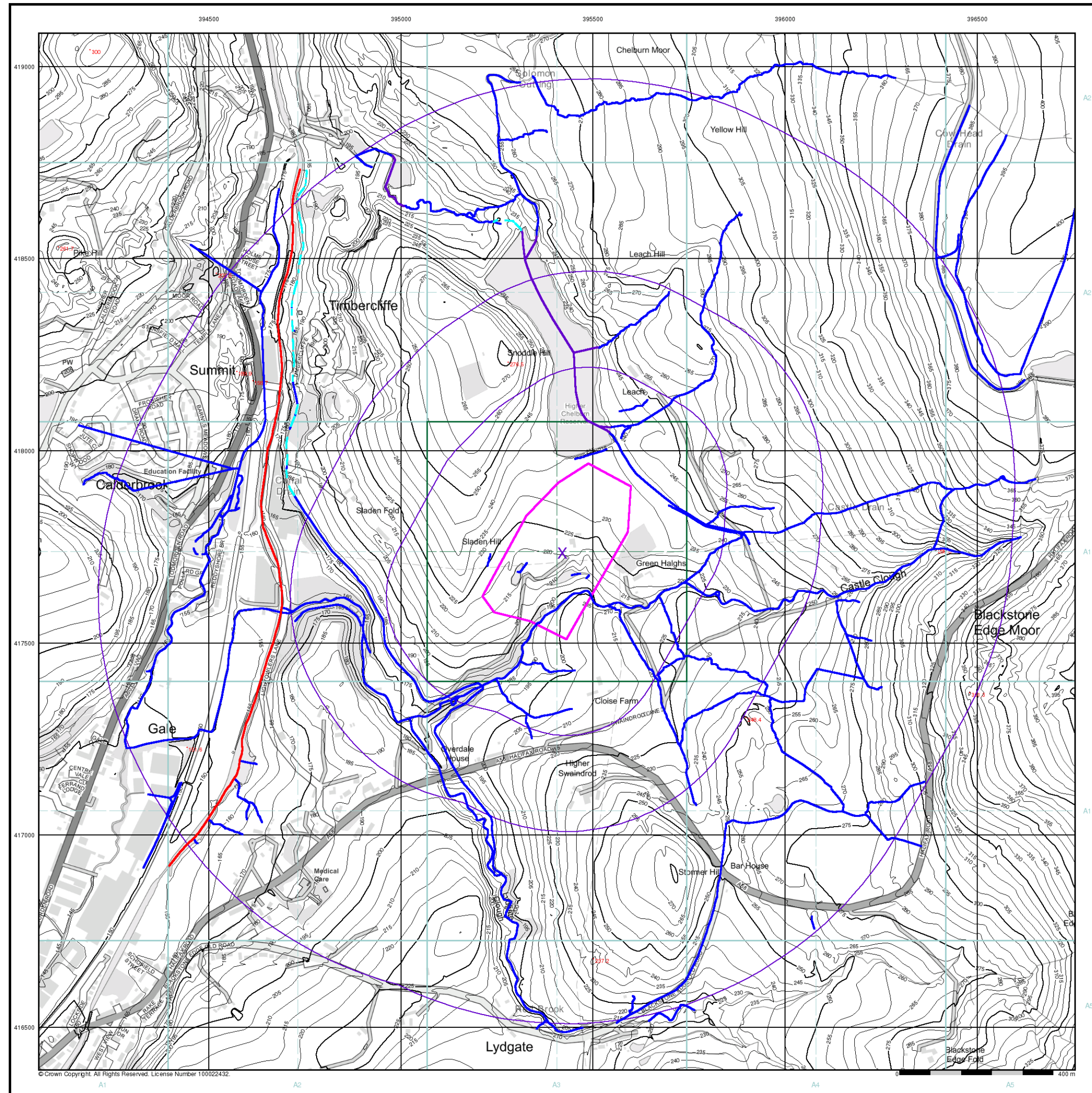
Site at 395460, 417780

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- Bearing Reference Point

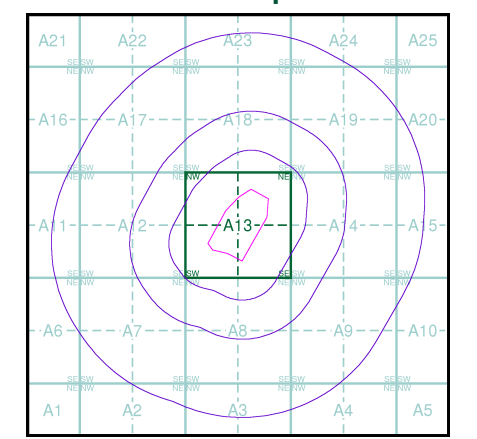
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

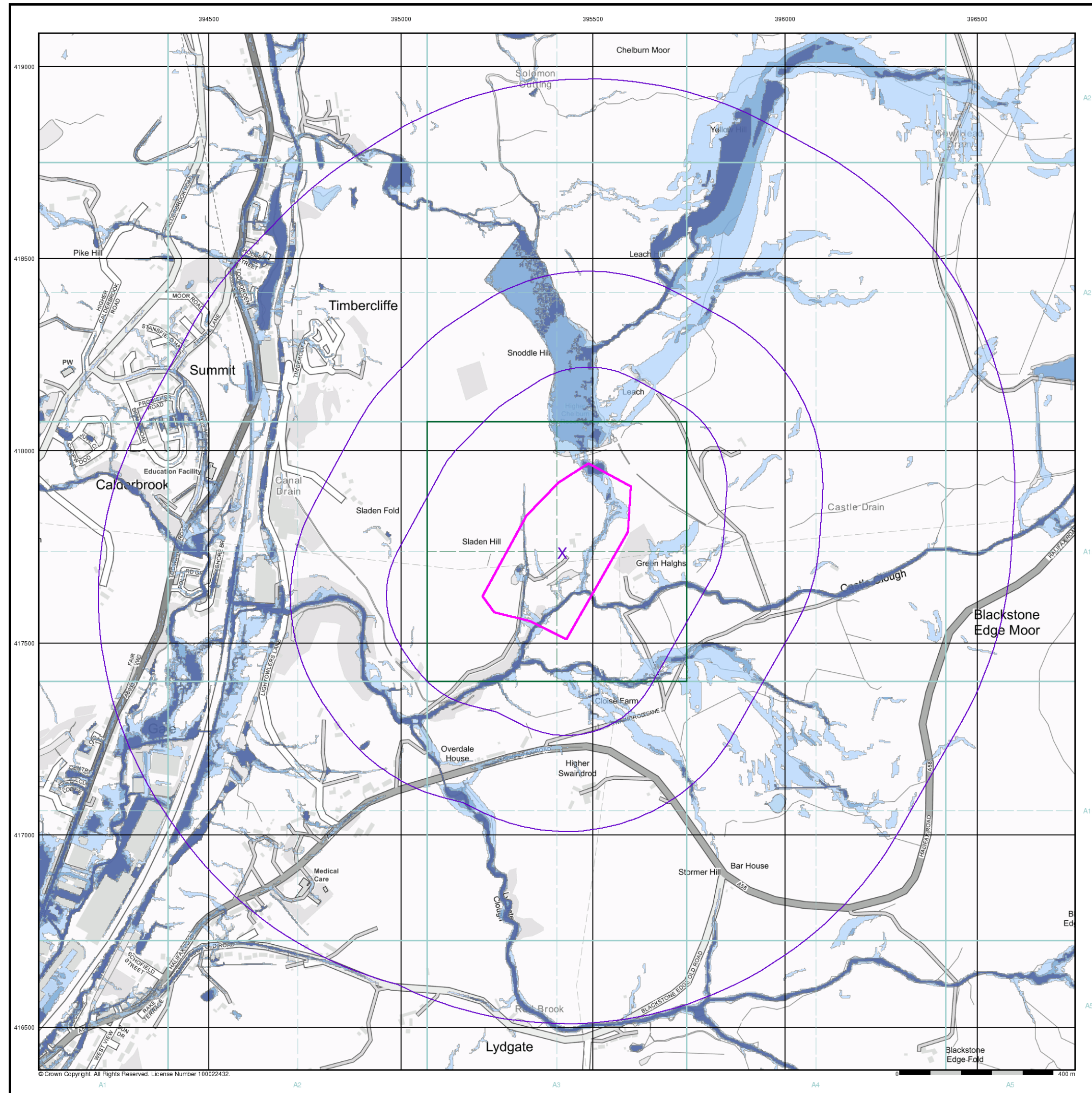
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National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EANRW Suitability Map - Slice A

Order Details

Order Number:	329558604_1_1
Customer Ref:	UAA-FPC1003
National Grid Reference:	395420, 417740
Slice:	A
Site Area (Ha):	10.06
Search Buffer (m):	1000

Site Details

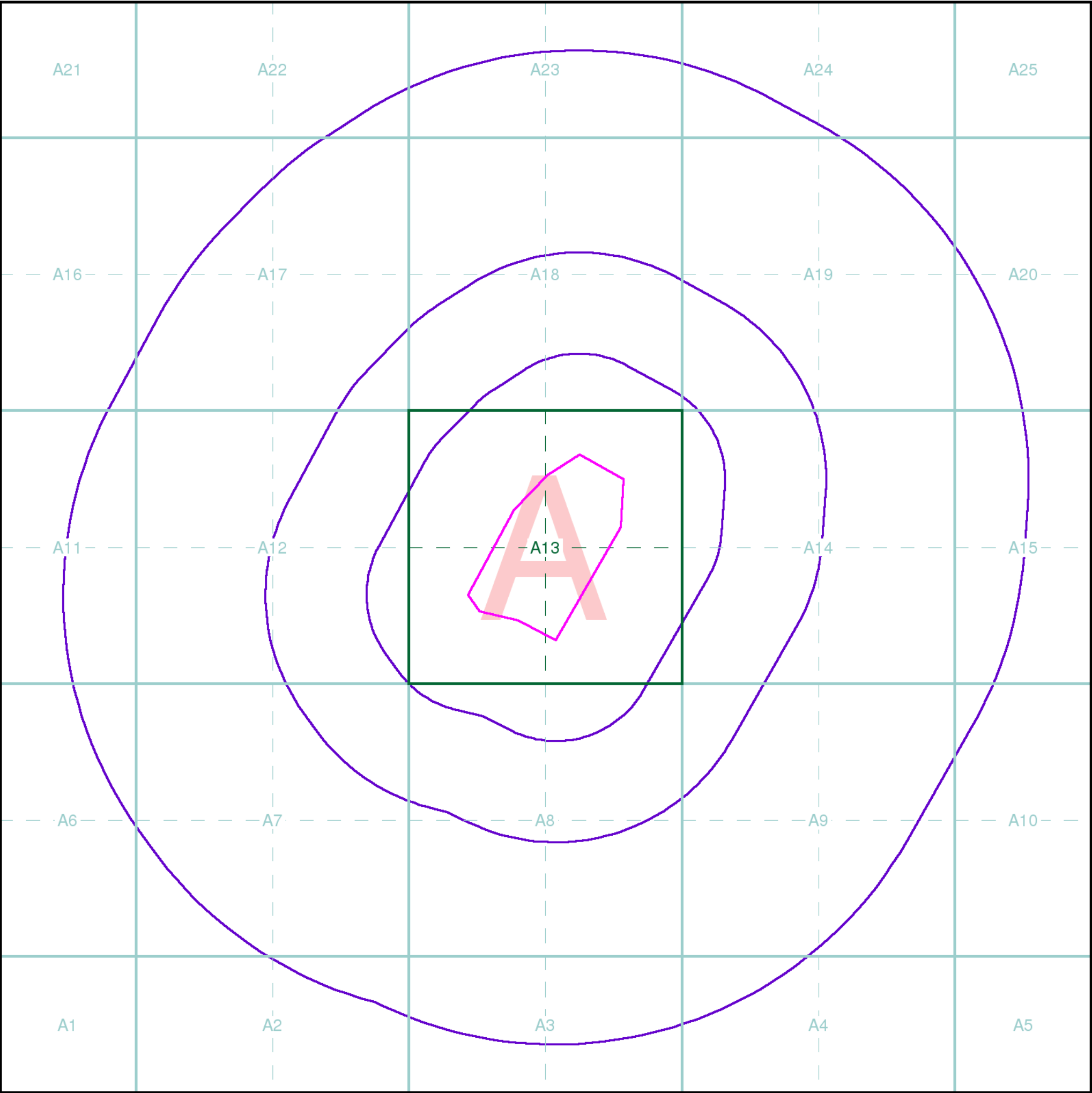
Site at 395460, 417780

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Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr U Antia, UA Antia (UK) Ltd, Office 1, The Enterprise Centre, 34 Benchill Road, Manchester, M22 8LF

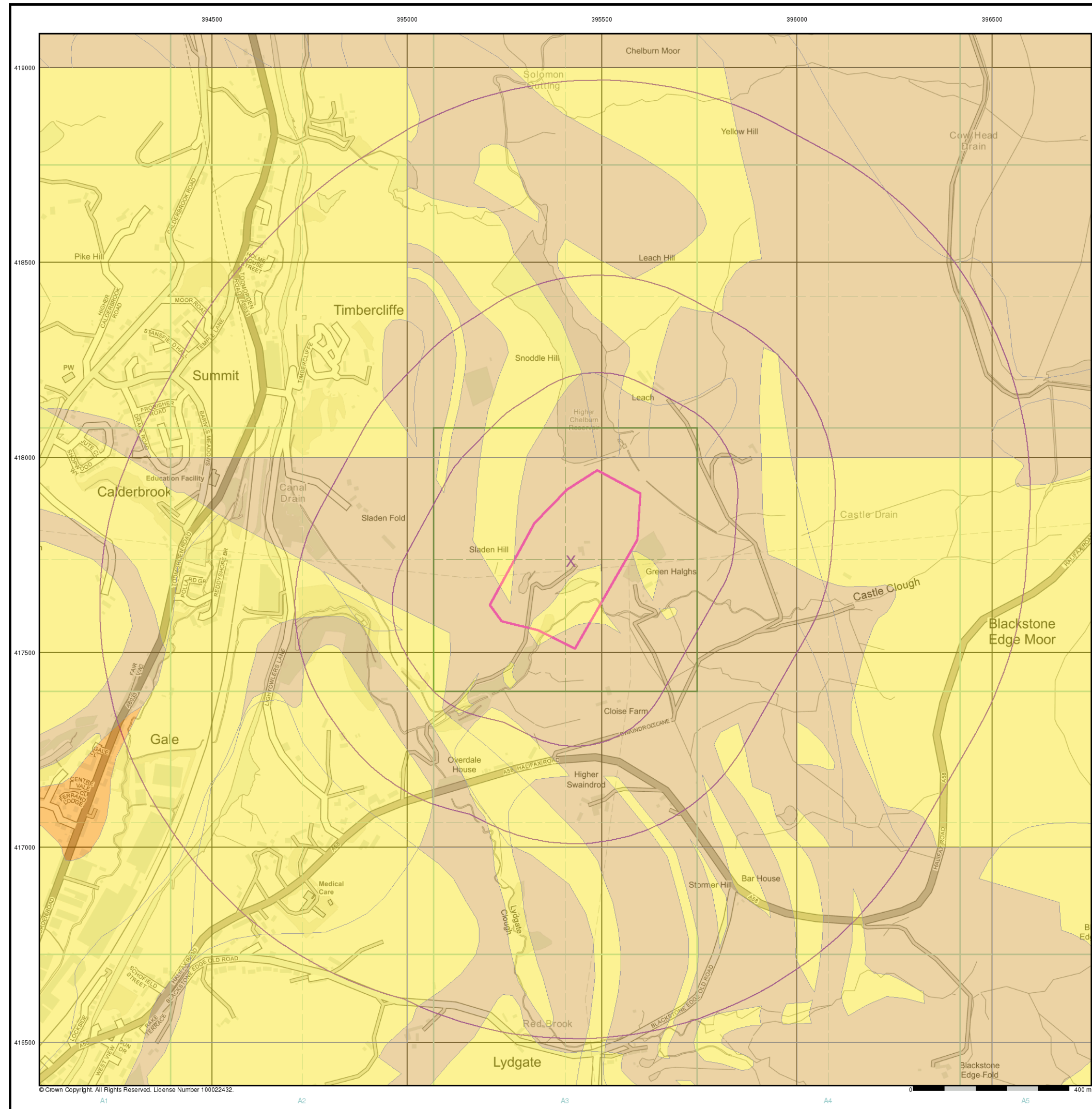
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Order Number: 329558604_1_1
Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

Site at 395460, 417780

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<http://www.landmarkinfo.co.uk/Terms/Show/515>



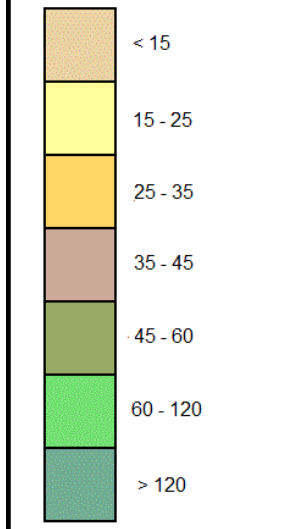
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General

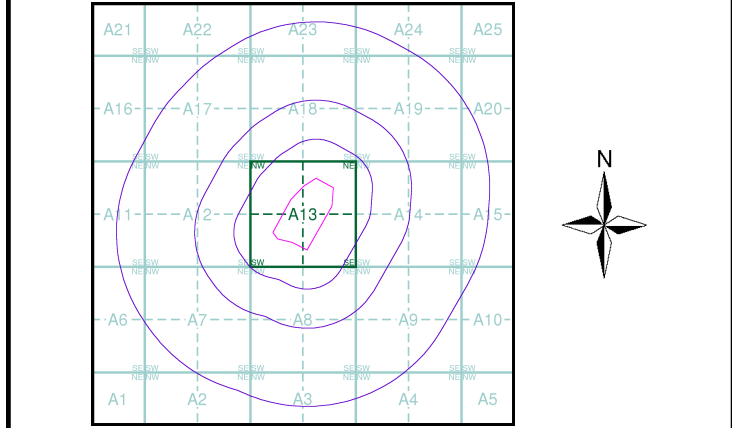
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- Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

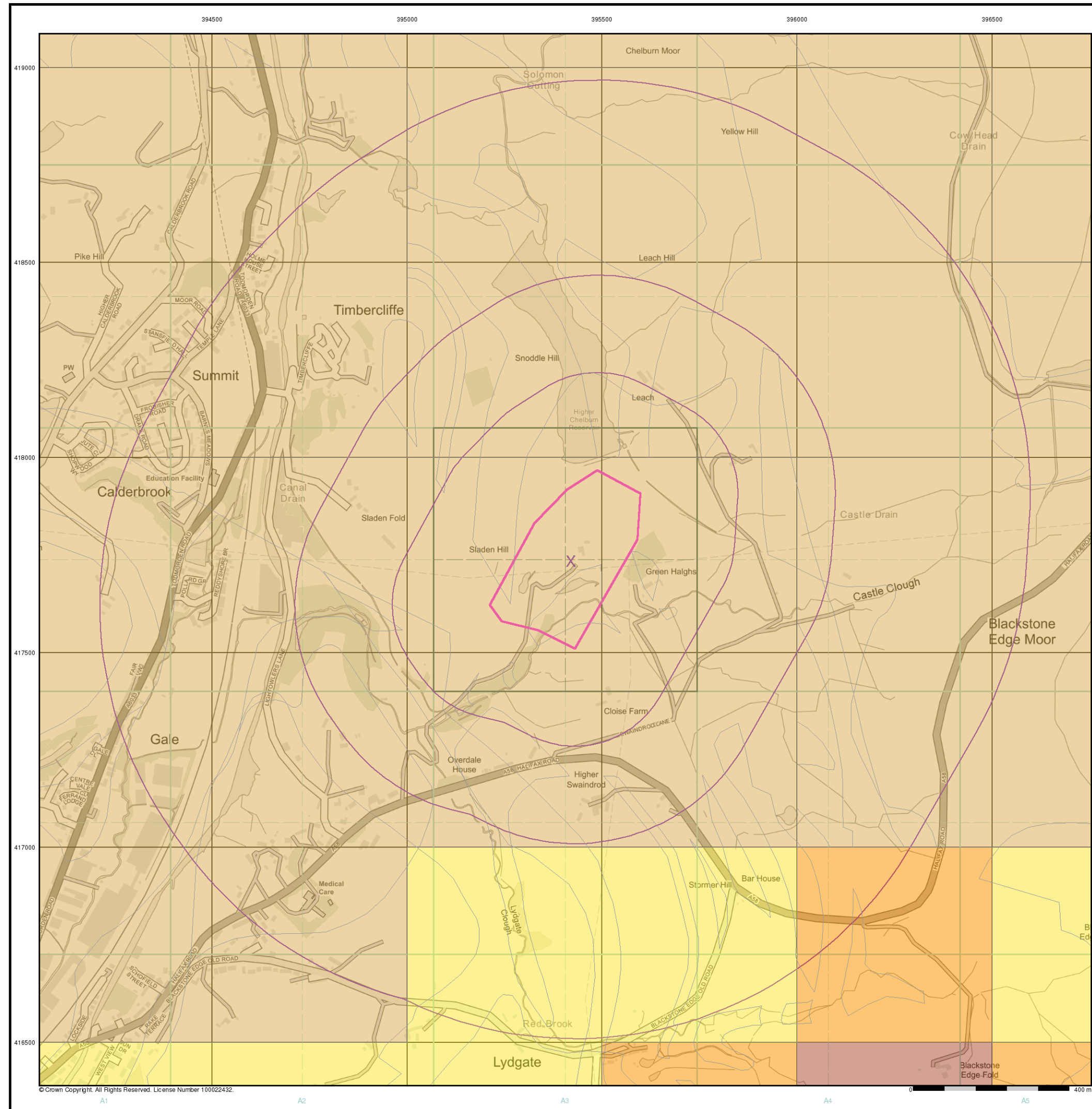


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Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
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Site Area (Ha): 10.06
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Site Details

Site at 395460, 417780



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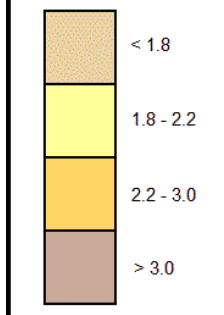
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General

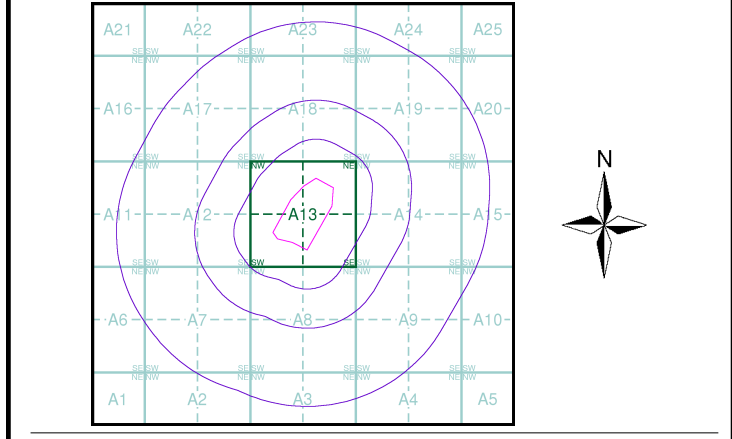
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

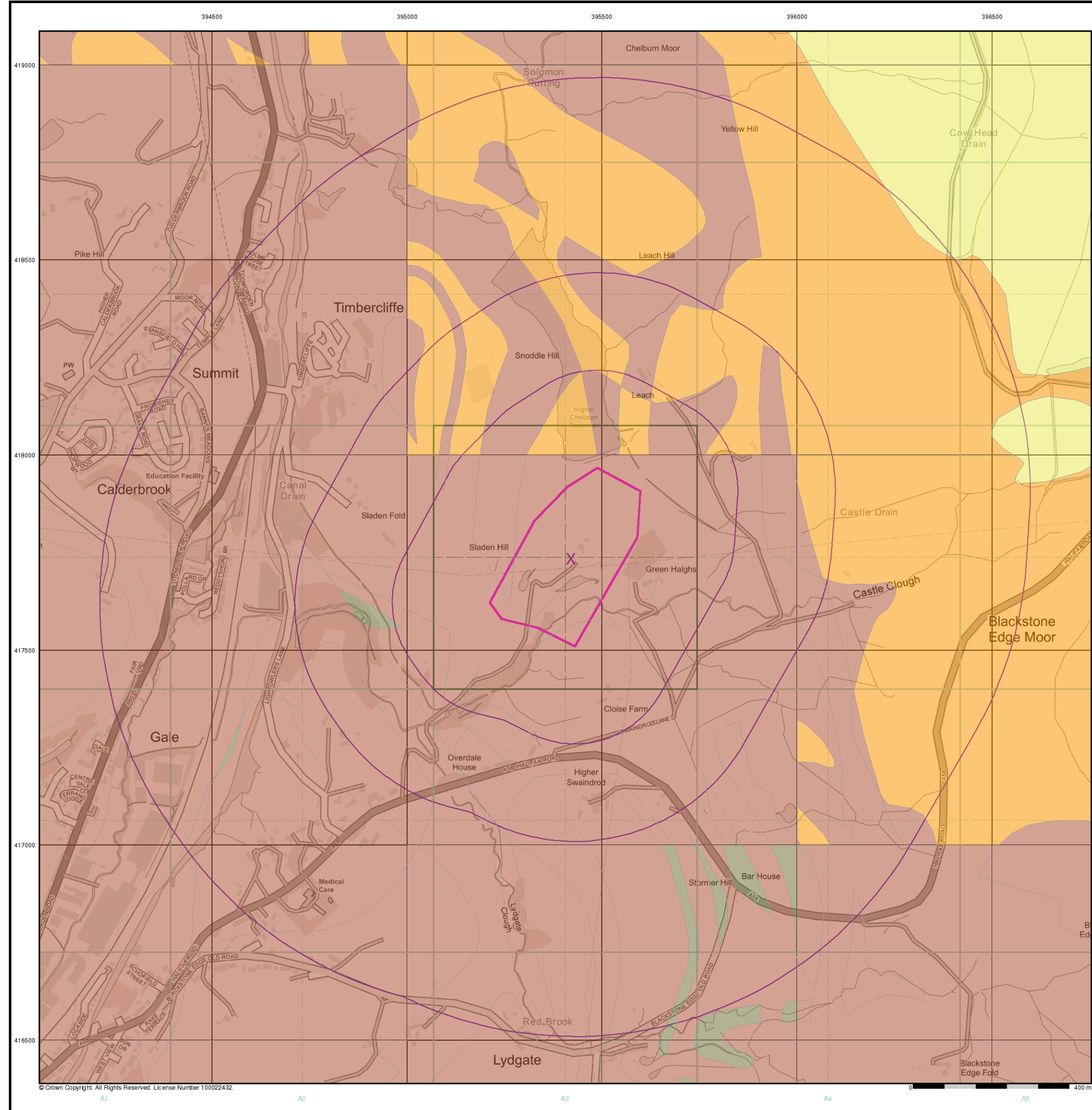
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Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details

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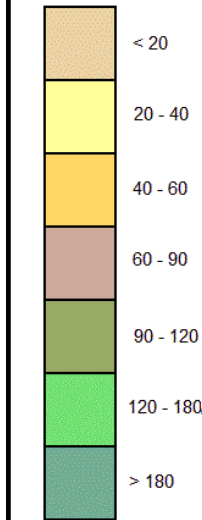
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General

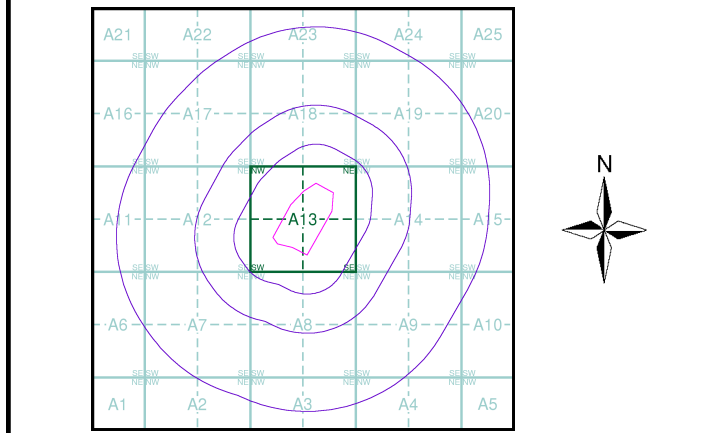
🔴 Specified Site 🟡 Specified Buffer(s) ✕ Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

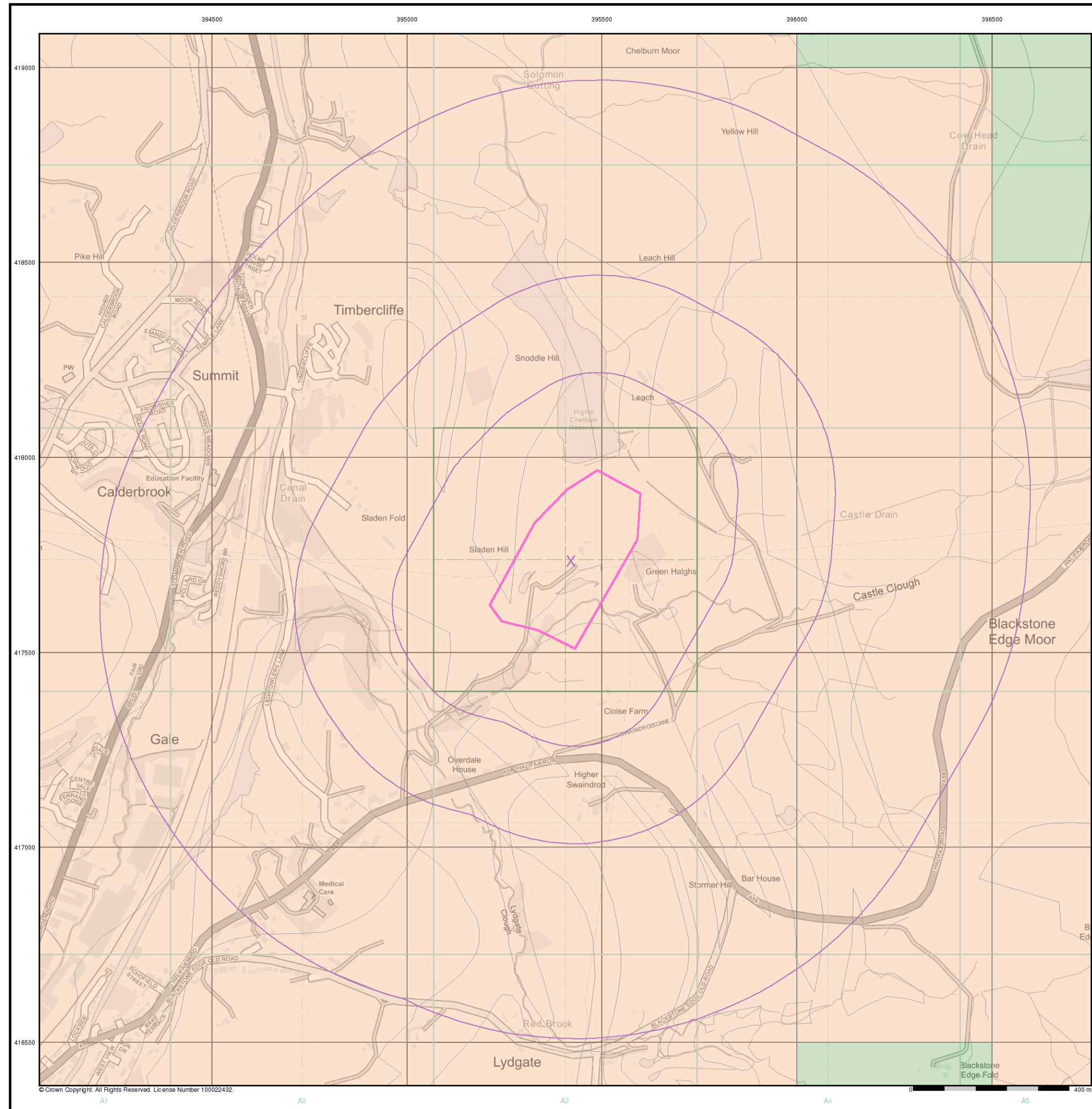


Order Details

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Slice: A
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Site Details

Site at 395460, 417780

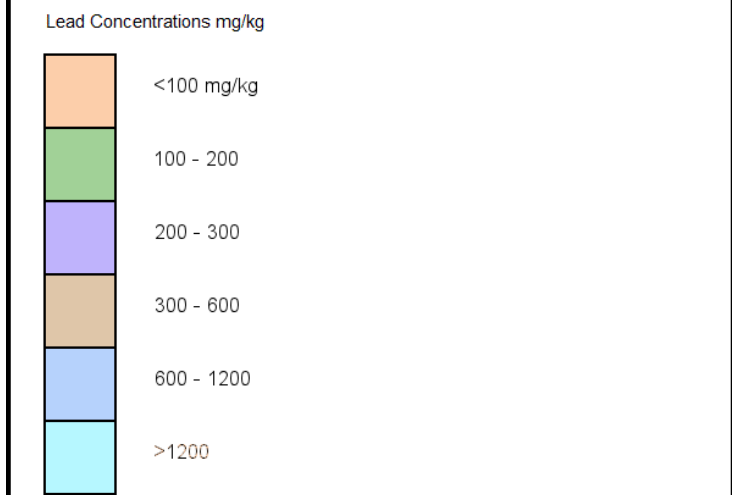


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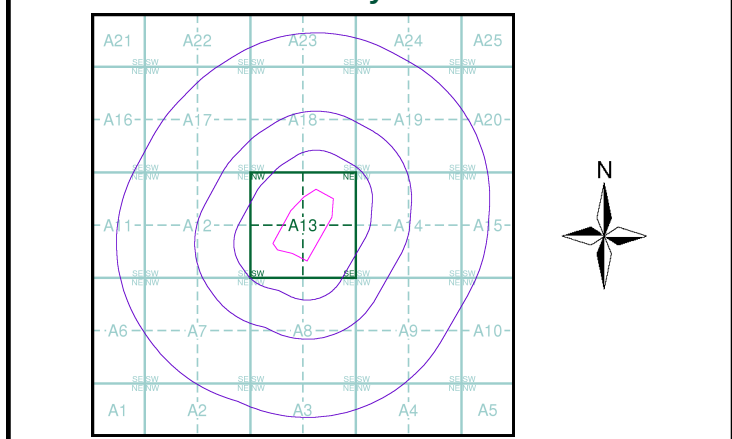
General

○ Specified Site ○ Specified Buffer(s) X Bearing Reference Point

Estimated Soil Chemistry Lead



Estimated Soil Chemistry Lead - Slice A

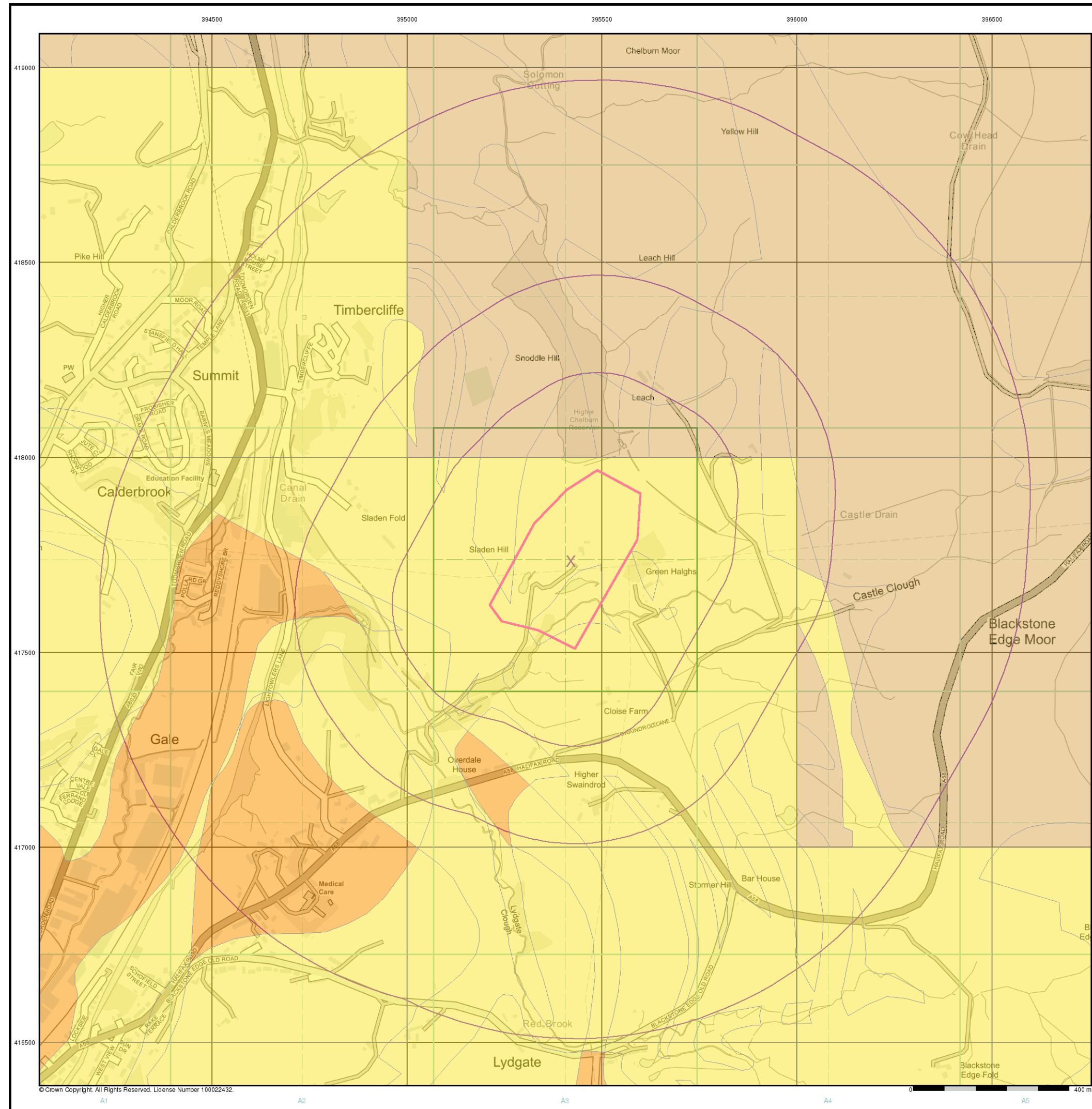


Order Details

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Site Details

Site at 395460, 417780

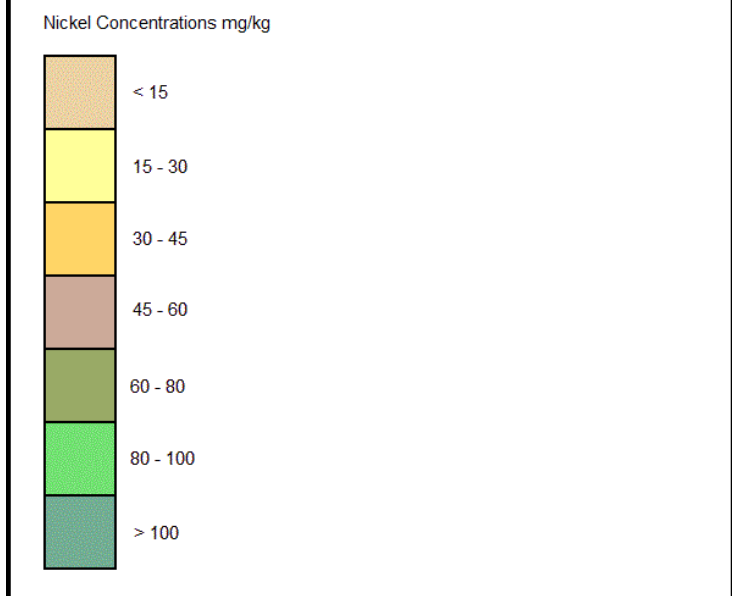


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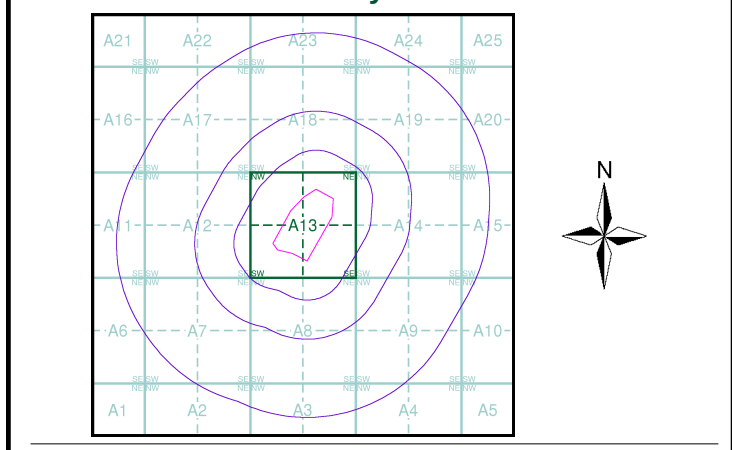
General

- 📍 Specified Site
- 📏 Specified Buffer(s)
- ✕ Bearing Reference Point

Estimated Soil Chemistry Nickel



Estimated Soil Chemistry Nickel - Slice A



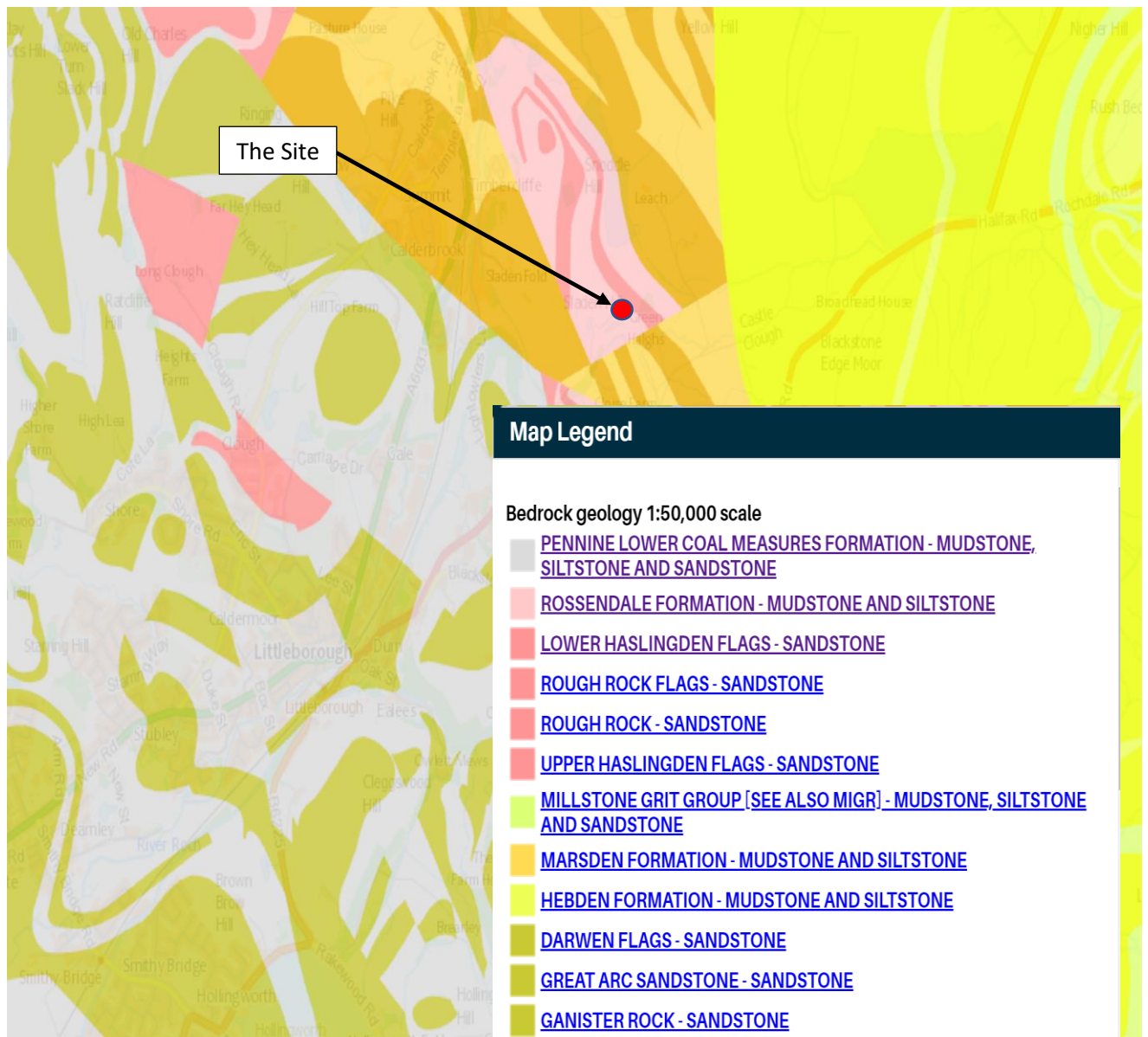
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Customer Ref: UAA-FPC1003
National Grid Reference: 395420, 417740
Slice: A
Site Area (Ha): 10.06
Search Buffer (m): 1000

Site Details
Site at 395460, 417780

APPENDIX 4

EXTRACT BGS INTERACTIVE MAP

APPENDIX 4 – EXTRACT BRITISH GEOLOGICAL SURVEY INTERACTIVE MAP – SCALE 1:50,000



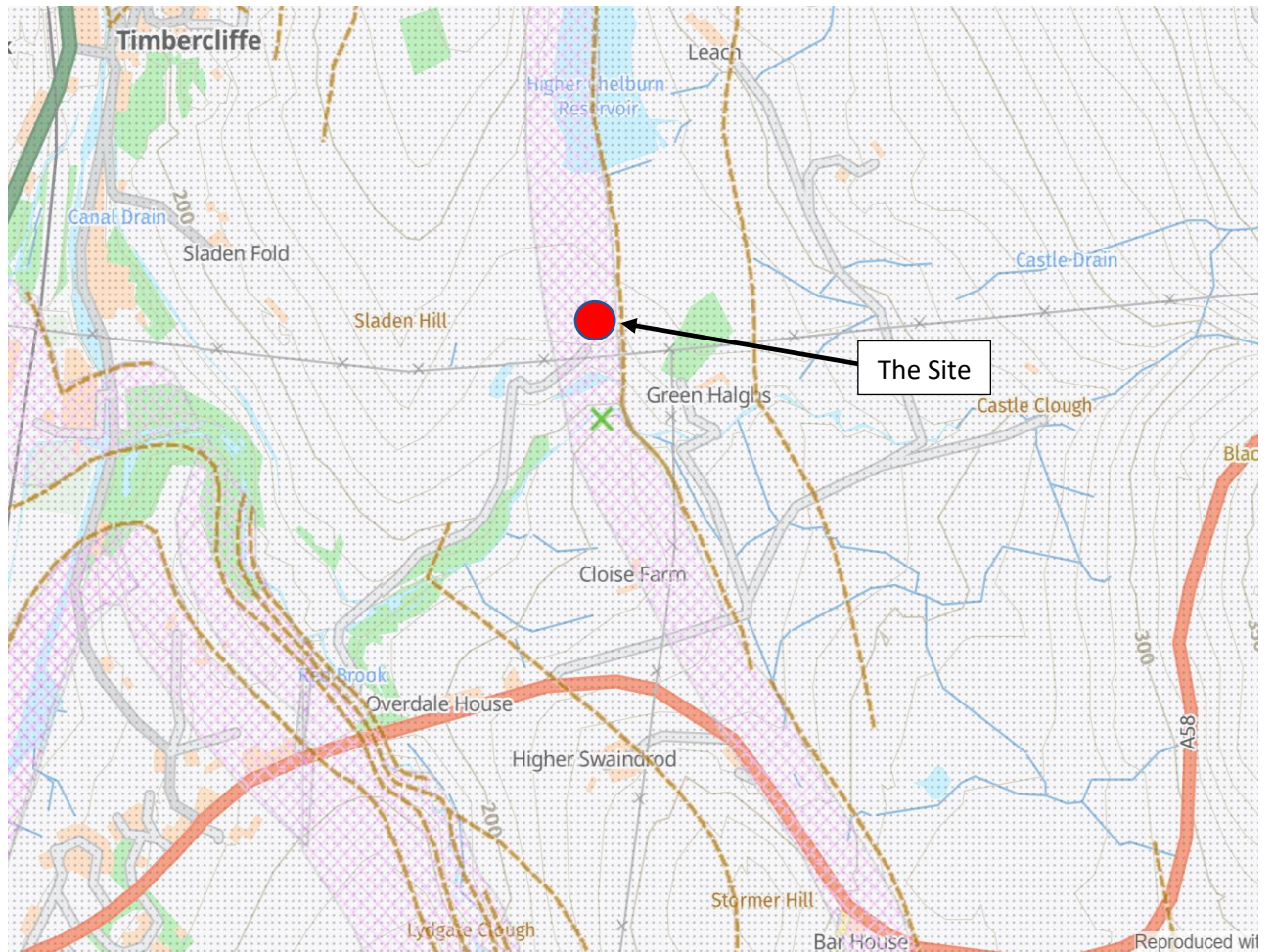
Rossendale Formation

Computer Code:	ROSSE	Preferred Map Code:	notEntered
Status Code:	Full		
Age range:	Yeadonian Substage (CY) — Yeadonian Substage (CY)		
Lithological Description:	A fine- to very coarse-grained and pebbly, feldspathic sandstone, interbedded with grey siltstone and mudstone, and subordinate marine black shales, thin coals and seatearths. Typically, the formation comprises a lower mudstone-dominated succession including two prominent marine shales, the Cancelloceras cancellatum and Cancelloceras cumbriense marine bands, and an upper sandstone-dominated succession, including the Rough Rock and Rough Rock Flags.		
Definition of Lower Boundary:	The sharp conformable base of the formation is taken at the base of the dark grey, fissile mudstone of the Cancelloceras cancellatum Marine Band with eponymous fauna, where the formation overlies the Marsden Formation. It typically overlies quartz-feldspathic sandstone of the Huddersfield White Rock (Yorkshire), Holcombe Brook Grit (Lancashire), Chatsworth Grit (Derbyshire).		
Definition of Upper Boundary:	The sharp conformable base of the dark grey, fissile mudstone of the Subcrenatum Marine Band with eponymous fauna present at the base of the Pennine Coal Measures Group. Typically rests upon coarse- or very coarse-grained and pebbly sandstone of the Rough Rock.		
Thickness:	Rochdale (Rossendale) 130m thick; Bradford and north Derbyshire 75m; Stainmore Trough and Askrigg Block 45m; north Isle of Man 26m.		
Geographical Limits:	Central Pennine Basin from Lancashire and West Yorkshire, between Lancaster [SD 47 61] and Harrogate [SE 30 55], extending southward to north Staffordshire [SK06], the Askrigg Block [SE 10 80] and Stainmore Trough [SD 85 15] and locally on the north of the Isle of Man [NX 46 00].		
Parent Unit:	Millstone Grit Group [See Also MIGR] (MG)		
Previous Name(s):	Rough Rock Grit Group [Obsolete Name and Code: Use ROSSE] (-3005)		
Alternative Name(s):	none recorded or not applicable		
Stratotypes:			
Type Area	The Forest of Rossendale provides excellent sections, representative of much of the succession including the sandstones of western (Haslingden Flags) and northern (Rough Rock) provenance, as well as a good exposure of the basal marine band. Wright et al, 1927.		
Reference Section	Elland Bypass (A629) roadcut, near Halifax [SE 103 215] 500m-long and up to 30m-high section in the Rough Rock and Rough Rock Flags. Bristow and Myers, 1989.		
Reference Section	Ballavaarkish (Shellag North) Borehole, north Isle of Man [NX 4625 0070] includes the Rossendale Formation from 138.4m to 164.55m depth, including a 7m-thick, fine- to coarse-grained, cross-bedded, feldspathic sandstone contemporaneous with (though mineralogically and apparently provincially distinct from) the Rough Rock of the Pennine Basin. Also occurring are palaeosols and lustricated claystones, one of which, near the base of the formation, may include the upper part of the Cancelloceras cumbriense Marine Band. Chadwick et al., 2001.		
Reference Section	BGS Winkley Borehole (SE 27 SE/9), in the southern part of the Askrigg Block [SE 2507 7150] includes the Rossendale Formation from approximately 29.7m to 55.89m depth. Cooper and Burgess, 1993.		
Partial Type Section	Orchard Farm stream section, southwest of Buxton [SK 0226 6903] is the Stage stratotype for the Yeadonian, with both the Cancelloceras cancellatum and Cancelloceras cumbriense marine bands present within a c.17m section Ramsbottom, 1981.		
Reference(s):			
Waters, C N, Barclay, W J, Davies, J R and Waters, R A. In press. Stratigraphical framework for Carboniferous successions of Southern Great Britain (Onshore). British Geological Survey Research Report, RR/05/06.			
Price, D, Wright, W B, Jones, R C B, Tonks, L H and Whitehead, T H. 1963. Geology of the country around Preston. Memoir of the Geological Survey of Great Britain, Sheet 75 (England and Wales).			
Ramsbottom, W H C. 1981. Fieldguide to the boundary stratotypes of the Carboniferous stages in Britain. Biennial Meeting of the Subcomission of Carboniferous Stratigraphy, Leeds.			
Chadwick, R A, Jackson, D I, Barnes, R P, Kimbell, G S, Johnson, H, Chiverell, R C, Thomas, G S P, Jones, N S, Riley, N J, Pickett, E A, Young, B, Holliday, D W, Ball, D F, Molyneux, S G, Long, D, Power, G M and Roberts, D H. 2001. Geology of the Isle of Man and its offshore area. British Geological Survey Research Report, RR/01/06.			
Stephens, J V, Mitchell, G H and Edwards, W N. 1953. Geology of the country between Bradford and Skipton. Memoir of the Geological Survey of Great Britain, Sheet 69 (England and Wales).			
Wright, W B, Sherlock, R L, Wray, D A, Lloyd, W and Tonks, L H. 1927. The Geology of the Rossendale Anticline. Memoir of the Geological Survey, England. England and Wales Sheet 76.			
Cooper, A H and Burgess, I C. 1993. Geology of the country around Harrogate. Memoir for 1:50000 geological sheet 62 (England and Wales). London: HMSO for the British Geological Survey.			
Bristow, C S and Myers, K J. 1989. Detailed sedimentology and gamma-ray log characteristics of a Namurian deltaic succession: sedimentology and facies analysis. 75-80 "in" Whateley, M K G and Pickering, K T. Deltas: sites and traps for Fossil Fuels, Geological Society Special Publication No.41.			
1:50K maps on which the lithostratigraphical unit is found, and map code used:			

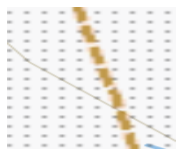
APPENDIX 5

EXTRACT THE COAL AUTHORITY INTERACTIVE MAP

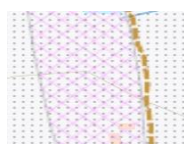
APPENDIX 5 – EXTRACT COAL AUTHORITY INTERACTIVE MAP



Map Legend



Coal Outcrop



Probable Working

APPENDIX 6

COAL MINING CON29M REPORT



The Coal
Authority

CON29M

coal mining report

SITE AT 395460, 417780, GREATER MANCHESTER



Known or potential coal mining risks

Past underground coal mining	Page 5
Future underground coal mining	Page 5
Mine entries	Page 6



Further action

These additional reports can give further detail on the risks identified:

- Mine entry interpretive report
- Mine entry plan and data sheets

For more information please see our **Further action reports** on page 11



Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, evidence of, or the potential for, coal mining related features have been identified. In view of the coal mining circumstances we would recommend that any planned or future development should follow detailed technical advice before beginning work on site. Please see **page 3** for further details on **Future development**.

Your reference: **329558604_3**
Our reference: **51003396839001**
Date: **29 December 2023**

Client name:
NLIS Hub

If you require any further assistance please
contact our experts on:
0345 762 6848
groundstability@coal.gov.uk



The Law
Society

Enquiry boundary

Key

Approximate position of enquiry boundary shown



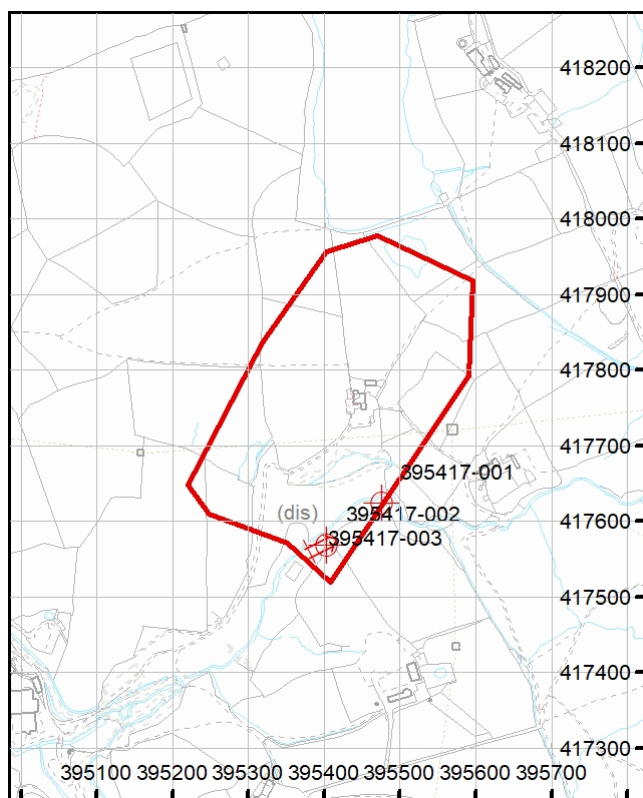
Disused adit



Disused mineshaft



We can confirm that the location is
on the coalfield



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This report is prepared in accordance with the latest Law Society's Guidance Notes 2018, the User Guide 2018 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.



Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email communications@coal.gov.uk.

Professional opinion



Mine entries

The enquiry boundary shows the approximate location of the disused mine entry/entries referred to in this report. Property owners have the benefit of statutory protection (under the Coal Mining Subsidence Act 1991). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage caused by disused coal mine workings including disused coal mine entries. A leaflet setting out the rights and obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by visiting www.coal.gov.uk. Please note this Act is not valid where coal was worked or extracted by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you wish to discuss the relevance of any of the information contained in this report, you should seek the advice of a qualified mining engineer or surveyor. If you or your advisor wishes to examine the source plans from which the information has been taken, these are available to view, at our Coal Authority head office in Mansfield. To book an appointment please call **01623 637 225**. Should you or your advisor wish to carry out a physical investigation that may enter, disturb or interfere with any disused mine entry, prior permission must be sought from the owner. For coal mine entries, the owner will normally be the Coal Authority.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency, 24 hour call out facility in coalfield areas to assess the public safety implications of mining features (including disused mine entries). To report an emergency you can call **0800 288 4242**.



Future development

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

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

If you are looking to develop, or undertake works, within a coal mining development high risk area your Local Authority planning department may require a Coal Mining Risk Assessment to be undertaken by a qualified mining geologist or engineer. Should you require any additional information then please contact the Coal Authority on **0345 762 6848** or email **cmra@coal.gov.uk**.

Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

The Coal Authority owns the copyright in this report and the information used to produce this report is protected by our database rights. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

1 Past underground coal mining

The property is in a surface area that could be affected by underground mining in 1 seam of coal at shallow depth, and last worked in 1880.

2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

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

4 Mine entries

Within, or within 20 metres of, the boundary of the property there are 3 mine entries, the approximate positions of which are shown on the enquiry boundary plot. For reasons of clarity, mine entry symbols may not be drawn to the same scale as the plan.

There is no record of what steps, if any, have been taken to treat the mine entries.

This information is based on the information that the Coal Authority has at the time of this enquiry.

Based on the Coal Authority's knowledge of the mining circumstances at the time of this enquiry, there may be unrecorded mine entries in the local area that do not appear on Coal Authority records.

For an additional fee, the Coal Authority can provide a Mine Entry Interpretive Report. The report will provide a separate assessment for the mine entry/entries referred to in this report. It gives an opinion on the likelihood of mining subsidence damage caused from ground movement as a consequence of the mine entry/entries. It also gives details of the remedies available for subsidence damage where the mine entry was sunk in connection with coal mining.

Please note that it may not be possible to produce a report if the main building to the property cannot be identified from Coal Authority plans (ie for development sites and new build).

For further advice on how to order this additional information please visit www.groundstability.com.

5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7 Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9 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.

10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

12 Withdrawal of support

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.

13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14 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.

Statutory cover



Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form



Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **0800 288 4242**. Further information can be found on our website: www.gov.uk/coalauthority.

Glossary



Key terms

adit - horizontal or sloped entrance to a mine

coal mining subsidence - ground movement caused by the removal of coal by underground mining

Coal Mining Subsidence Act 1991 - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

coal mining subsidence damage - damage to land, buildings or structures caused by the removal of coal by underground mining

coal seams - bed of coal of varying thickness

future opencast coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

future underground coal mining - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

mine entries - collective name for shafts and adits

mine gas - reports of alleged mine gas emissions received by the Coal Authority within the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded

payments to owners of former copyhold land - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

shaft - vertical entry into a mine

site investigation - investigations of coal mining risks carried out with the Coal Authority's permission

stop notice - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

subsidence claim - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

withdrawal of support - a historic notice informing landowners that the coal beneath their property was going to be worked

working facilities orders - a court order which gave permission, restricted or prevented coal mine workings



Further action reports

Mine entry interpretive report - assesses the risk of ground movement from mine entries in, or within 20 metres of, the property boundary. To order this report, use the same boundary as the CON29M report, then draw the building on the additional map screen.

For more information and to order this report please visit:

<https://www2.groundstability.com/interpretive-report>

Mine entry plan and data sheets - give additional information on mine entries recorded on a piece of land. To order this report use the same boundary as the CON29M report and a member of our team will contact you to confirm the mine entries to include in this bespoke report.

For more information and to order this report please visit:

<https://www2.groundstability.com/plan-and-data-sheets>

APPENDIX 7

LONGLEY HEY PRELIMINARY UNEXPLODED ORDNANCE (UXO) THREAT

ASSESSMENT



Longley Hey

Landmark Order No: 329558604_2

Client Reference: UAA-FPC1003

Preliminary Unexploded Ordnance (UXO) Threat Assessment

Meeting the requirements of the UK's
Construction Industry Research and Information Association's UXO Risk Management Framework
"Unexploded Ordnance (UXO) – A Guide for the Construction Industry" (C681)

Landmark Information Group in partnership with 6 Alpha Associates Ltd

Project No.: 10988

3rd January 2024

V1.0

Using This Report

This Preliminary Threat Assessment is designed to inform the reader whether military related Unexploded Ordnance (UXO) is likely to pose a hazard at the Study Site. The assessment is intended as a site-screening tool to meet with the requirement of Stage 1 of the *Health and Safety Executive* endorsed *CIRIA C681 UXO Risk Management Framework* – for which *6 Alpha* were the lead technical author. Whilst the term “Risk” can be justifiably used at this stage, the reader should note that the “Consequence” function of “Risk” is not considered.

There are two prospective outcomes of this report; either the threat level requires a Detailed Threat and Risk Assessment with Risk Mitigation Strategy (Stages 2 and 3 of the *CIRIA C681* framework); or no further action is required.

Two figures accompany the report, the first is the Site Boundary which clearly depicts the area covered by this assessment and the second is the Probability of UXO Encounter at the Study Site. The latter will illustrate any variance in the probability of encountering UXO throughout the Study Site.

Document Control

Version	Author(s)	Reviewed By	Recipient
1.0	Beth Skoulding	Laurence Gregory	Client Reference: UAA-FPC1003



Landmark Information Group

Imperium, Imperial Way

Reading, Berkshire

RG2 0TD

Tel: +44 (0) 330 036 6618

Web: www.envirocheck.co.uk

Document Scope

In partnership with the *Landmark Information Group*, *6 Alpha Associates Limited* (6 Alpha) has been commissioned to provide a UXO Threat Assessment for the Site described as “Site at 395460, 417780”, which is centred on *National Grid Reference* 395420, 417738.

Key Findings

During WWII, the Study Site was situated within *Littleborough Urban District*, which recorded less than one HE bomb strike per 100 hectares; categorised as a “very low” level of bombing.

Luftwaffe aerial reconnaissance photography did not identify any primary bombing targets on-site nor within a 1,000m radius of the Study Site boundary.

Neither *Air Raid Precaution* (ARP) records nor official bomb damage mapping associated with the Study Site was available. Nonetheless, extensive research of historical records, in addition to an analysis of post-WWII mapping, did not identify any evidence of bombing or bomb damage either on-site or within the immediate vicinity of the Study Site boundary.

An analysis of pertinent historical records supplemented with further *6 Alpha* research did not identify any evidence of significant military activity within 1,000m of the Study Site.

Recommendations

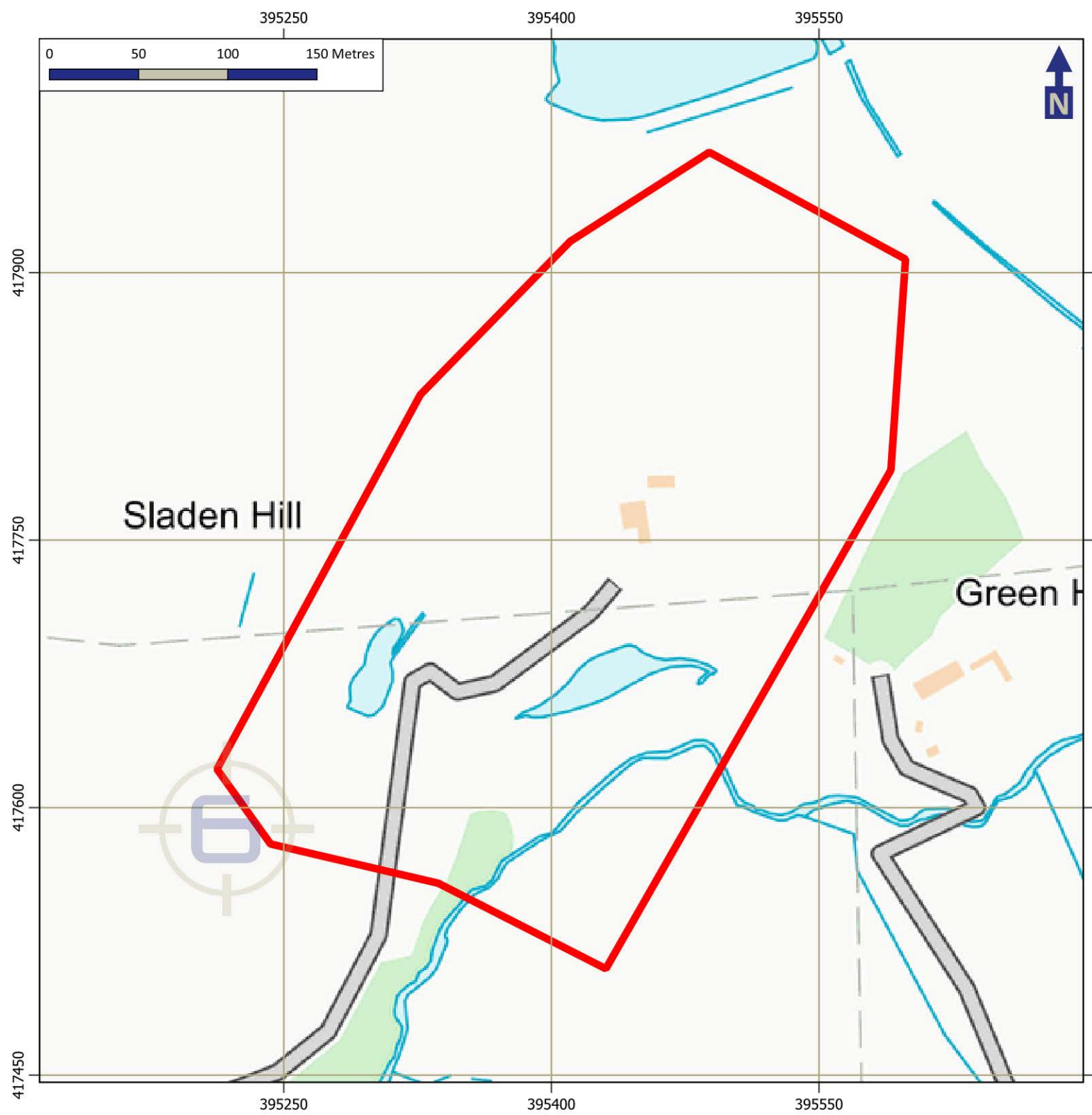
As there was no bombing, bomb damage or other military activity recorded in the Study Site’s immediate vicinity, *6 Alpha* do not consider that any further investigation into UXO is warranted. Therefore:

NO FURTHER ACTION IS REQUIRED

Constraints

The report is also constrained by the following factors:

1. The assessment levels have been generated from historical data and third-party sources. Where possible *6 Alpha* have sought to verify the accuracy of such data, but cannot be held accountable for inherent errors that may be in third-party data sets (e.g. *National Archives* or library sources);
 - a. Nonetheless, *6 Alpha* have exercised all reasonable care, skill and due diligence in producing this report;
2. Whilst every effort has been used to identify all potential UXO/explosive threats, there were a number of private facilities which may not have released privately recorded information concerning UXO/explosive threats into the public domain;
3. This report is accurate and up to date at the time of writing but cannot account for the release of new information, nor for new evidence concerning the potential for a UXO hazard to exist at this Study Site, which is disclosed after the date of the report's release. Should further evidence of UXO sources be found, or if UXO is found at the Site or nearby in the future, then this assessment for the Study Site is to be reassessed and updated by *6 Alpha*.



Site Boundary



LEGEND

 Site Boundary



British National Grid

Address

Site at 395460, 417780

PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE
10988	1	RT	LG	02/01/2024

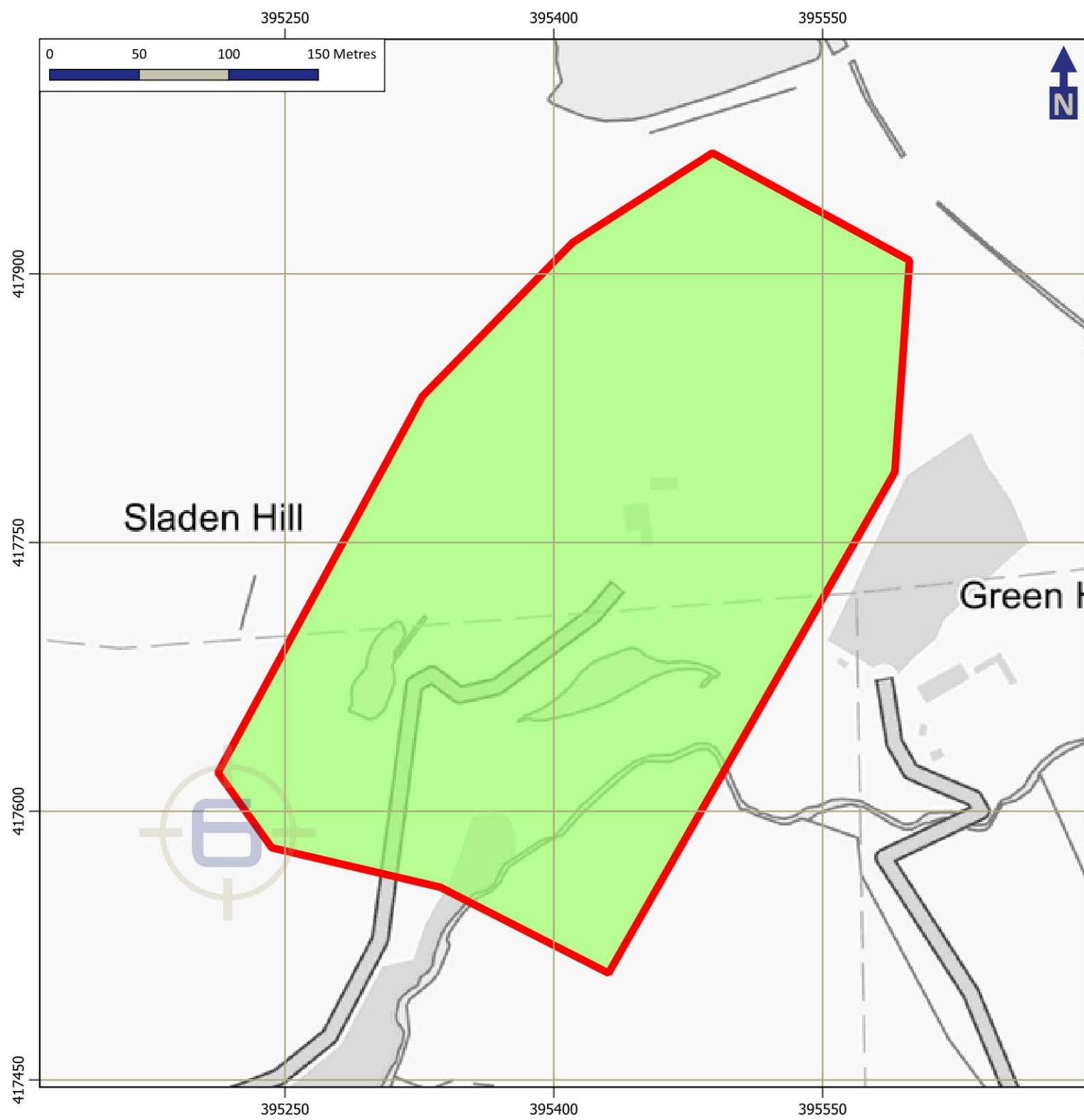


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WWW.6ALPHA.COM

E: ENQUIRY@6ALPHA.COM | T: +44 (0)203 371 3900



Probability of UXO Encounter



LEGEND

Site Boundary

Probability of UXO Encounter

Likely

Unlikely



British National Grid

Address

Site at 395460, 417780

PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE
10988	2	RT	LG	02/01/2024



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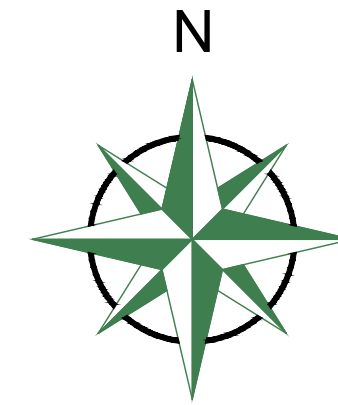
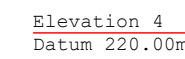
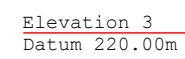
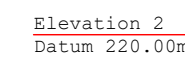
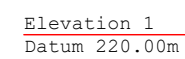
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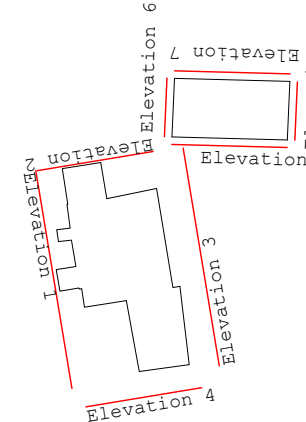
E: ENQUIRY@6ALPHA.COM | T: +44 (0)203 371 3900

APPENDIX 8

PROPOSED SITE DEVELOPMENT PLANS



Site Notes:



MEASURED BUILDING SURVEY KEY:-

	ROOM HEIGHT			SANITARY WARE
—	ROOF SLOPE (DOWN)			
hh	HEAD HEIGHT			
fh	FLOOR TO HEAD			
dh	FLOOR TO HEAD			
t/s	UNDERSTAIR			
s/c	TOPSIDE			
	SUSPENDED CEILING			DOORS
	ROOF RIGTH			
fp	FIREPLACE			WINDOW
sd	SLIDING DOOR			BUILDING LINE
cup	FLOOR CUPBOARD			WALL
elec	ELECTRICS			BEAM
rad	RADIATOR			RAFTER
htr	HEATER			
hwt	HOT WATER TANK			

Fosse Surveying Limited
The Old Vicarage, Market St, Castle Donington, DE74 2JB
Tel: 0116 2325169
Mobile: 07940 147244
Email: mail@fossesurveying.co.uk / Website: www.fossesurveying.co.uk

Client Fourway Projects

Client	Fourway Projects
Project	Longley Hey Farm Halifax Road, Littleborough OL15 0LB

Title	Elevations 1-4
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Surveyed:	LS	Date:	20/03/2023
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Quality Ref: 2091 Scale: 1:200@A1

Level Datum: OS GNSS Grid: OS GNSS

3rd Apr	2001	Page
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Job No. 2091	Rev.
Comments:	

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The level datum GPS derived at
No Scale factor has been applied to the survey therefore

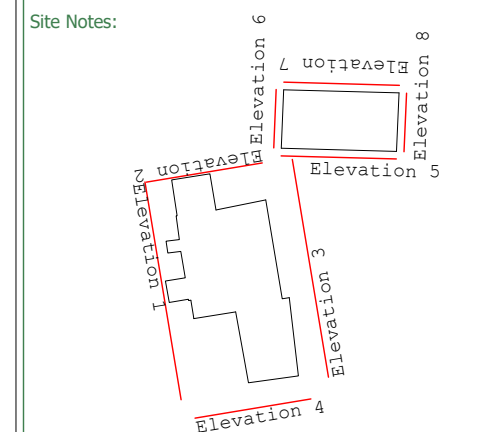
coordinates shown are arbitrary and not true OS which factor applied.

All critical dimensions to be verified on site before design construction takes place. All dimensions shown are in mm.

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1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

[illegible]



ro	ROOM HEIGHT	no	SANITARY WARE
sh	ROUGH SLOPE (DOWN)	to	
h	SILL HEIGHT	to	
fh	HEAD HEIGHT	am	DOORS
dh	FLOOR TO HEAD		
u/s	DOOR HEIGHT		
a/c	UNDERSIDE		
r	TOPSIDE		
fp	SUSPENDED CEILING		
rd	ROOFLIGHT		
fb	FIXED FLOOR		
cup'd	FLUORBOARDS		
elec	CUPBOARD		
	ELECTRICS		
	RADIATOR		
	HEATER		
	HOT WATER TANK		

Client	Fourway Projects	
Project	Longley Hey Farm Halifax Road, Little Borough OL15 0LB	
Title	Elevations 5-8	
Surveyed:	LS	Date: 20/03/2023
Quality Ref:	2091	Scale: 1:100@A2
Level Datum:	OS GNS5	Grid: OS GNS5
Job No.	2091	Rev.

Comments:
The survey has been orientated to the Ordnance Survey (OS) National Grid (OSGB36) via a GPS and the OS active network. The level datum GPS derived at
No Scale factor has been applied to the survey therefore the coordinates shown are arbitrary and not true OS which has a scale factor applied.

All critical dimensions to be verified on site before design - construction takes place. All dimensions shown are in meters.
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