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PHASE 1 ENVIRONMENTAL DESK STUDY REPORT

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Report on a Phase One Desk Study

Location: Land adjacent to 18B Cowlersley Lane, Huddersfield
West Yorkshire, HD4 5TY

For: Luke Stead

Report No. C4351/24/E/6662

Report date: June 2024

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

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1. Introduction

The site comprises an area of land located on Cowlersley Lane, Huddersfield West Yorkshire, HD4 5TY. The site is approximately 0.05 hectares in size and its National Grid reference is centred around 411076 415570.

It is understood that the development proposals currently comprise the construction of two new residential properties with associated garden and car parking areas. In order to assist with this decision-making process, and any planning and construction aspects of the development, a phase one environmental desk study has been commissioned and is the subject of this report.

In accordance with issued guidance, a site walkover was conducted on the 19th June 2024 and the following observations were made:

General site description/current site use

The site comprises a small field.

Site boundaries/access

The site is accessible via a small gate to Cowlersley Lane and a larger vehicle gate from the neighbouring property to the east.

Topography

The site generally slopes gently to the east. A small mound is located in the northwest. The northern boundary of the site is a sheer cliff face dropping towards the former quarry.

Surface cover of site

The site is overgrown with vegetation.

Visible evidence of contamination/ contaminative sources

The mound located in the northwest of the site may contain waste material, however, there were no other visible signs of contamination present during the time of the walkover.

Presence of vegetation and wildlife

The site was overgrown with vegetation. This will need to be cleared prior to any site investigation. Vegetation seems to be healthy with no evidence of degradation. There were no obvious signs of invasive flora, fauna, nesting birds, burrowing animals or edible plants observed during the time of the site walkover.

Services

The status of underground services is unknown. An overhead cable passes above the southwest corner.

Site neighbours

The site is located within a residential area.

In order to ensure that the site is fully characterised and to comply with the Environment Act 1995¹, a Phase One Desk Study has been commissioned by Luke Stead. The desk study is intended to assess the environmental impact of historical, current and future factors on the development. This report will present the data obtained and provide a conceptual ground model and preliminary risk assessment as well as discussing the scope of any intrusive investigation that may be required. This report does not consider ecological impacts (e.g. bats) or botanical risks (e.g. Japanese Knotweed).

2. Review and Summary of Published Data

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

- | | |
|-----------------------------|--------------|
| • Site Plan | - Appendix 1 |
| • Historical maps | - Appendix 2 |
| • Groundsure Reports | - Appendix 3 |
| • Photographs | - Appendix 4 |
| • Coal Mining CON29M Report | - Appendix 5 |

The data obtained from the above-mentioned sources has been summarised below².

¹S57 of the Environment Act 1995 inserted the contaminated land regime into the Environmental Protection Act 1990 (Part 2A). The regime **'provides a risk-based approach to the identification and remediation of land where contamination poses an unacceptable risk to human health or the environment'** See <http://www.environment-agency.gov.uk/research/planning/40405.aspx>. This places a duty on local authorities to inspect their areas for contaminated land and require its remediation using the 'suitable for use' approach. Much of this duty is discharged via the planning regime under the Town and Country Planning Act 1990 as historical land contamination is a 'material planning consideration.' The local authorities are required to secure the removal of unacceptable risks via remediation of the land, to therefore ensure the site is suitable for its new use. This is fulfilled via completion of a Phase One Environmental Desk Study, Phase Two Intrusive Investigation, Phase Three Remediation Strategy and Phase Four Validation Report. Therefore, as a minimum, once a site has been developed it should not be capable of being designated as 'contaminated land' under Part 2A of the Environmental Protection Act 1990, as inserted by the Environment Act 1995 (see also PPS 23 Planning and Pollution Control Section 8)

² This report is a summary only and reference must be made in full to the information provided in the Groundsure Report.

2.1 Historical Land Use

Table 1: Historical Land Use³

HISTORICAL MAPPING SUMMARY		
Map Dates	On site	Within 250m
1854	The site comprises an un-developed parcel of land.	Cowlersley Lane bounds the site to the south. Manchester Road – 50m N Sandstone quarry – 50m E, from northern boundary of the site to 240m SW, 250m N Pond – 120m NW Canal – 130m N
1890 - 1893	The site remains unchanged.	Tanks – 100m SW, 250m NE Waste Mill – 140m SW Chemical Works and associated tanks – 160m N Wool Mill – 200m NE, 250m NW Cotton Mill - 200m N
1906 - 1913	The site remains unchanged.	Tanks – 150m N, 150m N Tramlines installed within Manchester Road – 50m N Quarry infilled, residential properties constructed above – 50m E
1918 - 1956	The site has been divided into two smaller fields.	Quarry partially constructed over – 20m NW to 160m W Chemical works - 140m N
1960 - 1990	The site is no longer divided.	Works - 5m NW Tramlines removed from Manchester Road – 50m N Service Station – 60m N Worked Ground – 60m N, 200m NW Pond infilled – 120m N Waste mill no longer shown – 140m SW Tanks no longer shown - 100m SW, 150m N, 150m N, 250m NE
1993 - Present	The site remains unchanged.	Quarry infilled – 160m W, 250m N Worked ground levelled - 60m N, 200m NW Electric Substations – 160m W, 180m E, 200m N

NB. All distances given are approximate only.

2.2 Published Geology and Geological Hazards

Table 2: Geological Data for the Site

BGS MAPPING DATA			
Strata Type	Strata Name ⁴	Previous Name ⁴	Description ⁵
Made Ground/Fill	N/A	N/A	Not indicated on site although made ground associated with a sandstone quarry is present immediately north of the site.
Superficial Geology	N/A	N/A	Not indicated to underlie the site.
Solid Geology	Huddersfield White Rock	-	The Huddersfield White Rock is a medium- to coarse-grained, massive to flaggy, cross-bedded, micaceous sandstone.
GEOLOGICAL FEATURES			
Type	Location	Features	Comments
Mining Activity	On site	Coal mining	The study site is not located within the specified search distance of an identified mining area.
		Non-coal Mining	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered.

³ See Appendix 3

⁴ Sources: British Geological Survey (NERC) Map Sheets 77; Huddersfield; Solid and Drift Edition, and Geology of Britain Viewer [online resource from www.bgs.ac.uk]

⁵ Sources: British Geological Survey (NERC) Lexicon of Named Rock Units [online resource from www.bgs.ac.uk]

Faults	No data	No data	No data.
Landslip Deposits	No data	No data	No data.
BGS BOREHOLE DATA			
Reference ⁶	Location	Strata Description	Depth (Bottom)
SE11NW266	430m NE	Tarmac	0.2m
		Dark brown clayey SAND with fine gravel size broken sandstone	0.9m
		Brown very clayey SAND and broken sandstone	1.1m
		Medium dense light brown weathered and broken SANDSTONE with traces of brown very sandy clay	1.9m
		Dark brown medium grained clayey SAND with gravel to boulder sized angular sandstone	2.7m
		Light brown medium-coarse grained weathered SANDSTONE	3.9m
NATURAL GROUND SUBSIDENCE & HAZARDS ⁷			
Type		Risk Rating	
Potential for shrinking or swelling clay ground stability		Negligible.	
Potential for running sand ground stability		Very Low.	
Potential for compressible ground stability		Very Low.	
Potential for collapsible ground stability hazards		Very Low.	
Potential for landslide ground stability		Very Low.	
Potential for ground dissolution stability		Negligible.	
Radon		The property is in a Radon Affected Area, as between 3 and 5% of properties are above the Action Level. Basic radon ⁸ protective measures are necessary in the construction of new dwellings or extensions.	

⁶ <https://mapapps2.bgs.ac.uk/geoindex/home.html>

⁷ See Groundsure report

⁸ In outline, 'basic' radon protective measures involve the fitting of a gas tight ground barrier to protect against radon ingress. This should cover the whole building foot print and be lapped to the damp proof course in the walls and sealed around service penetrations. In addition, the membrane should also act as a damp-proof barrier. 'Full' radon protective measures requires the radon-proof ground barrier, together with a sump in the foundation, ready to take a fan if high levels of radon are detected after occupancy.

2.3 Construction Issues

2.3.1 Foundation Construction

On the basis of the prevailing geology and assuming that there are no areas of significantly filled ground, it is anticipated that shallow strip or spread foundations could be utilised at this site. It should be appreciated that an intrusive investigation will be required to validate this opinion. Moreover, it is possible that undifferentiated strata within the Huddersfield White Rock may include very fine-grained rocks which are likely to have weathered to cohesive soils at or near the surface. Such soils could be sensitive to soil moisture variations and thus be susceptible to desiccation as result of tree root action. In light of this, it is possible that footings within the zone of influence of trees (existing or previously removed), may need to be founded at extended depths in excess of 1m.

As per section 15 of the decision notice (Ref: 2023/62/90582/W), the impact of the development on the quarry wall located immediately north of the site must be considered. Given the significant height of the quarry wall and the proximity of the development to its edge, it is possible that the additional stress presented by the construction of the development could impact the stability of the wall. A rotary investigation into the quality of the underlying rock will need to be undertaken to gather this data. Should the quality of the rock be found to be insufficient, a piling solution may need to be installed to a depth exceeding the height of the wall.

2.3.2 Site Won Materials

Where sandstone outcrops, it is possible that the resulting soil may provide a suitable bulk granular fill and may prove suitable for re-compaction.

2.3.3 Disposal of Site Materials

If made ground is present, then contamination/WAC testing will be required to establish the nature of the underlying soil before disposal to a licensed landfill site. However, it is anticipated that the naturally occurring soils would not be significantly contaminated, thus would probably be accepted by a waste disposal site catering for inert material.

2.4 Mining and Natural Cavities

2.4.1 Coal Mining

A Coal Mining CON29M Report has been provided that is included in appendix 5 of this report and may be summarised as follows:

Table 3: Summary of the Consultant's Coal Mining Report			
Has the report highlighted evidence or potential of:			
Ref	Mining Feature	Yes/No	Comments
1	Past Underground Coal Mining	No	The property is not in an area where there are any maps to show that workings having taken place within influencing distance of the property.
2	Present Underground Coal Mining	No	The property is not in the likely zone of influence of any present underground coal workings.
3	Future Underground Coal Mining	No	The Coal Authority has not granted a licence to extract coal using underground methods in the area of this property. The property is not in an area that is likely to be affected at the surface from any planned future workings. No notices under section under 46 of the Coal Mining Subsidence Act 1991 have been served which affect this property.
4	Mine Entries	No	There are no known or recorded coal mine entries within, or within 20 metres of, the boundary of the property
5	Coal Mining Geology	No	No geological fissures, breaklines and/or other lines of weakness are present in the area that may have been affected or created by coal mining.
6	Past Opencast Coal Mining	No	The property is not inside the boundary of an opencast site from which coal has been removed by opencast methods.
7	Present Opencast Coal Mining	No	The property is not within 200 metres of an opencast site from which coal is being removed by opencast methods.
8	Future Opencast Coal Mining	No	The property does not fall within 800 metres of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods. The property does not fall within 800 metres of an opencast site for which a licence to remove coal by opencast methods has been granted..
9	Coal Mining Subsidence Claims	No	The Coal Authority has not received a damage notice or claim for the property since 1 January 1994. There is no current Stop Notice delaying the start of remedial works or repairs to the property.
10	Mine Gas Emissions	No	There is no record of any action being required by the Coal Authority as a result of a mine gas emission within the boundary of the property..
11	Emergency Surface Hazard Call Out Incidents	No	There is no record of any action being required by the Coal Authority as a result of a surface hazard within the boundary of the property.
12	Withdrawal of Support	No	The property is not in an area for which a notice of entitlement to withdraw support has been published.
13	Working Facilities Orders	No	The property is not in an area for which 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	No	The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

2.5 Waste Management and Gas Monitoring

Table 4: Landfill Data and Artificial Ground, Recorded and Anticipated			
ENVIRONMENT AGENCY, LOCAL AUTHORITY, BGS & HISTORIC LANDFILLS			
Waste Type	Location	Comments	Monitoring Requirement
Active Landfill	Within 250m	None recorded within 250m	N
Historic Landfill	82m NW	Site Reference: 4700/0722 Waste Type: Inert, Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 03/11/1989 Licence Surrender: 28/04/1994	Y
Historic waste sites	156m N	Type: Waste transfer station	N
Licenced waste sites	153m N	Type: Metal Recycling Site	N
	211m N	Type: Metal Recycling Site	
	228m NW	Type: 75kte Vehicle Depollution Facility	
Waste Exemptions	154m N	Recovery of scrap metal	N
	167m N	Storage of waste in a secure place	
	192m E	Sorting and de-naturing of controlled drugs for disposal	
	202m N	Storage of waste in a secure place	
	214m N	Recovery of scrap metal	
	227m E	Sorting and de-naturing of controlled drugs for disposal	
MADE GROUND & INFILLED GROUNDWORKINGS			
Description	Location	Comments	Monitoring Requirement
Records of Potentially Infilled Features	Adjacent N	Infilled Ground	Y
	12m N	Made Ground	Y
	50m E	Infilled Quarry	Y
	60m N	Worked Ground	Y
	64m W	Worked Ground	Y
	120m NE	Infilled Pond	Y
	237m SW	Worked Ground	N
	238m W	Made Ground	N
	250m N	Infilled Quarry	N

2.6 Hydrogeology, Hydrology

Table 5: Ground/Controlled Water Sensitivity and Flooding			
ENVIRONMENT AGENCY AQUIFER DESIGNATION⁹			
Strata	Designation	Description	
Solid Geology On Site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.	
GROUNDWATER SENSITIVITY¹⁰			
Description	Location	Details	
Source Protection Zone	-	None recorded within 250m.	
Abstraction Licences	-	None recorded within 250m.	
Records of Part A(2) and Part B Activities and Enforcements	-	None recorded within 250m.	
Records of Licensed Discharge Consents	-	None recorded within 250m.	
High Soil Leaching Potential	On Site	The soil in urban areas can be highly permeable.	
CONTROLLED WATERS¹¹			
Description	Location	Details	
River Network Entries	132m N 196m N	Canal River Colne	
Surface Water Features	Within 250m	1 surface water record present within 250m. Unknown type.	
POLLUTION INCIDENTS¹²			
Pollutant	Receptor	Location	Date
Atmospheric Pollutants and Effects	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)	166m N	Sept 2003
Specific Waste Materials	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)	168m N	Jan 2022
Atmospheric Pollutants and Effects	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)	200m N	May 2009
Atmospheric Pollutants and Effects	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)	200m N	Jun 2009
Specific Waste Materials	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)	239m NW	Nov 2008
ENVIRONMENT AGENCY FLOOD RISK¹³			
Description	Location	Details	
Zone 2	-	The site is not situated within a Zone 2 flood plain.	
Zone 3	-	The site is not situated within a Zone 3 flood plain.	
Flood Defences	-	None recorded within 250m.	
Groundwater Flooding Area	-	Negligible potential for groundwater flooding to occur.	

⁹ See Appendix 2¹⁰ See Appendix 2¹¹ See Appendix 2¹² See Appendix 2¹³ See Appendix 2

2.7 Sensitive Land Use

Table 6: Sensitive Land Uses within 250m

REGISTERED SENSITIVE LAND USES ¹⁴		
Description	Location	Details
Nitrate Vulnerable Zone	-	None recorded within 250m.
Green Belt Land	45m N	South and West Yorkshire
SSSI	Onsite	Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m ² , slurry lagoons & digestate stores > 4000m ² . Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.

2.8 Industrial Land Use and Potential Sources of Contamination

In order for a conceptual site model and preliminary risk assessment to be completed the historical maps and Groundsure data requires analysis to identify any past or present activities on the site and in the area that may have the potential to cause contamination on the site. Guidance has been issued by the Environment Agency, NHBC and Chartered Institute of Environmental Health.¹⁵ Within this document, annex 3 provides examples of important contaminants that are associated with individual uses of land. This data assists in the formulation of any chemical testing regime.

Those that we consider potentially contaminative according to the guidance are given below:

Table 7: Potentially Contaminative Sources

HISTORICAL		
Land Use	Location	Classification
Unspecified Heaps	52m NW	Artificial/made ground.
Quarries/Pits/Workings/ Infilled Features	0m N – 250m W 50m E 120m N	
Infilled Canal	133m N	
Service Station	60m N	Road vehicle fuelling, service and repair: garages and filling stations.
Unspecified Mills/Works	175m NE - 206m NE 204m N 207m NW - 227m NW	Unspecified works/factories/features.
Electric Substations	160m W 280m E 200m N	
Chemical Works	136m N - 154m N	Chemical Works

¹⁴ See Appendix 2

¹⁵ Guidance for the Safe Development of Housing on Land Affected by Contamination, R&D Publication 66: 2008 Volume 1 and 2.

CURRENT		
Land Use	Location	Classification
Electricity Sub-station	20m NW 200m SW 249m NE	Unspecified works/factories/features.
Works	42m NW 203m N 235m NW - 239m NW	
Tanks	195m N 220m N	
Scrap Metal Merchants	203m N 235m NE	
Stone Quarrying and Preparation	239m NW	
ETP Chemicals	214m N	Chemical Works
TANKS (Buried and Above Ground)		
Land Use	Location	Classification
Historical Tanks	61m N 66m N 92m SW 105m SW 145m N 156m N 170m NW 178m N 182m N 187m NW 187m N 189m N 190m N 194m N 215m N 217m NE 218m N 248m NW	Unspecified

3. Preliminary Qualitative Risk Assessment

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

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

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

In order to complete a conceptual site model and therefore a preliminary risk assessment, an appraisal of the sources of contamination, potential and actual, on and in the area of the site has therefore been completed with reference to this pollution linkage.¹⁶

3.1 Conceptual Ground Model & Preliminary Qualitative Risk Assessment

It is understood that the development proposals currently comprise the construction of two residential properties with car parking and garden areas. In view of the sensitivity of the end users it is considered that the soil screening values (SSVs) for a residential with plant uptake end use should be employed. The preliminary risk assessment has been evaluated with reference to the following ratings and definitions:

N/A -	A source-pathway-receptor linkage is not considered to exist and therefore a risk assessment is not required.
Low -	A pollution linkage is unlikely and/or the likelihood of harm occurring is low and of minor consequence.
Moderate -	The linkage exists but further field or laboratory data is required to confirm that the contaminant has reached the receptor and the levels of contaminant are harmful.
High -	The linkage exists and the available data indicates that significant harm may be caused and remedial action could be necessary.

¹⁶ This assessment has been based on the information as to the proposed development that has been provided by the client. If the plans should change, the assessment should be re-evaluated.

Table 8: Conceptual Site Model and Preliminary Qualitative Risk Assessment

CONCEPTUAL SITE MODEL			PRELIMINARY RISK ASSESSMENT	
Pathways	Receptor	Linkage Present?	Risk Rating	Notes
Direct contact/dermal absorption/soil ingestion	Operative	Yes – operatives are likely to come in contact with the soil.	Moderate	There are potential off-site sources of contamination that may have caused contamination of the site. Further testing required to reach a firm conclusion.
	End User	Yes – end users are likely to come in contact with the soil.	Moderate	
	Neighbours	No – no on-site source of contamination onsite.	N/A	
Inhalation of Dust/Vapours	Operative	Yes – contact with soil likely during works and vapours may accumulate in enclosed spaces.	Moderate	There are off-site sources of contamination that may have caused contamination of the site. Construction activities may create dust on and off site, which, if contaminated, could adversely affect operatives, end users and neighbours. In the event that harmful vapours are present they may accumulate in enclosed spaces, affecting operatives, end users and neighbours. Further testing required to reach a firm conclusion.
	End User	Yes – vapours may accumulate in enclosed spaces.	Moderate	
	Neighbours	Yes – neighbouring properties present and possible inhalation of dust during the works.	Moderate	
Ingestion of fruit/vegetables and/or waters	Operative	No – no edible plants or contained water sources in the area of the proposed new works.	N/A	There are off-site sources of contamination that may have caused contamination of the site. Further testing required to reach a firm conclusion.
	End User	Yes – soft landscaping proposed as part of the new development.	Moderate	
	Neighbours	Yes – residential dwellings present within 250m of the proposed development.	Moderate	



Migration of hazardous gases via permeable strata	Operative	Yes – possible off-site sources	Moderate	Possible source within 250m. A programme of monitoring is recommended but is suggested to be limited to 4 readings over one month in the first instance.
	End User		Moderate	
	Neighbours	Yes - it is unlikely that any source is present onsite. However, historic quarries are present within the local area, thus gas generation may be a local area-wide consideration.	Low	It is unlikely that significant thicknesses of made ground will have been brought on to site. Therefore, a generative source has unlikely been produced on site. This should be re-assessed during any intrusive works should this be proven to the contrary.
Spillage/loss/run off direct to receiving water	Controlled Waters	Yes – site soil may have been contaminated by offsite sources and controlled waters within 250m.	Moderate	There are potential on and off-site sources of contamination that may have caused contamination of the site.
Migration via permeable unsaturated strata	Controlled Waters	Yes – possible offsite sources of contamination and Secondary A aquifer beneath the site.	Moderate	Controlled waters within 250m.
Run off via drainage/sewers etc	Controlled Waters	Yes – possible off-site sources of contamination are present.	Moderate	Secondary A aquifer underlies the site. Permeability of underlying geology should be assessed. Further testing required to reach a firm conclusion.
Direct contact with contaminated soils	Plants	Yes – soft landscaping areas will be present as part of the proposed development.	Moderate	There are potential off-site sources of contamination that may have caused contamination of the site.
Uptake via root system			Moderate	Further testing required to reach a firm conclusion.
Direct contact with contaminated soils/ Direct contact with contaminated groundwater	Building Materials	Yes – possible off site and foundation and service installation materials may be affected by the site soil.	Moderate	There are potential off-site sources of contamination that may have caused contamination of the site. Further testing required to reach a firm conclusion.
Migration of mine gas via permeable strata	Operative	No – not in an area affected by coal mining activity and where shallow worked seams may be present.	N/A	-
	End User			
Exposure to Radon	Operative	Yes – site currently indicated to be present in a radon affected area ¹⁷ .	Moderate	Between 3% and 5% of properties are affected. The publication BR211 states that basic protection measures are necessary.
	End User			

¹⁷ Radon interactive map [online resource <https://www.ukradon.org/radonmaps/>] It should be appreciated that radon maps are subject to change and are updated regularly.

Mining Instability	End User	No – not in an area affected by coal mining activity.	N/A	No further action required.
Unexploded Ordnance (UXO) Risk	Operative	Yes – the Zetica ¹⁸ online maps indicate that the site is at low risk from UXO.	Low	Unlikely to be affected by UXO.

Notes:

1. The above data and table is a qualitative assessment of the probable risks identified at this site, based on the information made available to us from the client, third party professional data and walkover survey.
2. Should any additional or new data come to light, the risk assessment should be revisited and any necessary changes made to any recommendations resulting from this study.
3. Where further testing is recommended as part of the risk assessment, this is in order to provide a quantitative assessment of any contamination issues. It should at all times be considered that uncertainties may remain, and therefore any testing regime and ground investigation philosophy should be ready to accommodate any necessary alterations should any data come to light or it become evident that it has not been previously considered.

¹⁸ Pre-desk study assessment [online resource from www.zeticauxo.com].

4. Intrusive Investigation

4.1 Site Investigation Philosophy

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

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

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

Non-Targeted Sampling

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

Targeted Sampling

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

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

4.2 Site Specific Investigation

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

4.2.1 Contamination Assessment

It may be appreciated that BS 10175 clause 7.7.2.2.3 suggests that the number of sampling points at the site should be based on a minimum of three testing locations or the size of the site with respect to the appropriate grid spacing, whichever the greater. On the basis of the site area being 0.05ha, the number of sampling points at the site should be considered with respect to the table below.

Table 9: Summary of Sampling Strategy					
NUMBER OF SAMPLING POINTS					
	Soil	Water	Asbestos	Standpipes	Standpipe Readings
Exploratory Investigation 50m x 50m grid	3	-	3	3	A minimum of 4 readings over 1 month would be required as per risk assessment, however any regime must take into account the guidance detailed below.
Target Areas	Should be assessed during any investigation.				

Chemical testing should be undertaken on the above grid spacing and the following standard testing regime should be undertaken:

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

Sampling Method

Investigation should include the installation of three gas monitoring standpipes for subsequent monitoring. Furthermore, soils should be obtained for chemical sampling. The sampling strategy should employ the non-targeted strategy given above in the first instance, i.e. at least three sampling points, if it is anticipated that made ground is significant across the site. However, if the made ground at the site is thought to be localised to specific areas, then the targeted strategy should be used.

It should be possible to carry out the above work with a windowless sampling drilling rig, however, it may be more pragmatic to employ hand-held digging tools for a targeted strategy.

Gas Monitoring

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

Table 10: Typical/idealised Frequency and Period of Monitoring.

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

Notes:

- a) The first number is the minimum number of readings and the second number is the minimum period in months, for example 4/1 – four sets of readings over 1 month.
- b) At least two sets of readings must be at low and falling atmospheric pressure (but not restricted to periods below 1000mb) known as worst case conditions.
- c) The frequency and period stated are considered to represent typical minimum requirements. Depending on specific circumstances fewer or additional readings may be required (e.g. any such variation subject to site specific justification). The NHBC guidance is also recommending these periods/frequencies of monitoring.
- d) Historical data can be used as part of the data set.
- e) Not all sites will require gas monitoring. However, this would need to be confirmed with demonstrable evidence.
- f) Placing high sensitivity end use on a high hazard site is not normally acceptable unless the source is removed or treated to reduce its gassing potential. Under such circumstances long-term monitoring may not be appropriate or required.
- g) This guidance should be read in conjunction with BS 8576:2013 figure 6 which may justify fewer readings in the first instance, where the generation potential is considered to be very low to low. However, this should be undertaken pragmatically, and further readings obtained according to the above table, where a potentially significant source is identified and initial readings suggest that remedial measures are not necessary.

4.2.2 Geotechnical Assessment

In addition to the above contamination assessment which is likely to be required by planning authorities and insurance providers, the following investigation strategy could be considered:

Sampling Method

It is anticipated that a combined windowless sampling and rotary drilling rig will be able to gain sufficient data in regard to the near surface soils. Moreover, such equipment should be able to undertake Standard Penetration Testing (SPT) through the overburden and then undertake coring of the rock in order to assess the engineering parameters of the rock and the stability of the wall.

Soakaway Design

Should soakaway data be required for drainage design, trial pits could be excavated and infiltration tests conducted. Alternatively, these tests could be undertaken within boreholes.

Geotechnical Testing

An allowance for geotechnical testing of the soils should be included in any ground investigation.

4.2.3 Reporting

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

- Geotechnical recommendations.
- Contamination assessment.
- Contamination remediation strategy.
- Any recommendations for further work, if required and including validation reports where site remediation is necessary.

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

5. References

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

Appendix 1

Site Plans

Manchest

Trade Supplies HX
Kitchen Furniture Shop

en Pointe
aker



Cowlersley Ln

Cowlersley Ln

Cowlersley Ln

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959 957
925

71 18A 16A 74

32 30 34

Cowlersley Ln

39 37 35

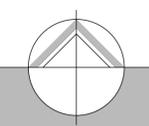
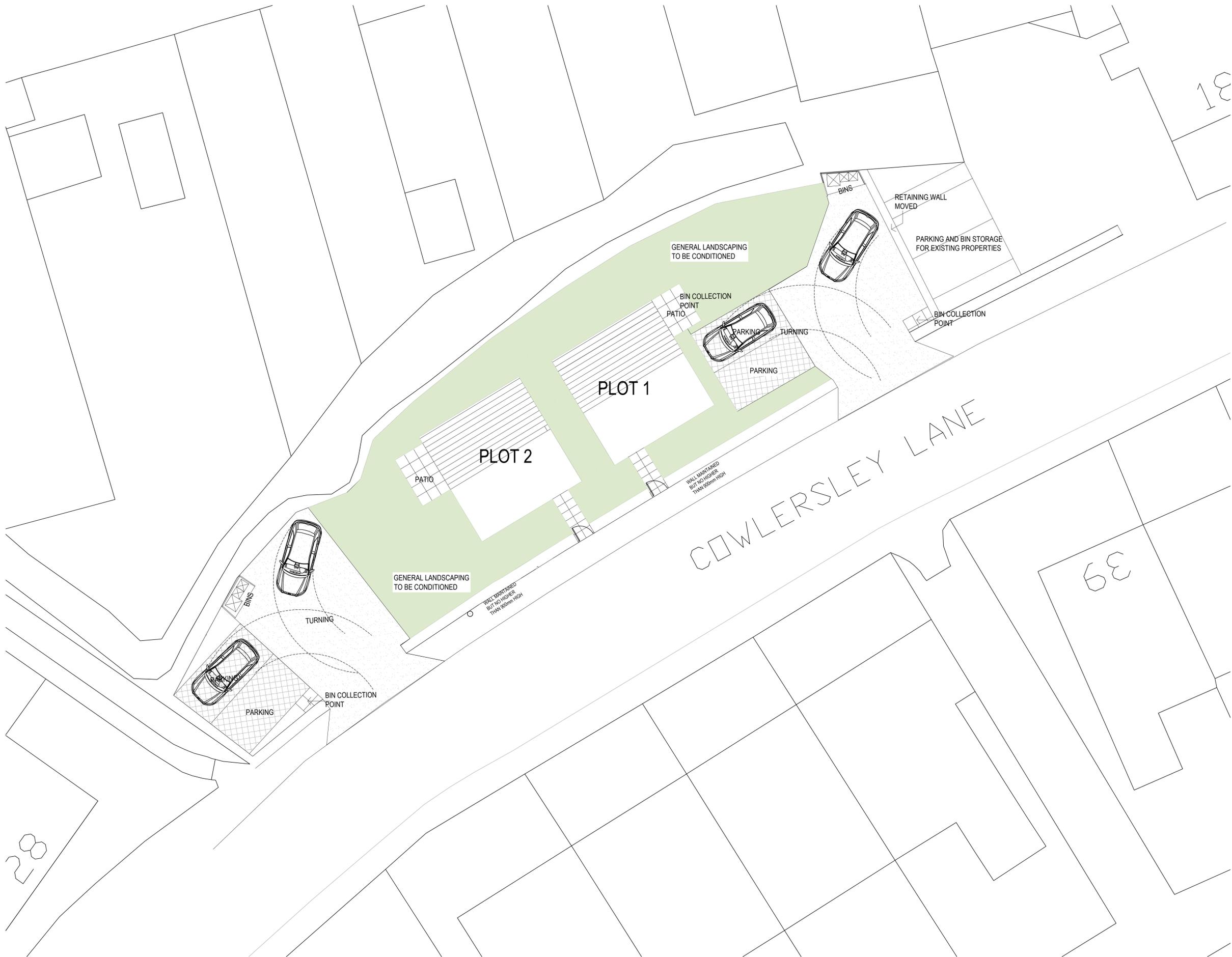
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 Telephone: (01484) 854848

client: MR AND MRS GARSIDE

project: PROPOSED SITE
ADJACENT TO
18b COWLERSLEY LANE
HUDDERSFIELD, HD4 5TY

drawing: PROPOSED SITE PLAN

revision	notes	date	drawn
A	SITE REDUCED TO 2 DWELLINGS	09.22	PB
B	DRIVES / PARKING / TURNING REVISED	12.22	PB
C	PLOTS MOVED TO CREATE MORE GARDEN TO PLOT 2	02.23	PB
D	BIN COLLECTION POINTS ADDED	05.23	PB

scale: 1:100 AT A1 07.22 PB

project no.	drawing no.	revision
2169	02	D

Appendix 2

Historical Maps

Site Details:

18B, COWLERSLEY LANE,
COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: County Series Town Plan

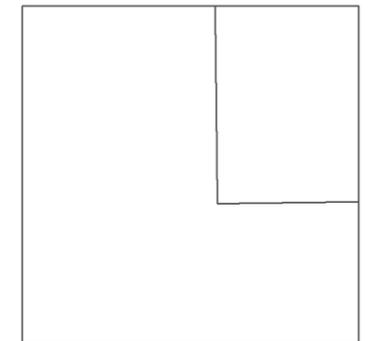
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Printed at: 1:1,000



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Edition N/A
Copyright N/A
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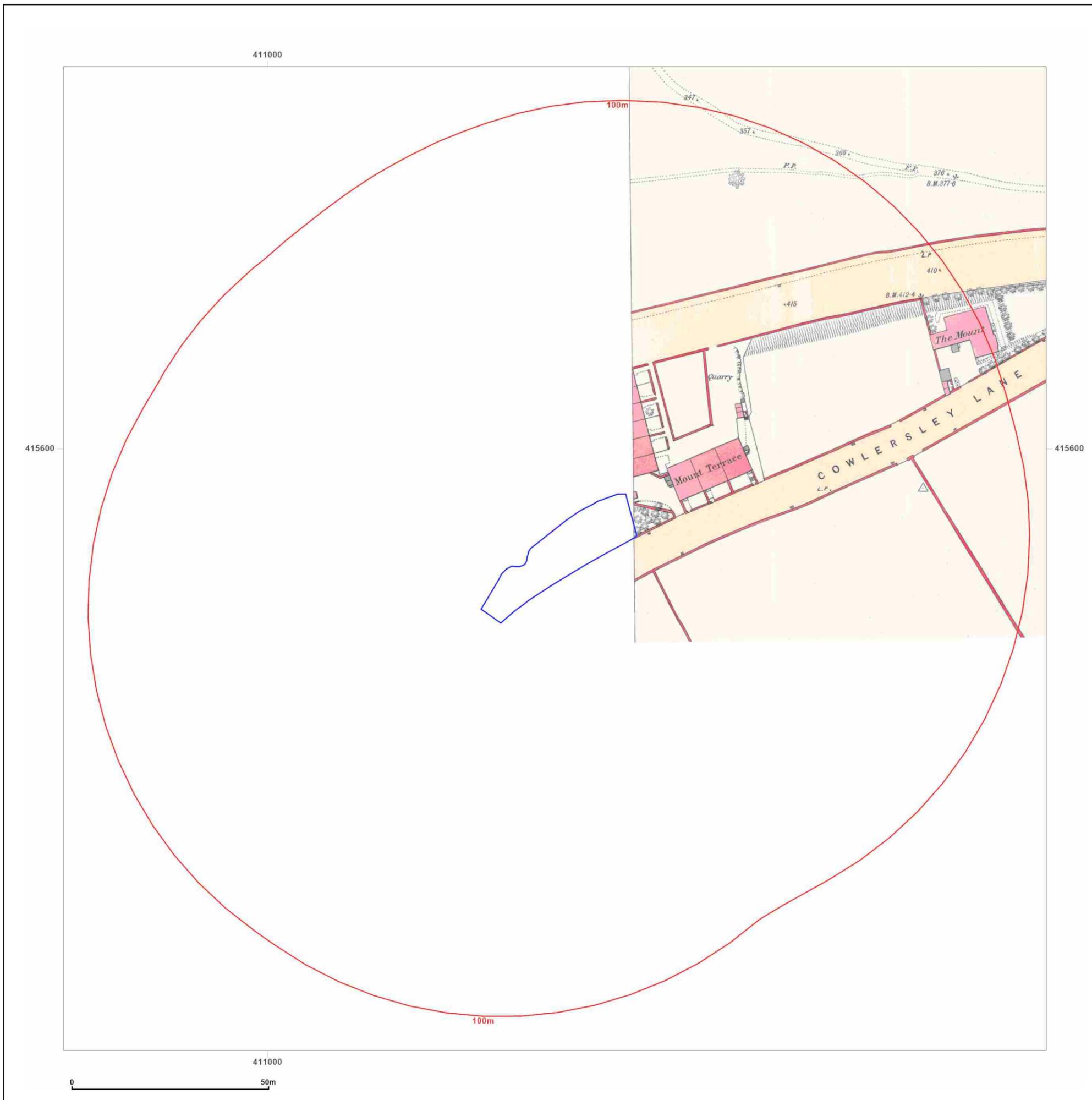


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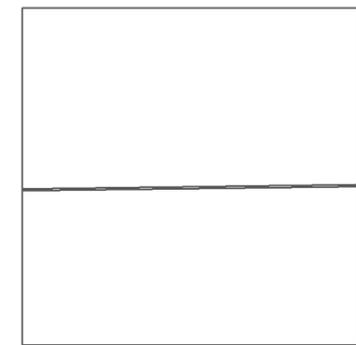
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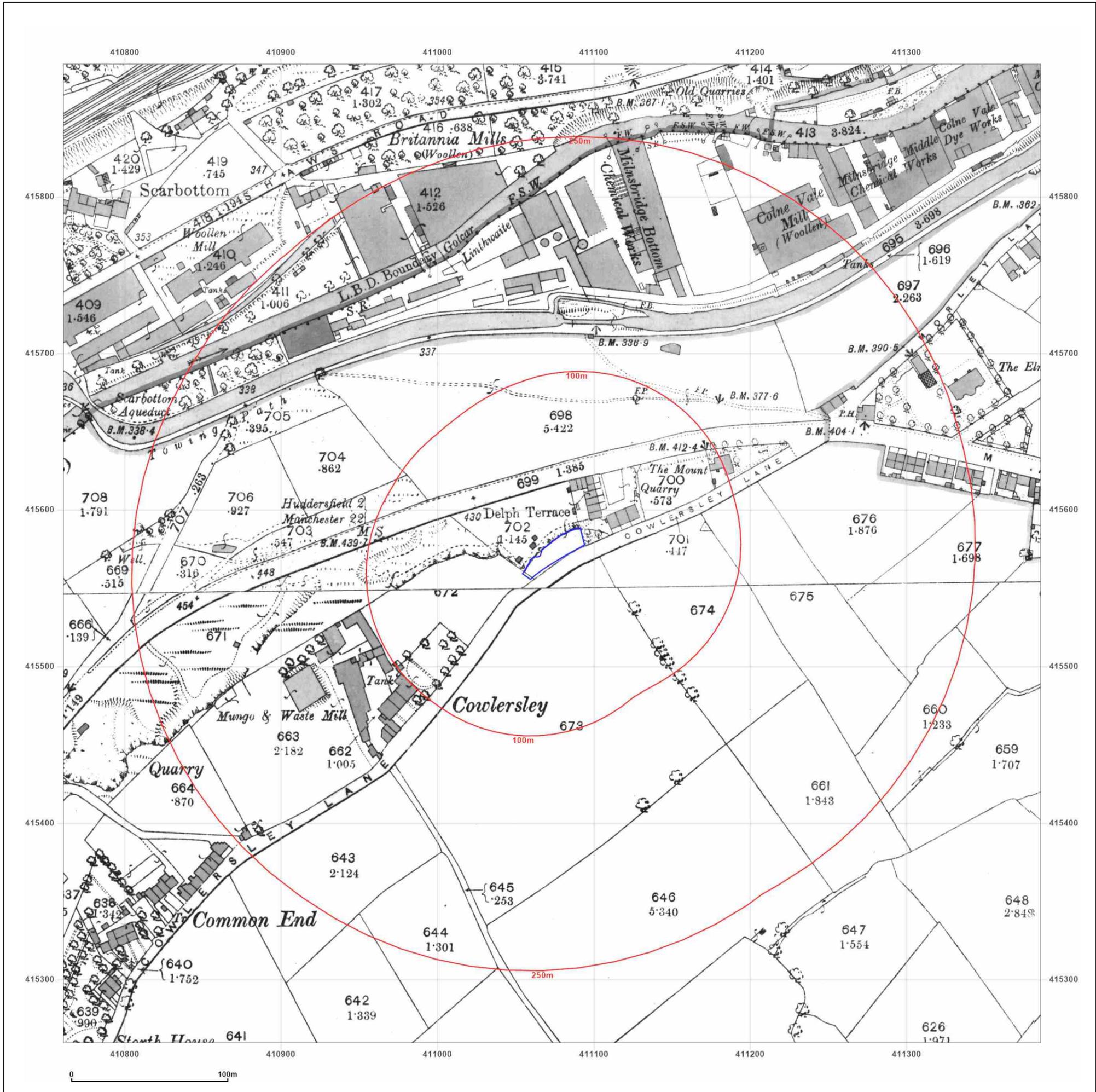


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Map Name: County Series

Map date: 1906-1907

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

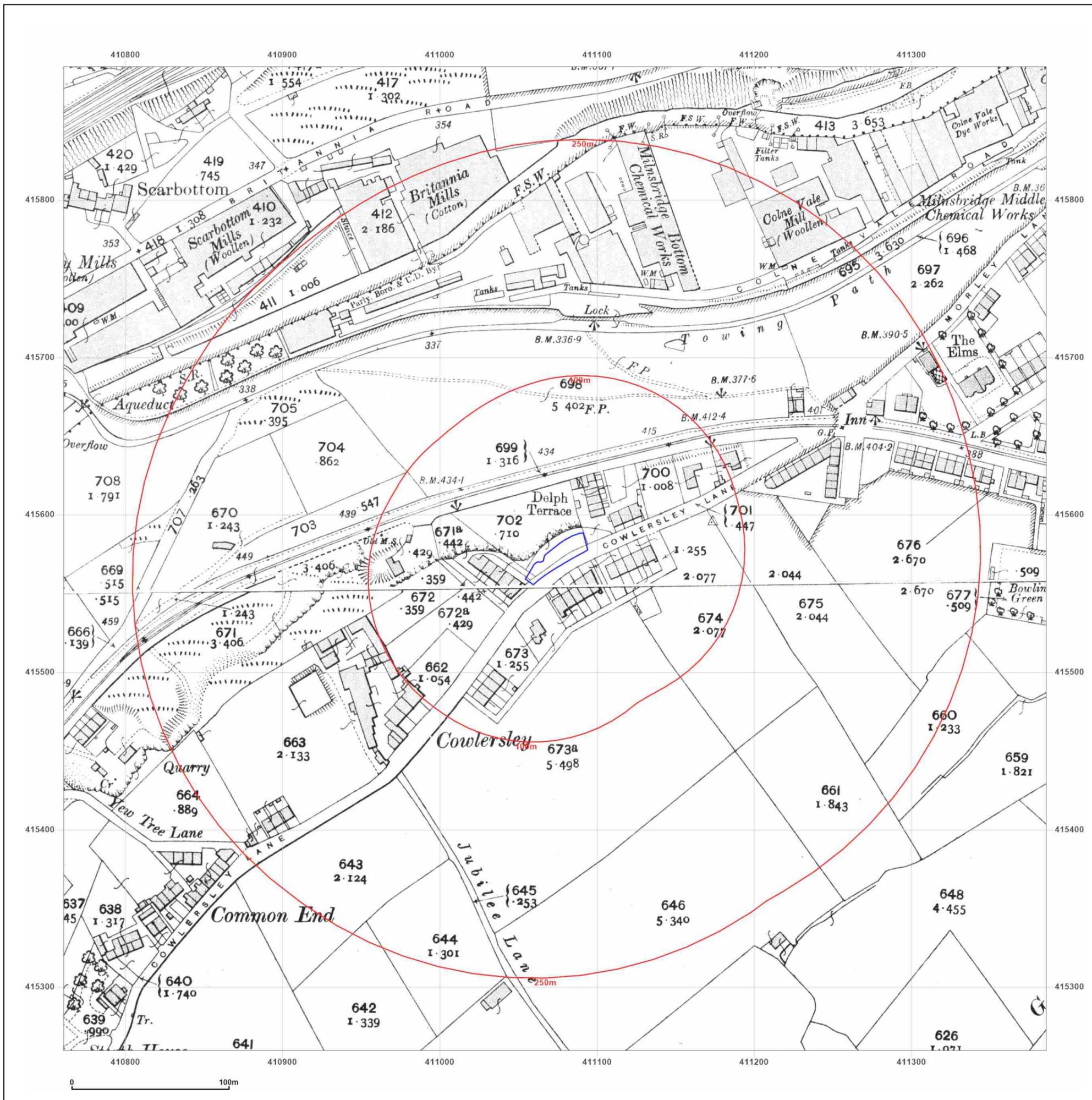


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Map Name: County Series

Map date: 1913-1918

Scale: 1:2,500

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Revised 1913
Edition N/A
Copyright N/A
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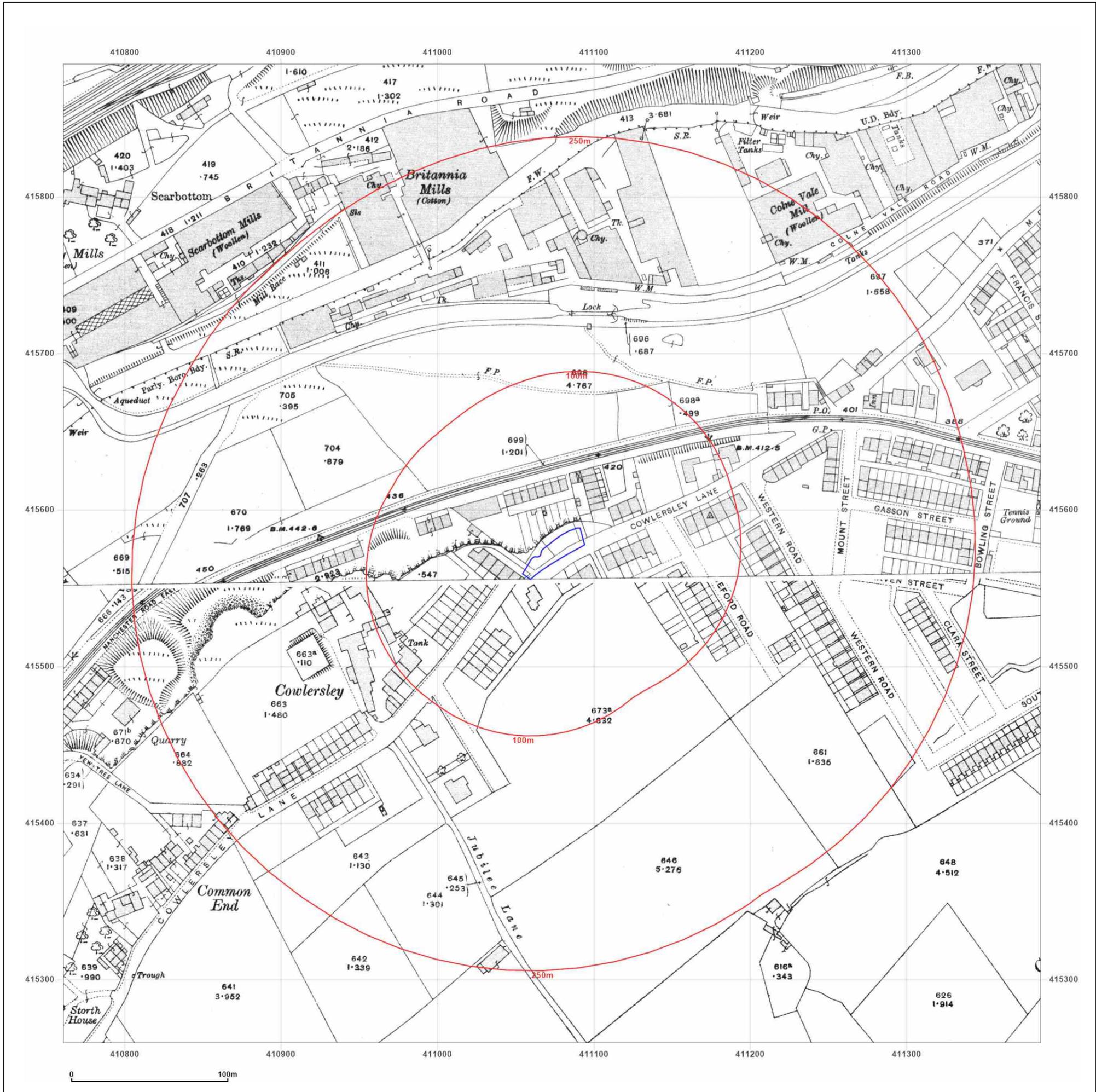


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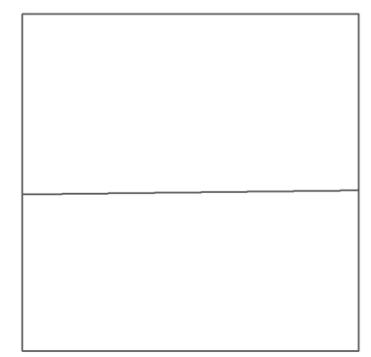
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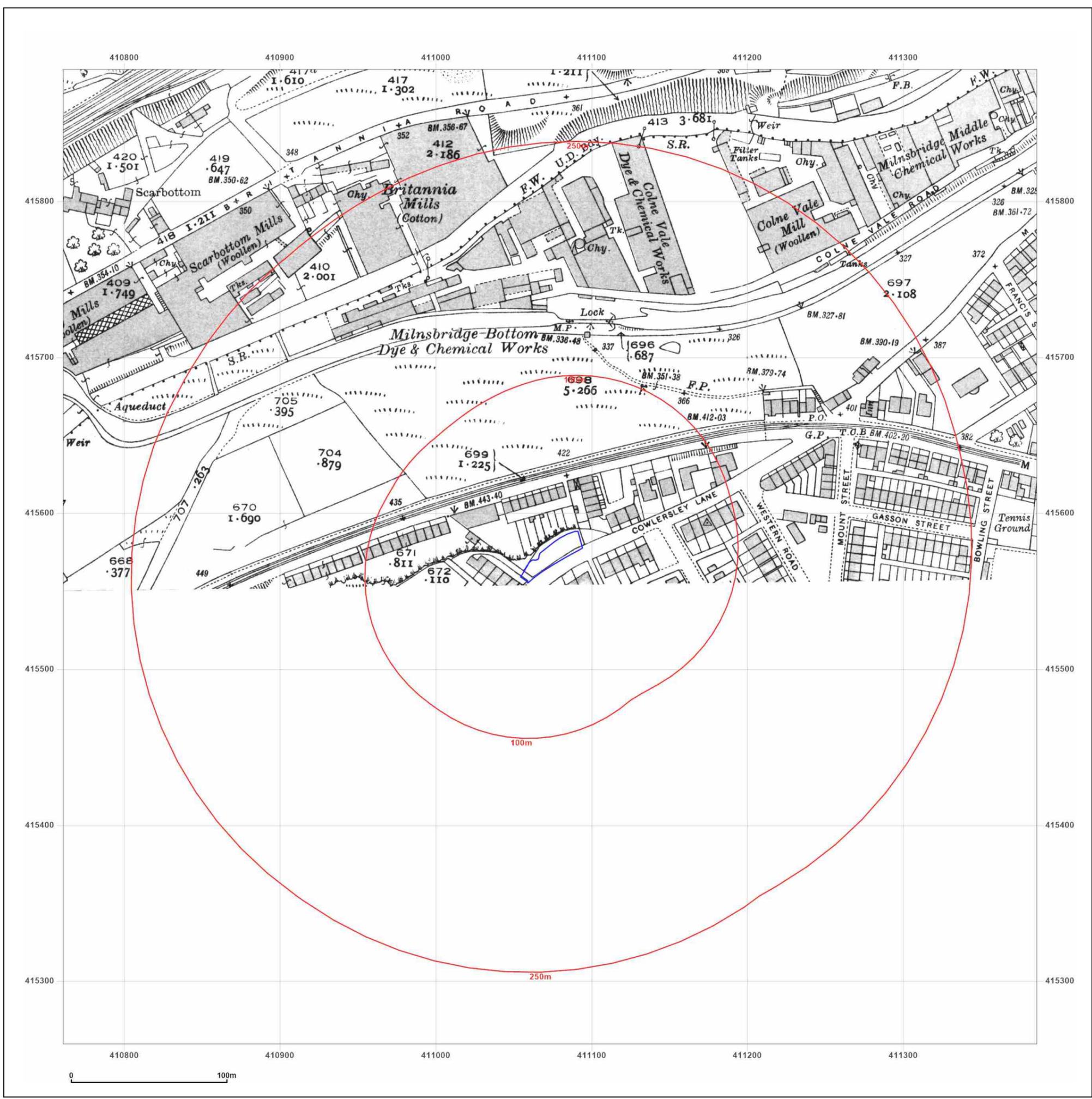


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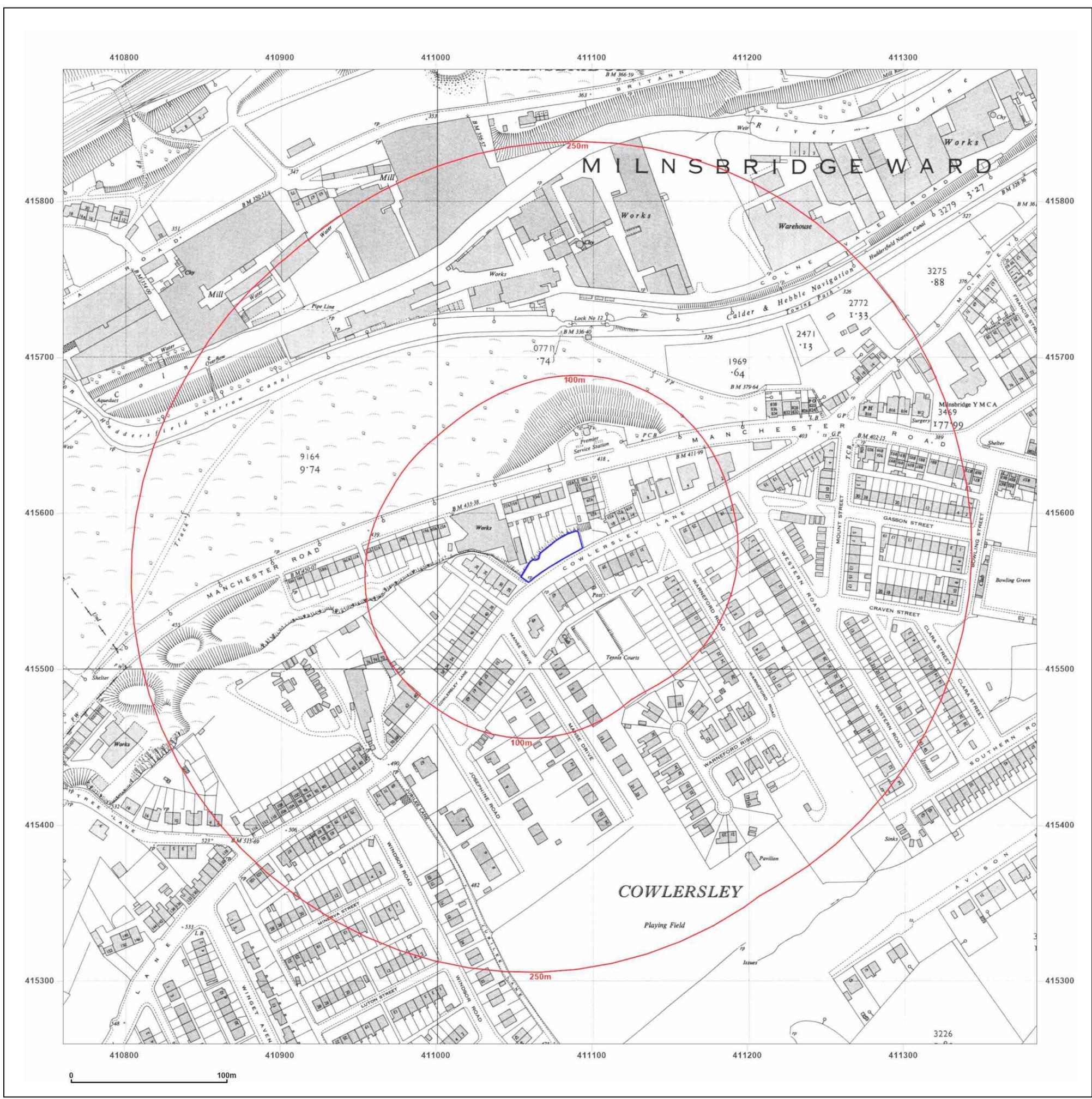


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Grid Ref: 411073, 415572

Map Name: National Grid

Map date: 1961

Scale: 1:1,250

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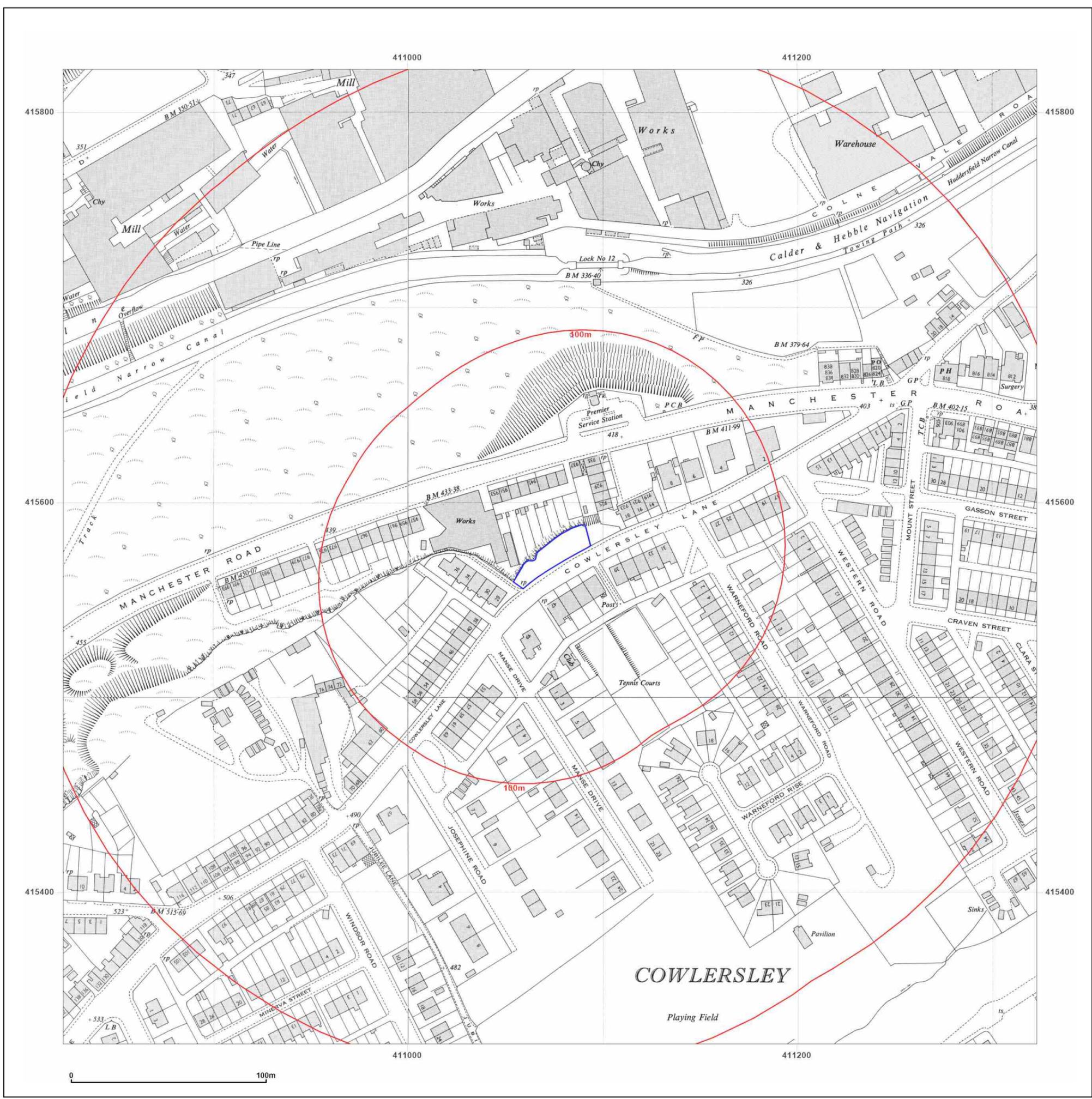


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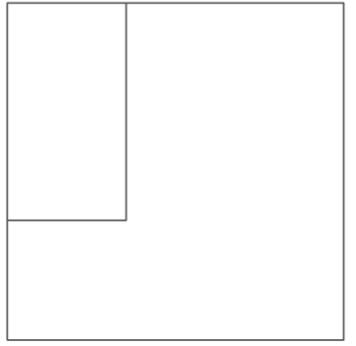
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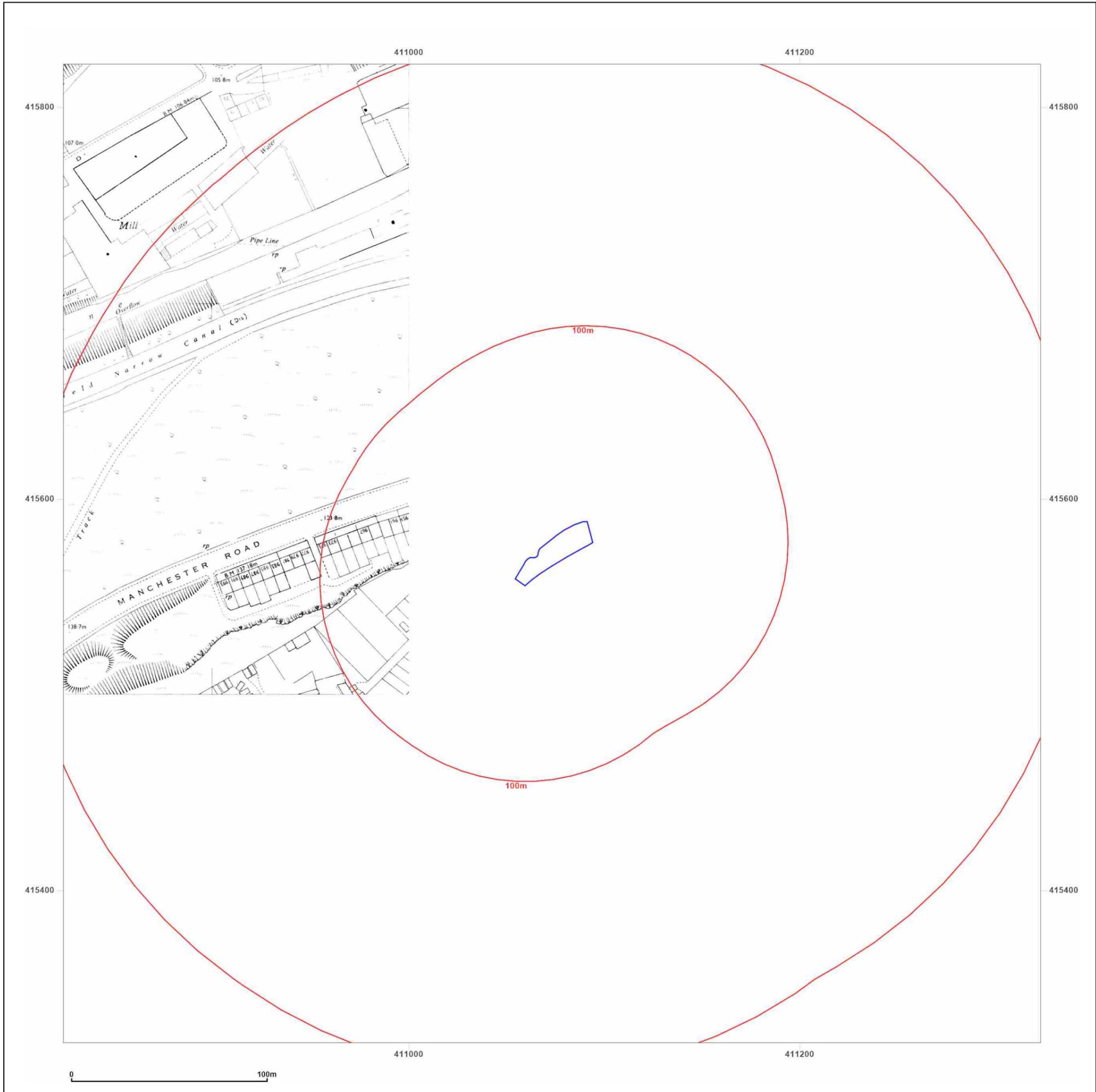
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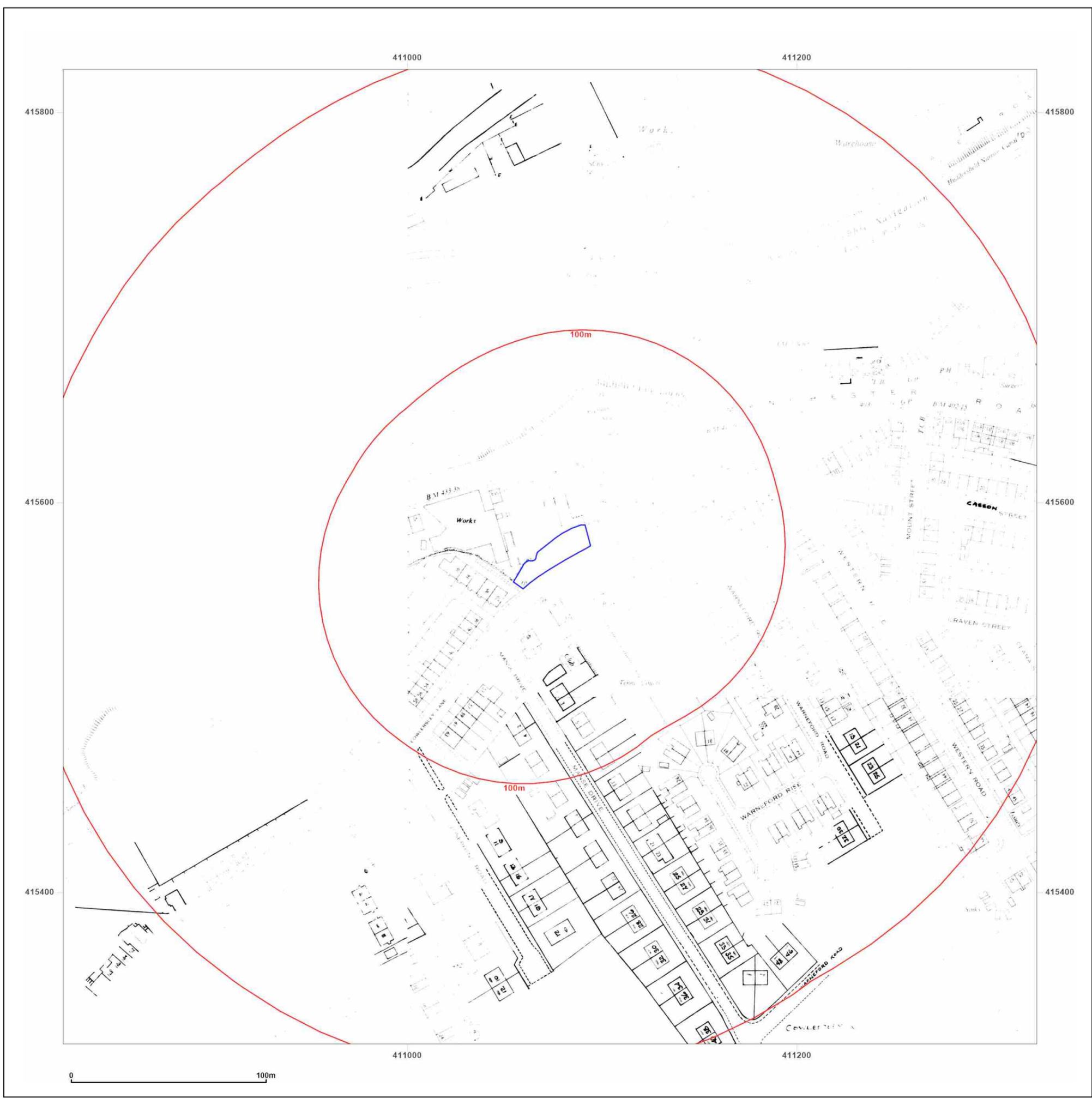


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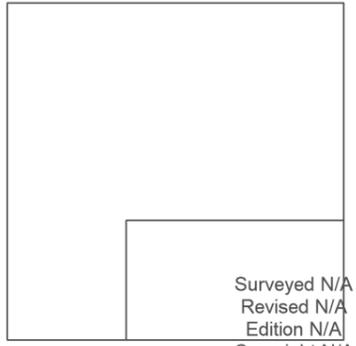
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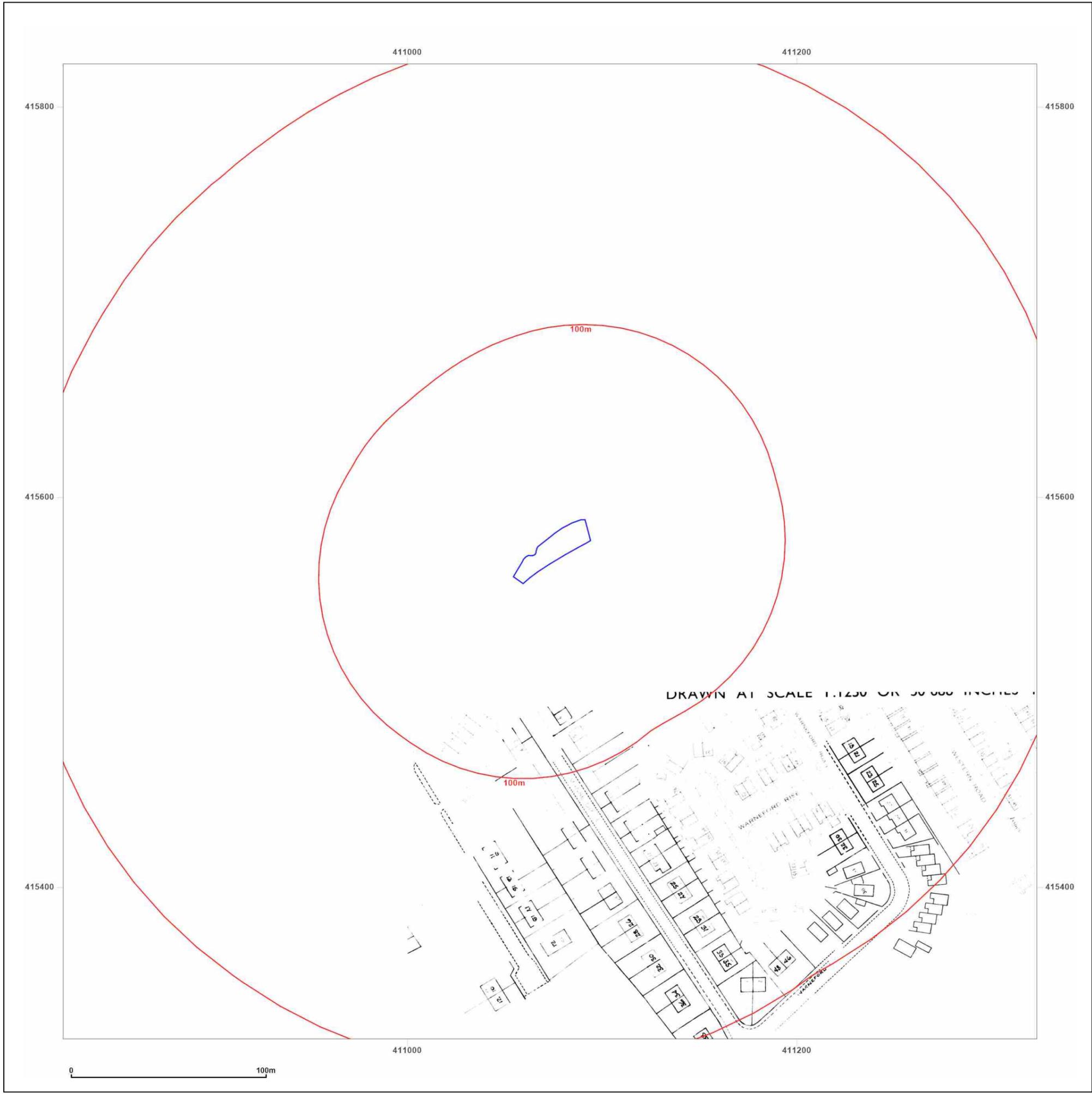
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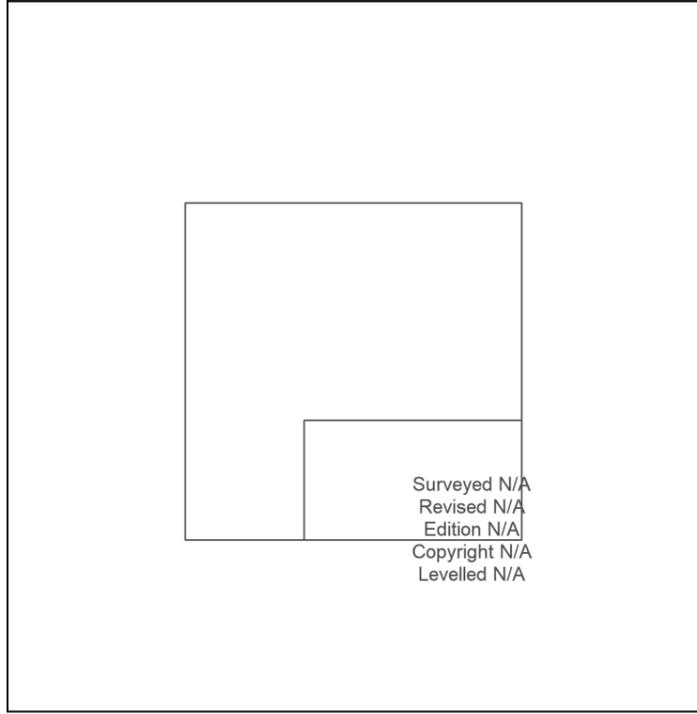
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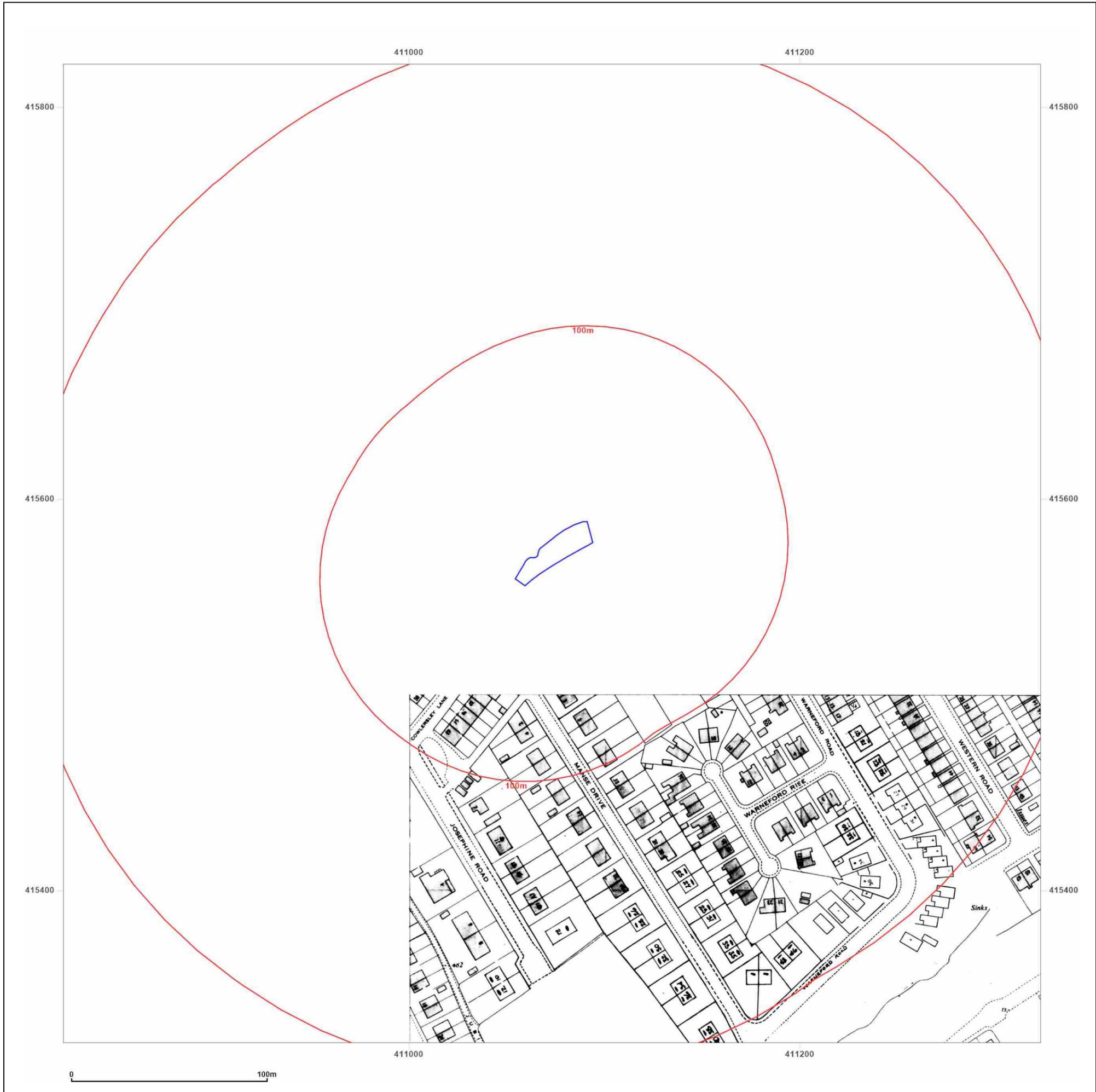


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HD4 5TY

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Grid Ref: 411073, 415572

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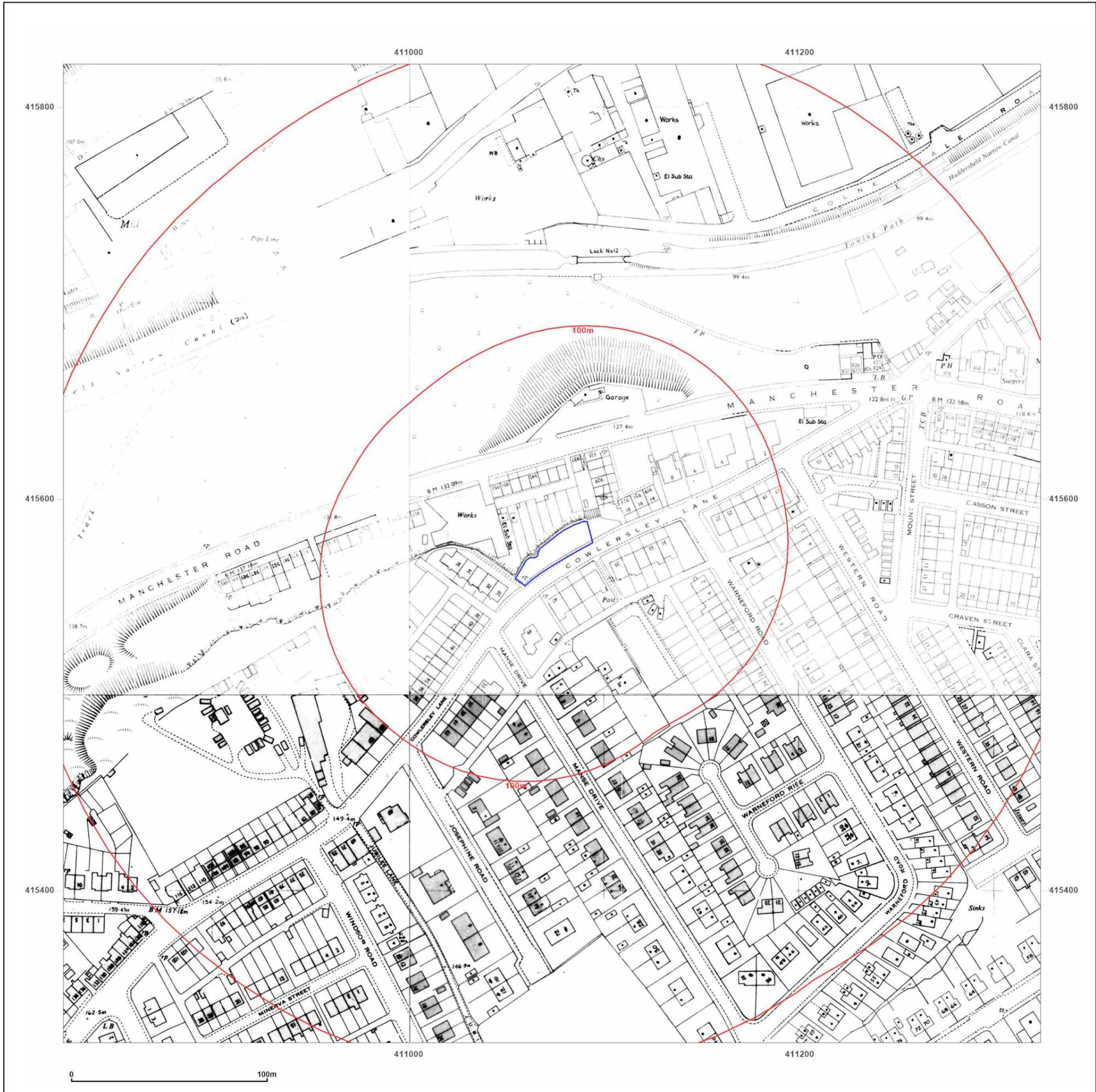


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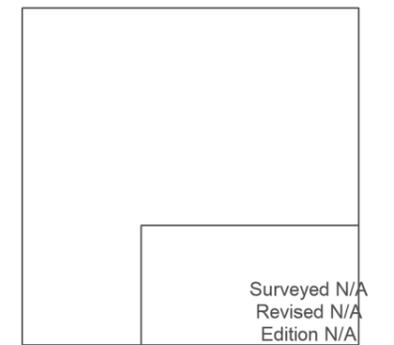
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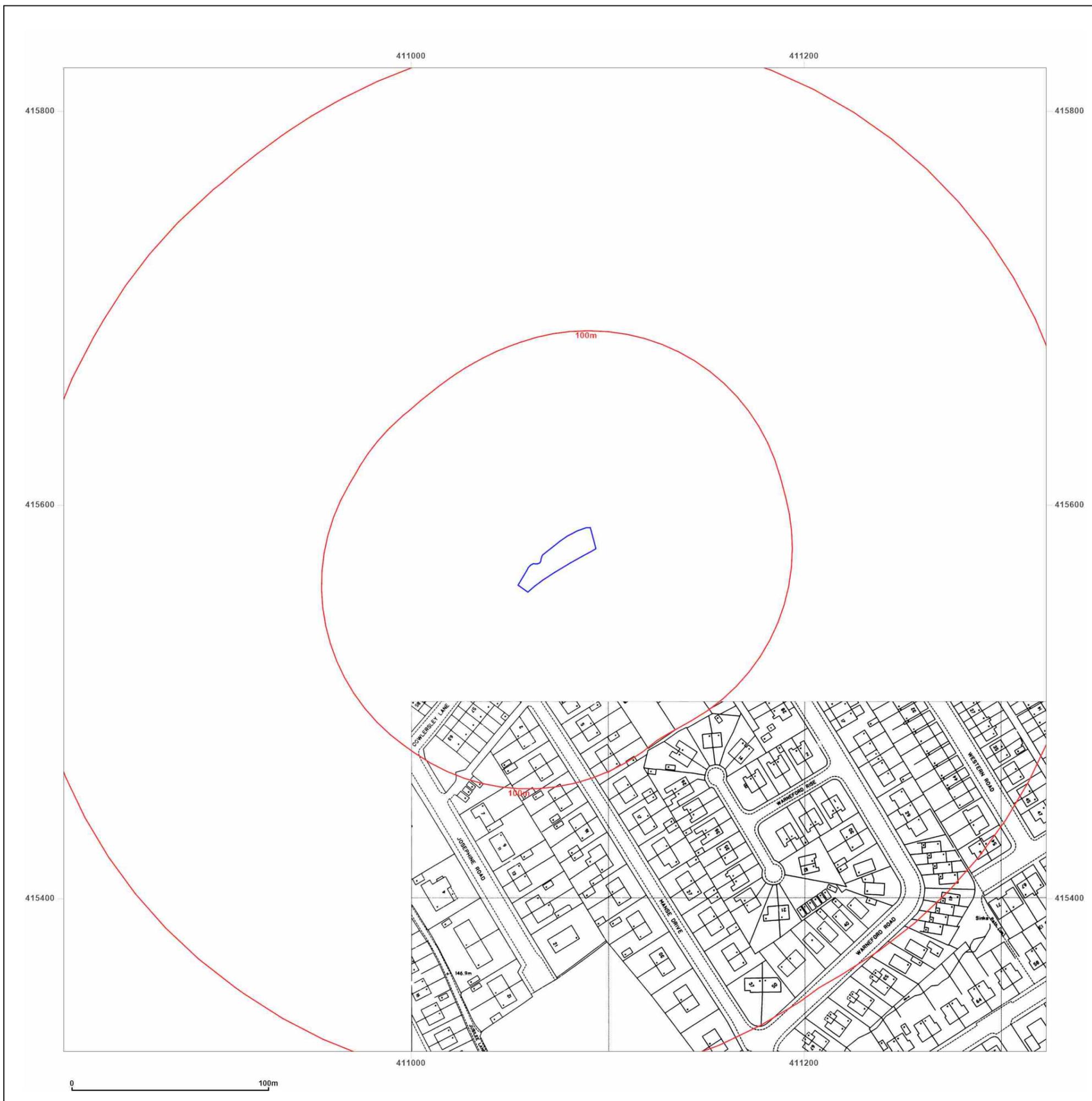


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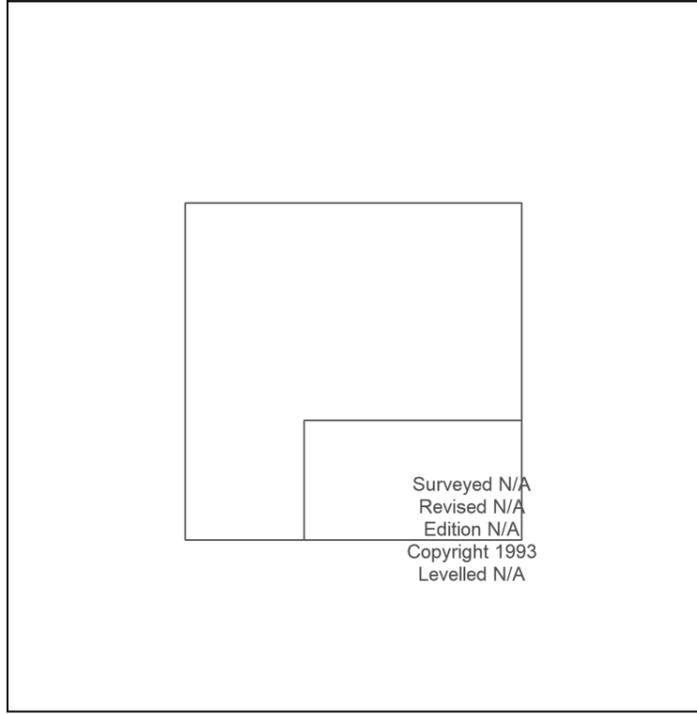


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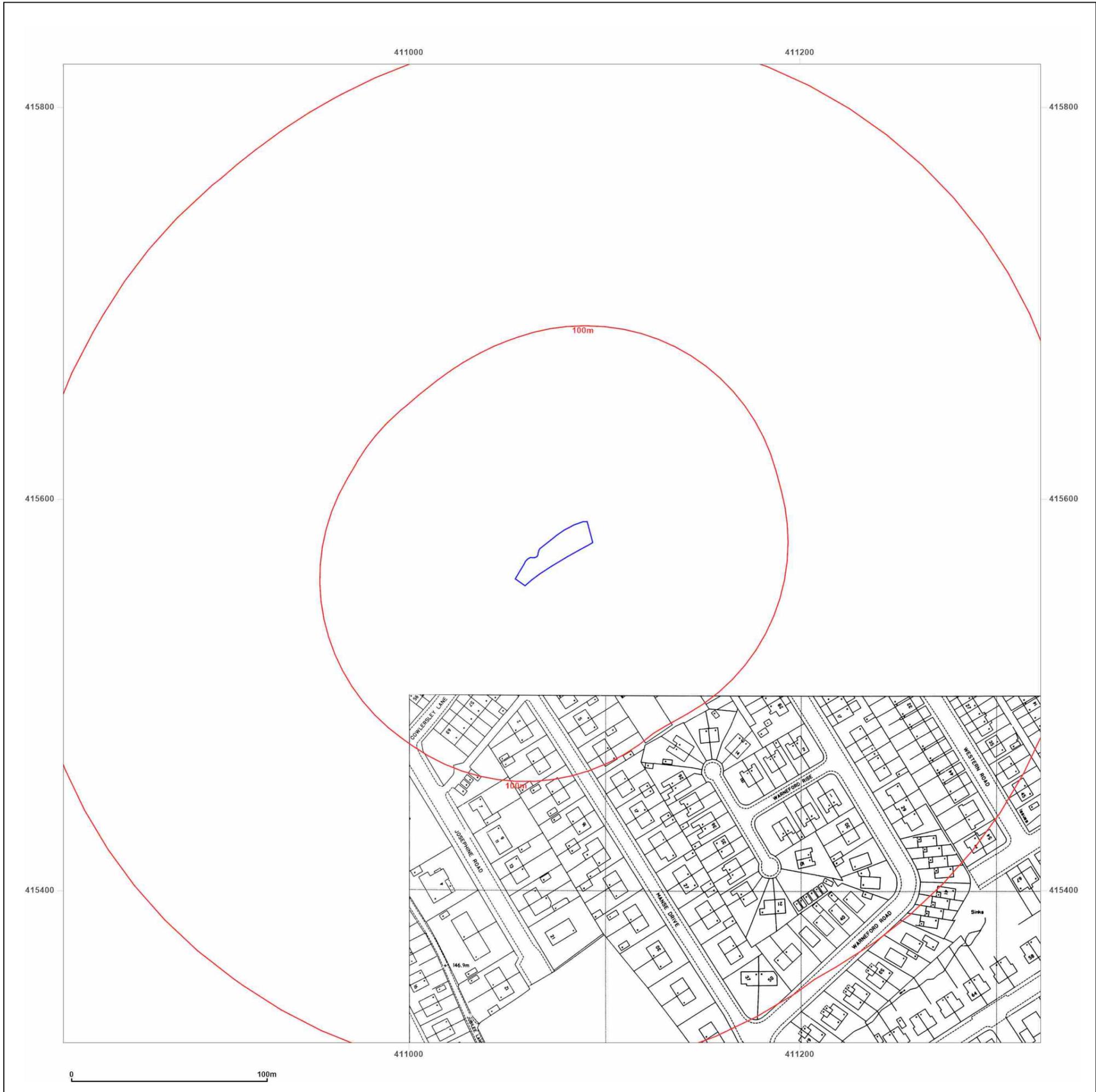


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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: National Grid

Map date: 1993

Scale: 1:1,250

Printed at: 1:2,000



Surveyed 1993 Revised 1993 Edition N/A Copyright N/A Levelled N/A	Surveyed N/A Revised N/A Edition N/A Copyright 1993 Levelled N/A
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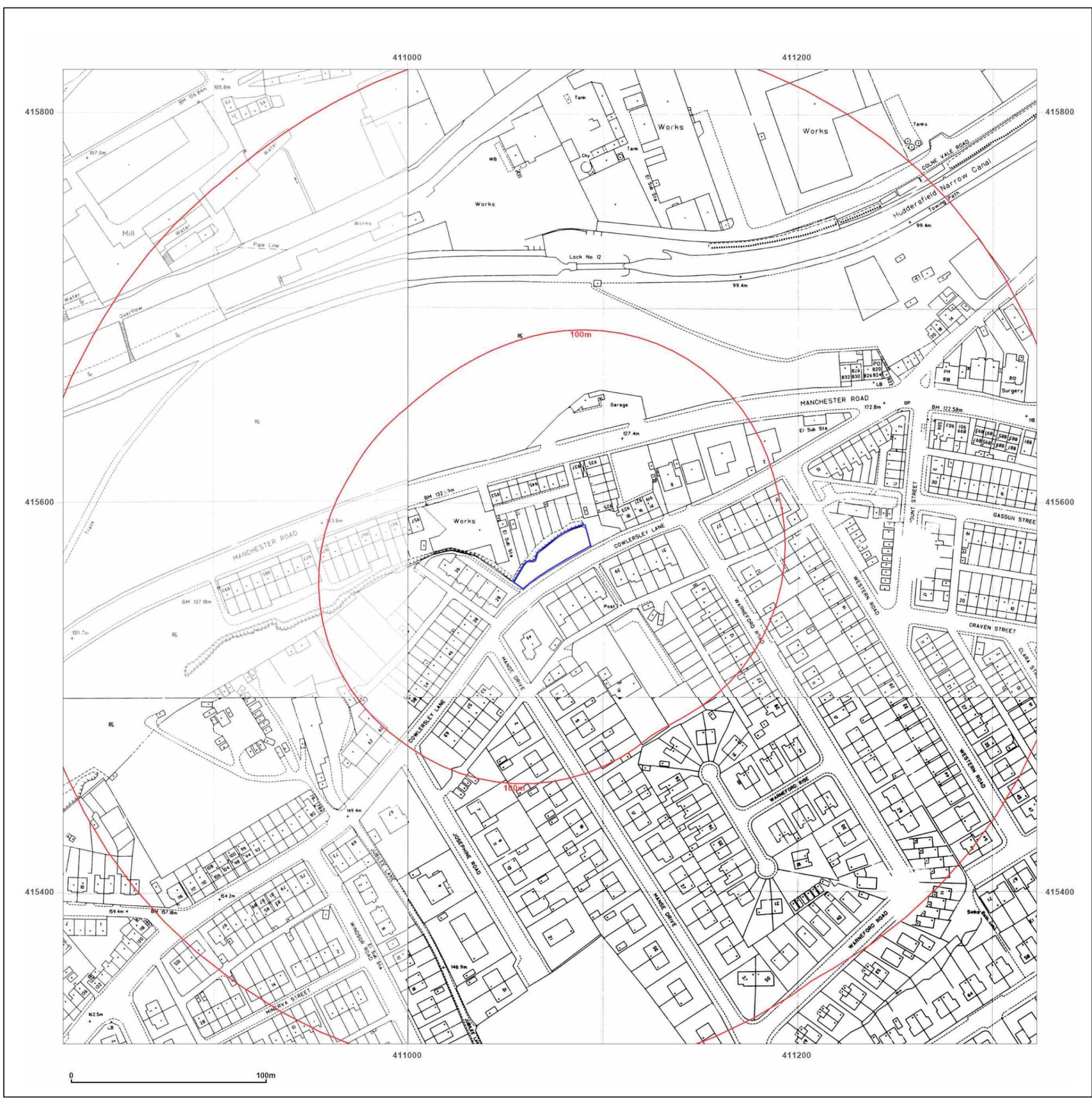


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Production date: 18 June 2024

Map legend available at:
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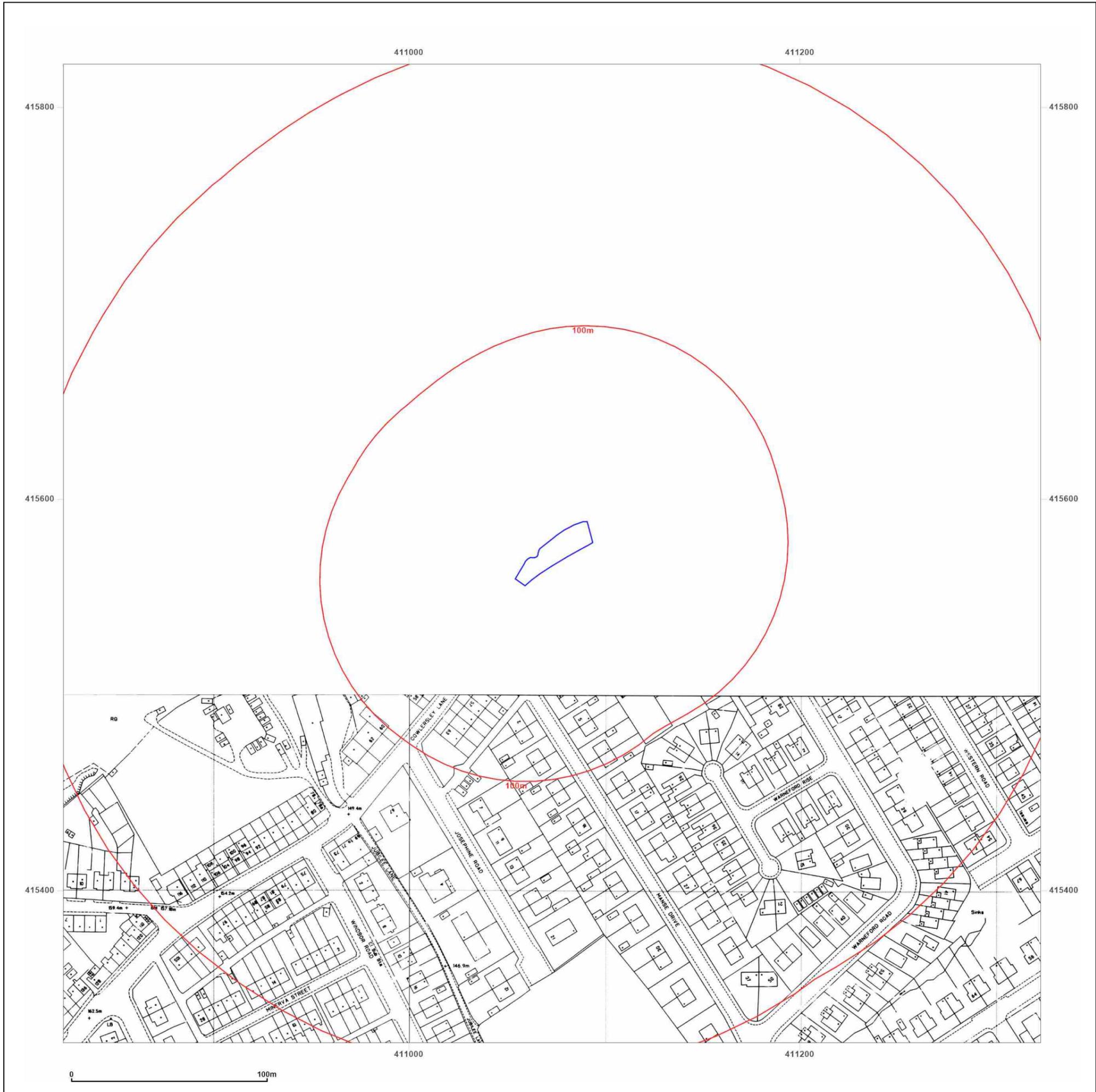
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 COWLERSLEY, HUDDERSFIELD,
 HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: National Grid
Map date: 1993-1995
Scale: 1:1,250
Printed at: 1:2,000



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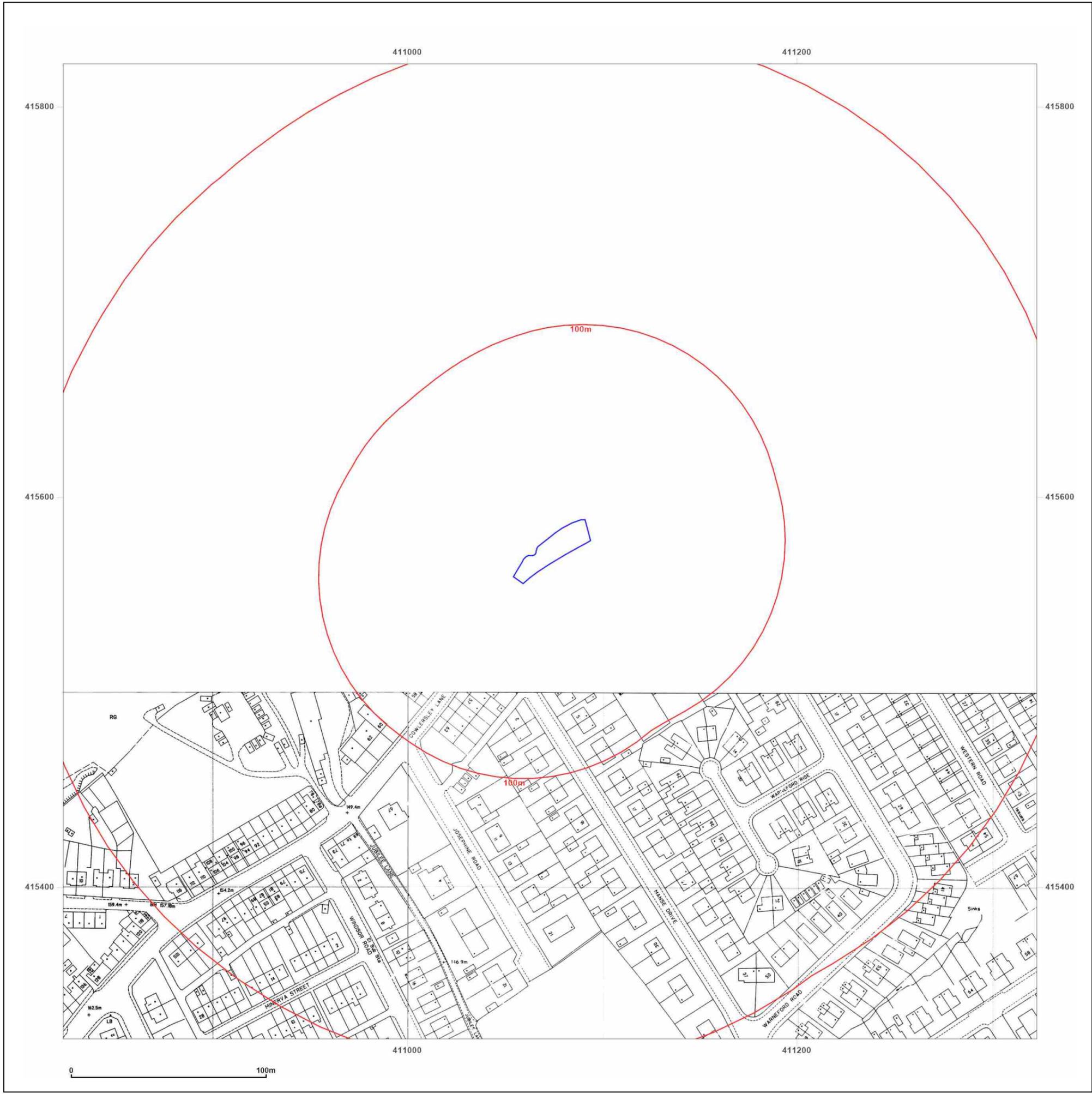
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 COWLERSLEY, HUDDERSFIELD,
 HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: National Grid
Map date: 1993-1995
Scale: 1:1,250
Printed at: 1:2,000



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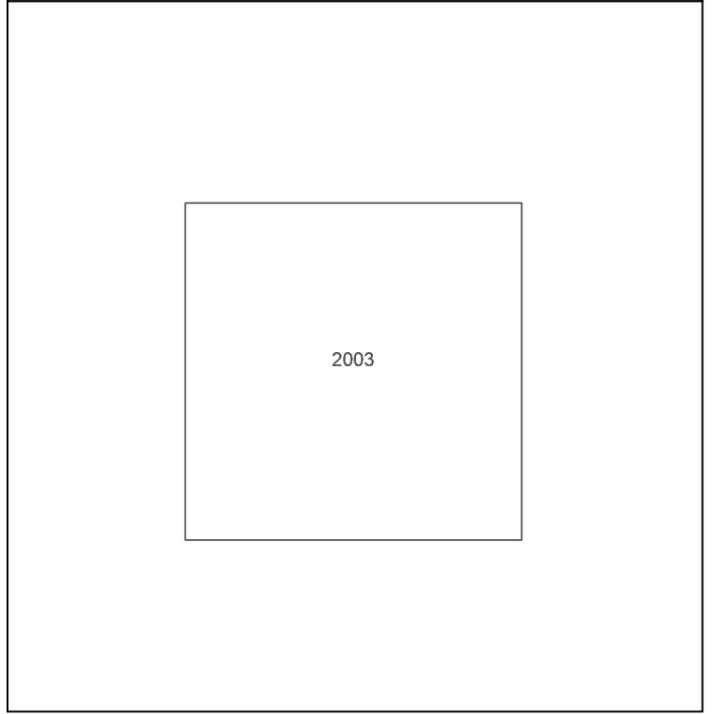
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Site Details:
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 COWLERSLEY, HUDDERSFIELD,
 HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: LandLine
Map date: 2003
Scale: 1:1,250
Printed at: 1:1,250



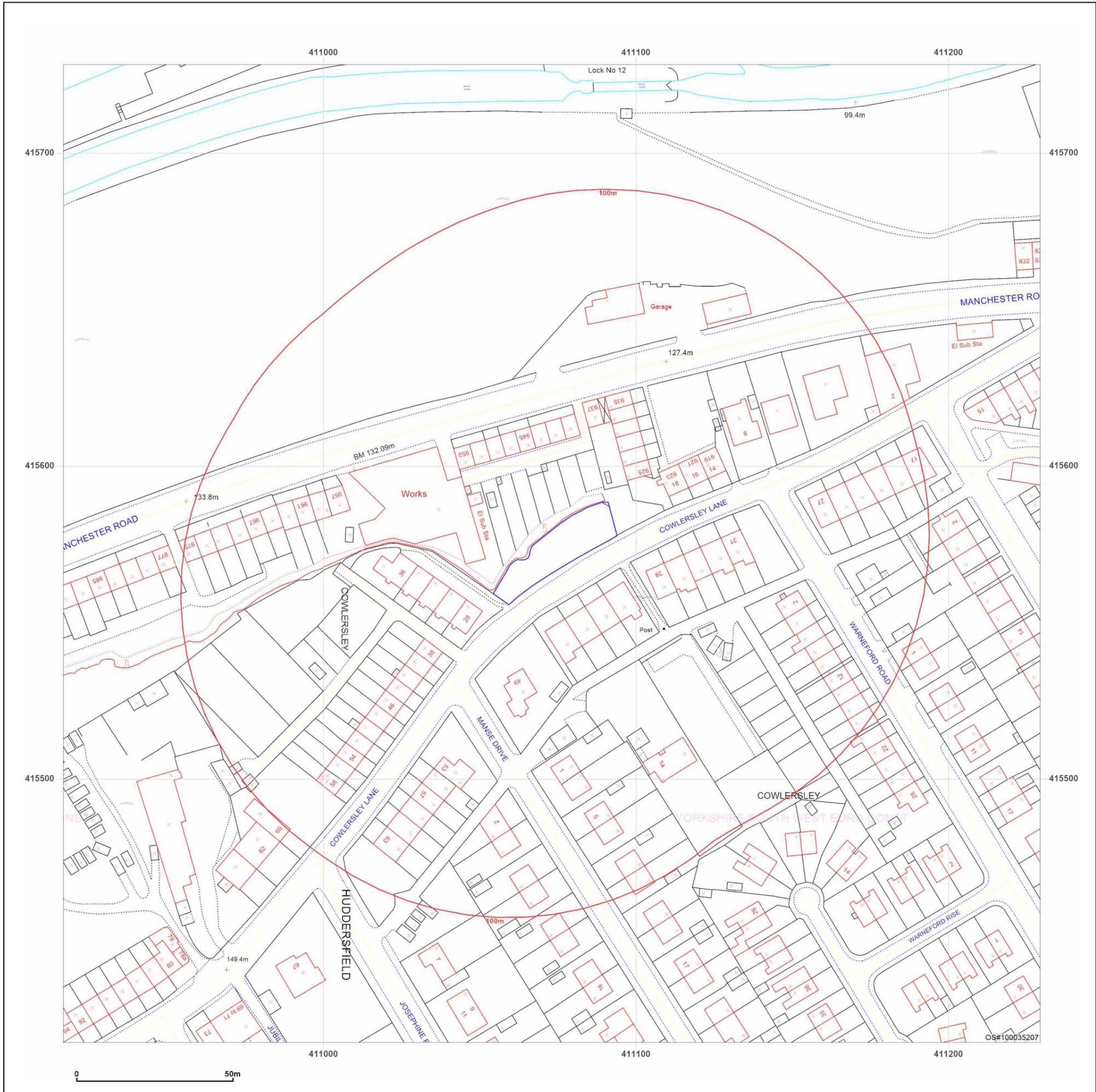
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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: County Series

Map date: 1854

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1850
Revised N/A
Edition 1854
Copyright N/A
Levelled 1853



Surveyed 1851
Revised N/A
Edition 1854
Copyright N/A
Levelled N/A

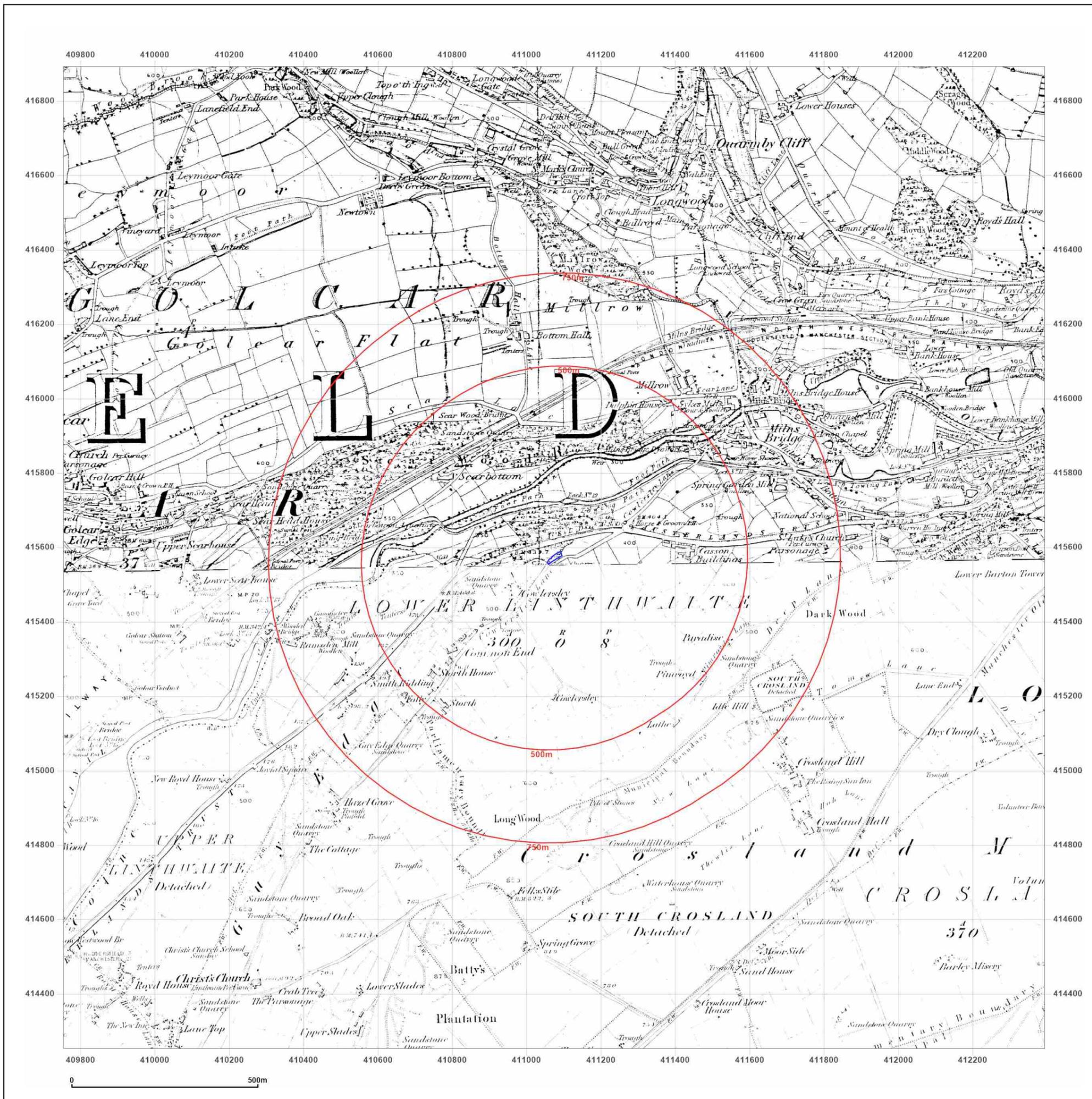


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: County Series

Map date: 1890-1891

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1890
Revised 1890
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1891
Edition N/A
Copyright N/A
Levelled N/A

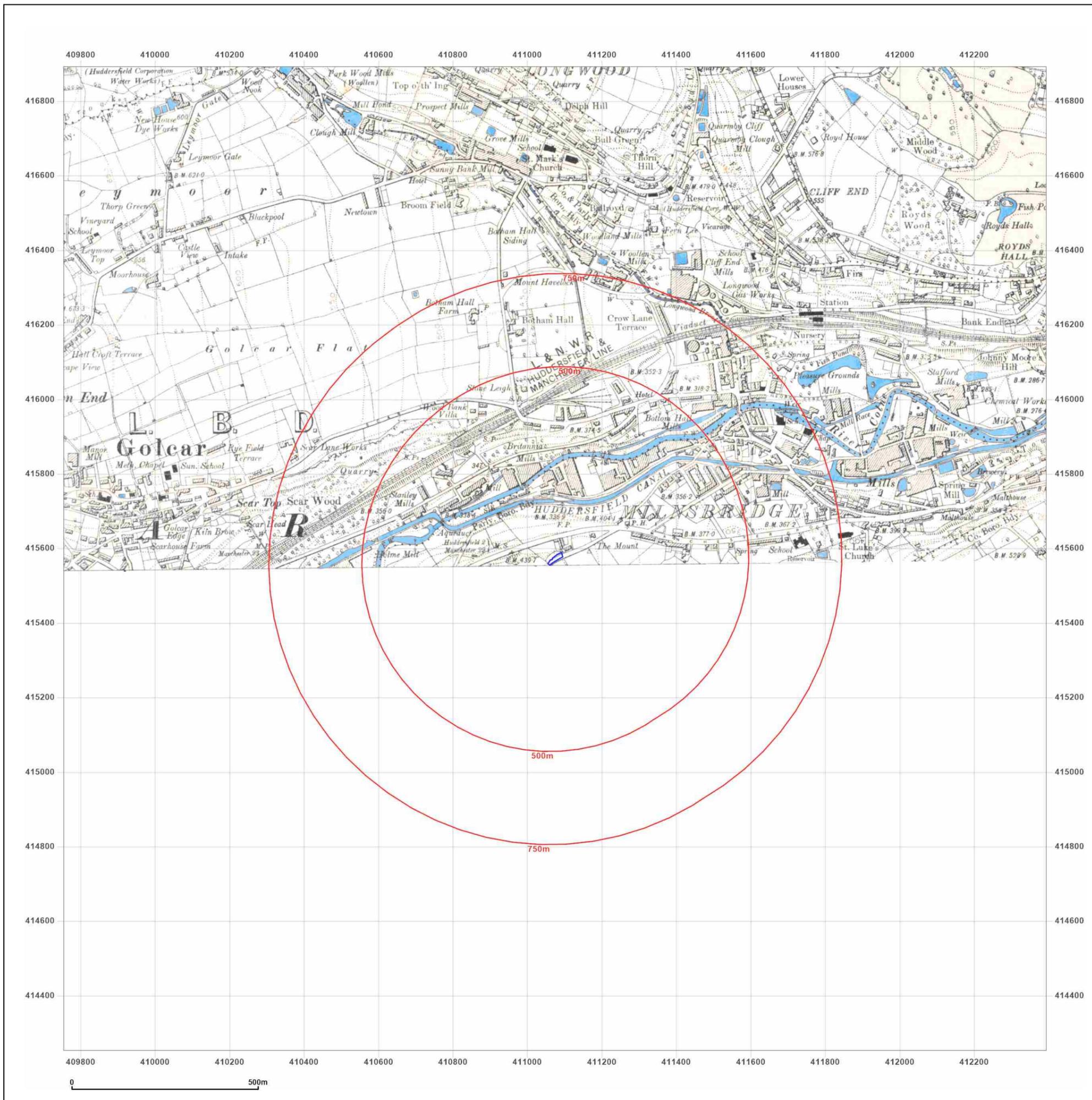


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: County Series

Map date: 1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1890
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1891
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

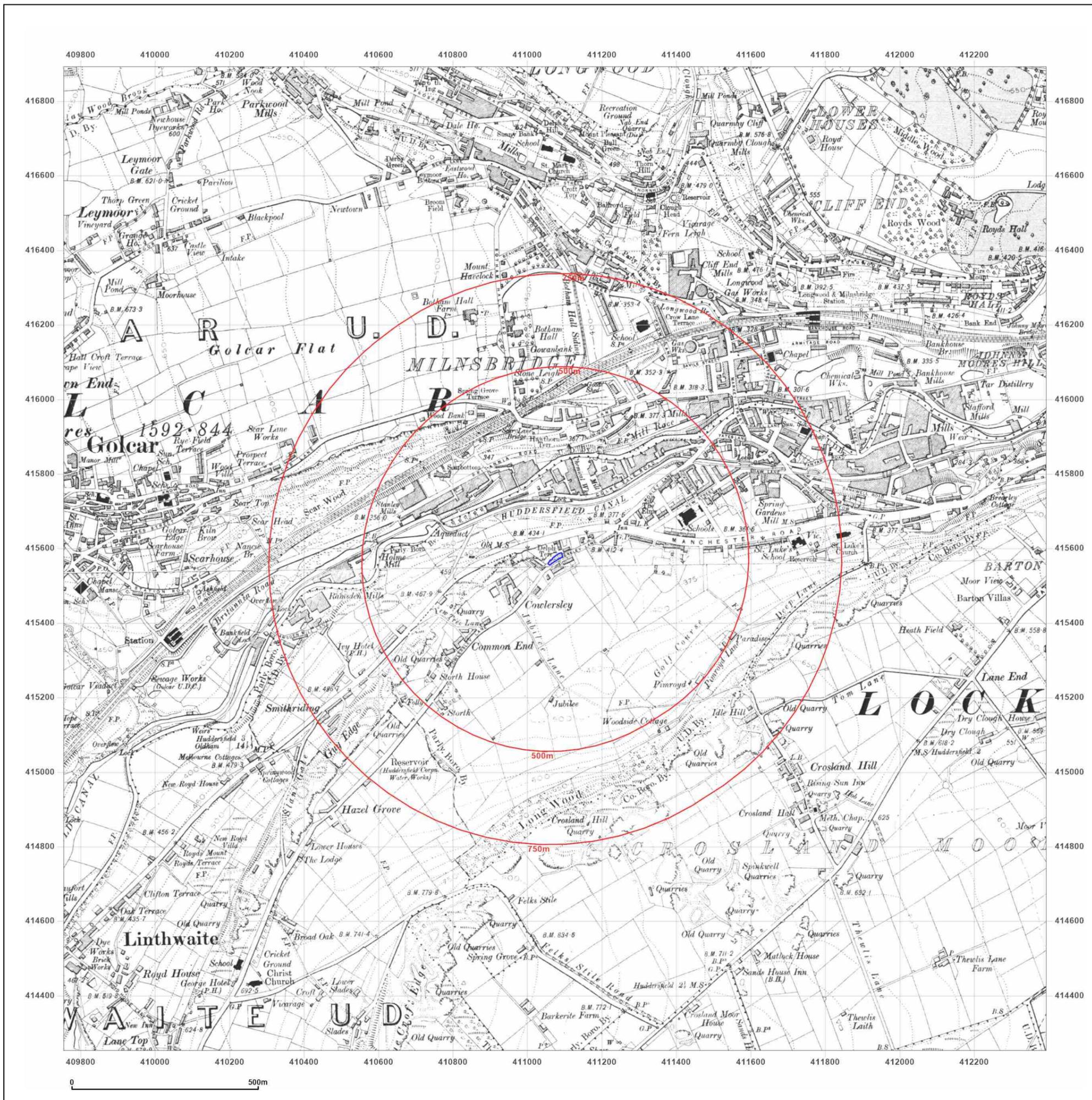


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: County Series

Map date: 1930

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1849
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1851
Revised 1930
Edition N/A
Copyright N/A
Levelled N/A

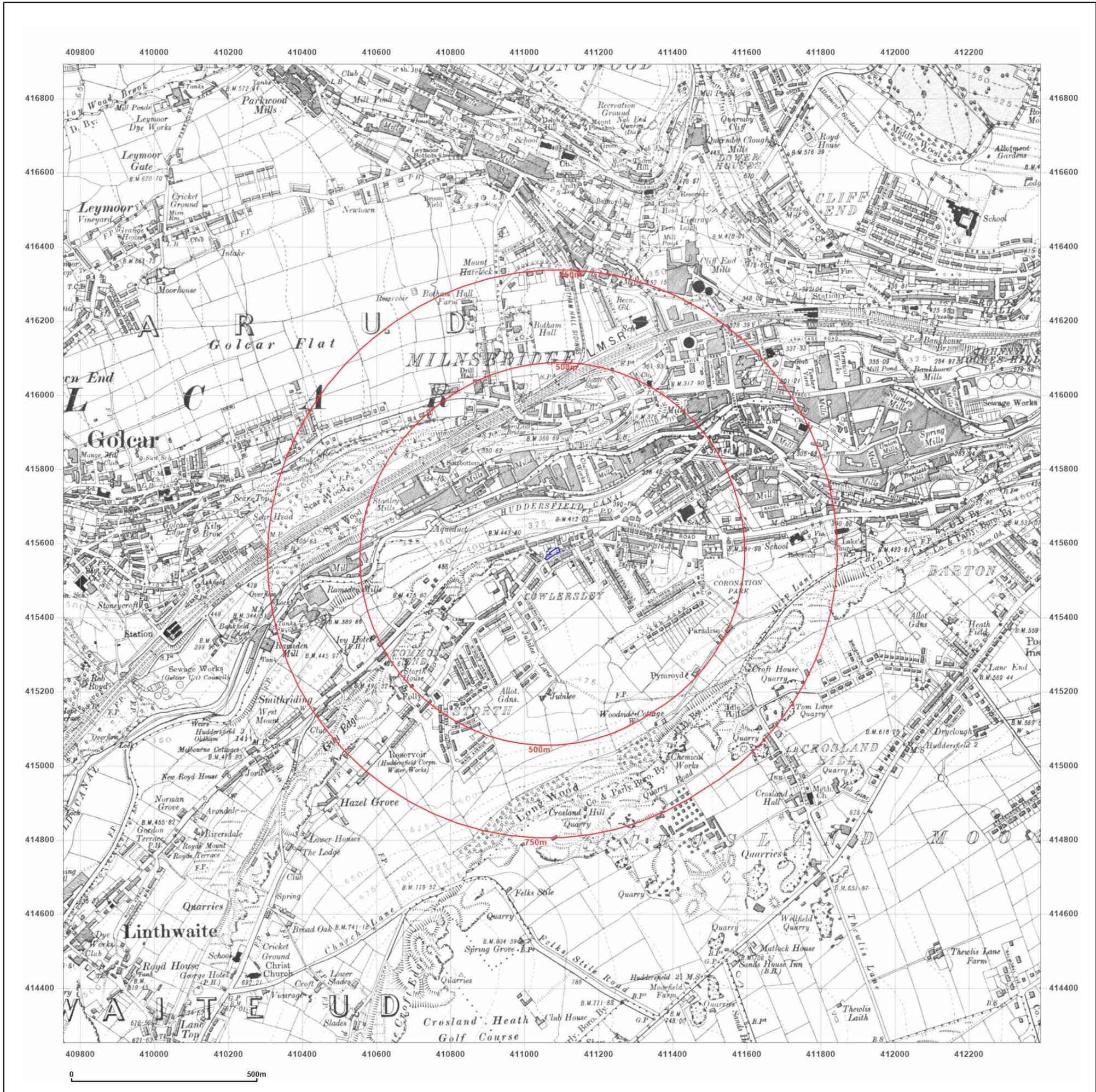


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1849
Revised 1948
Edition N/A
Copyright N/A
Levelled N/A

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

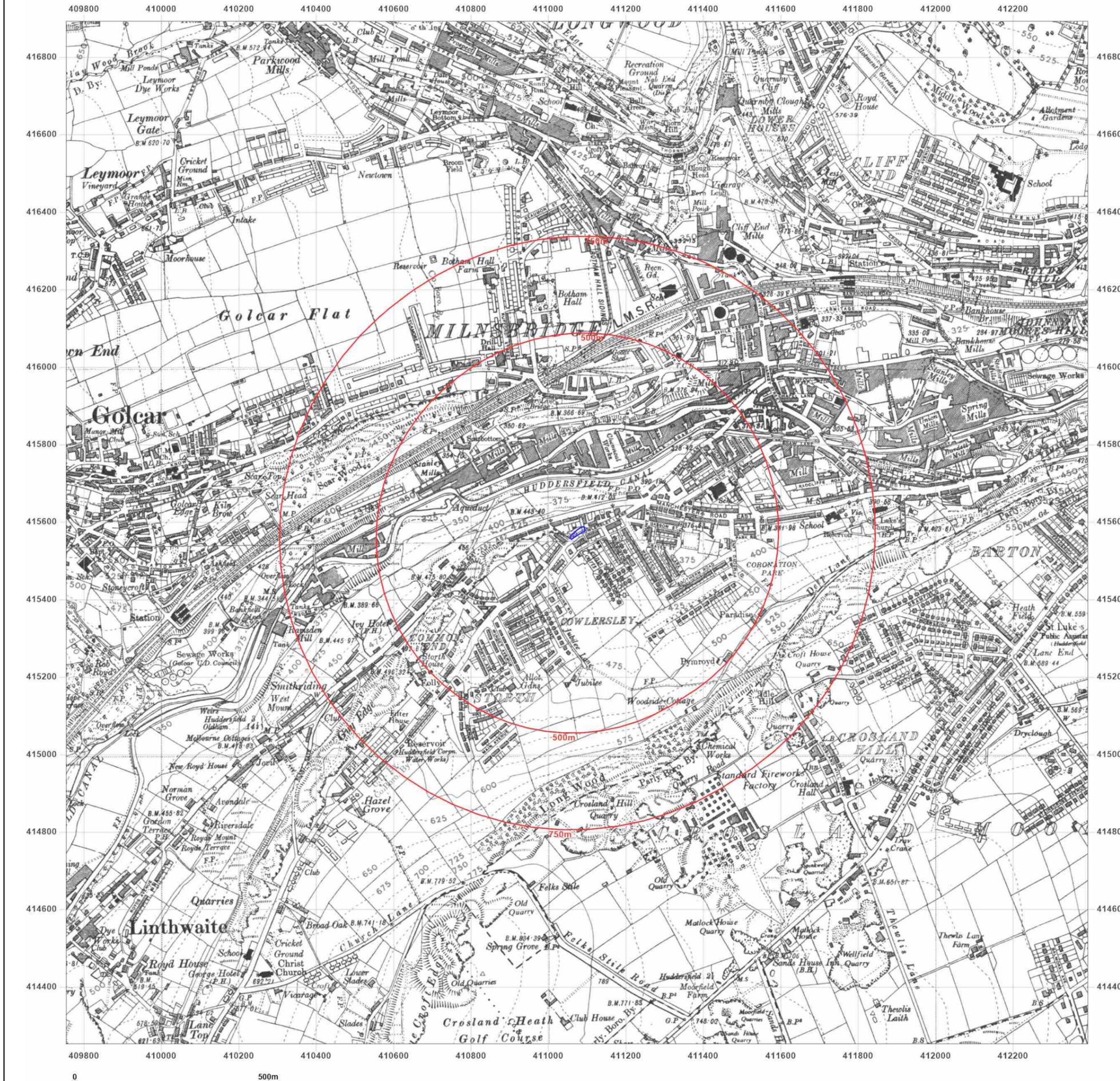


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: Provisional

Map date: 1955-1956

Scale: 1:10,560

Printed at: 1:10,560



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

Surveyed 1951
Revised 1951
Edition N/A
Copyright 1956
Levelled N/A

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

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

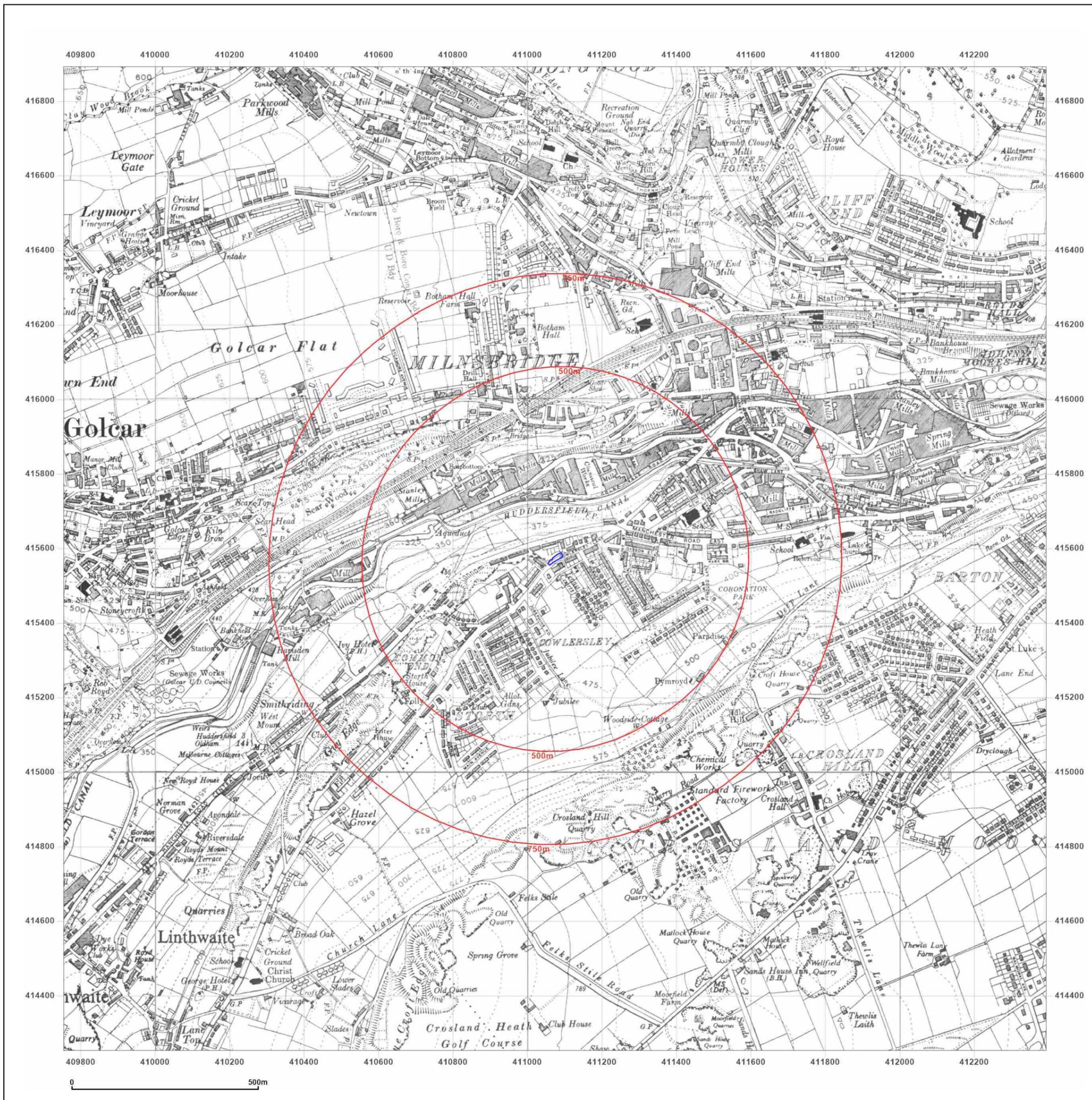


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: Provisional

Map date: 1966-1969

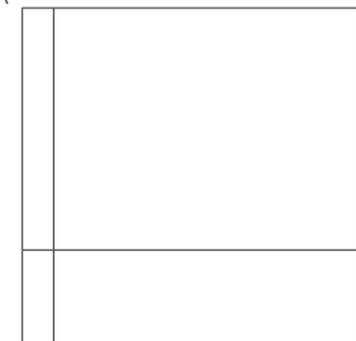
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Printed at: 1:10,560



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

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



Surveyed 1969
Revised 1969
Edition N/A
Copyright N/A
Levelled N/A

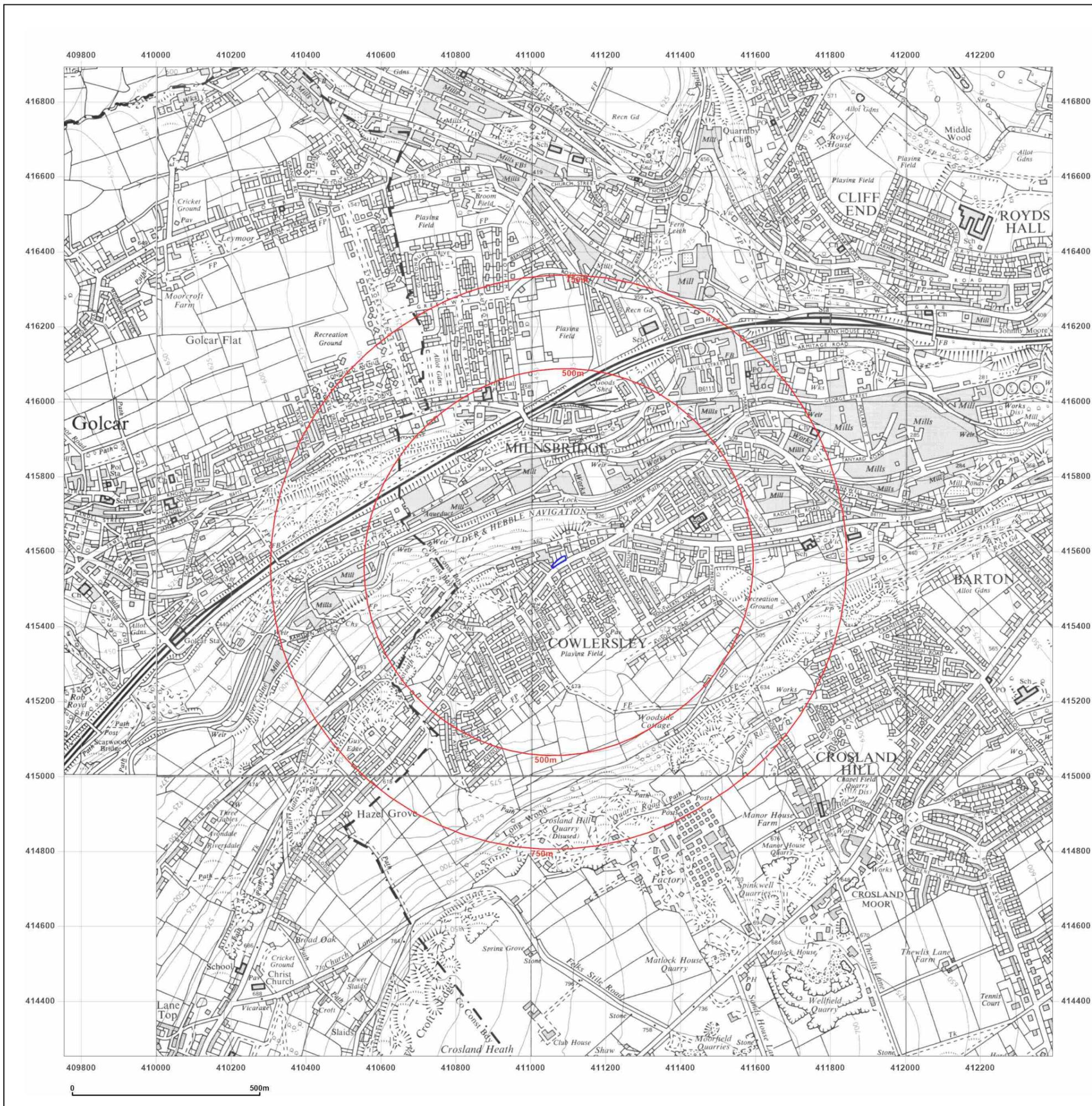


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: National Grid

Map date: 1975-1978

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1977
Revised 1978
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1974
Revised 1975
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1978
Revised 1978
Edition N/A
Copyright N/A
Levelled N/A

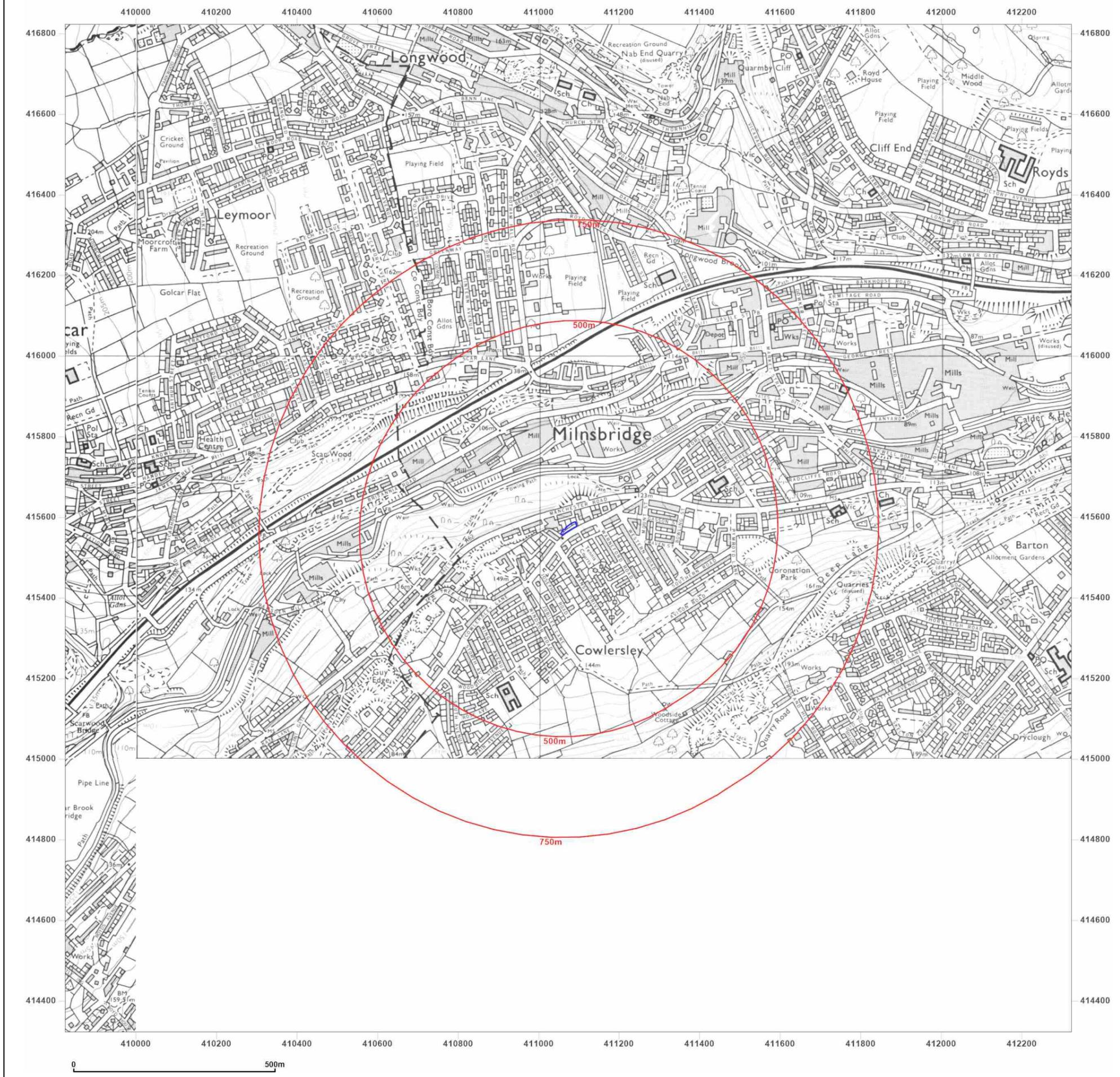


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: National Grid

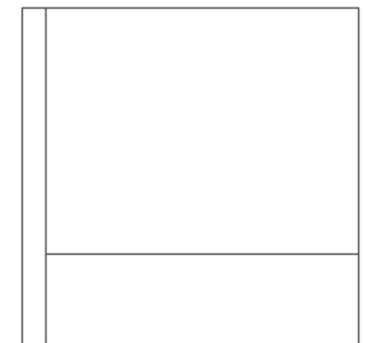
Map date: 1984-1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
Revised 1985
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1983
Revised 1984
Edition N/A
Copyright N/A
Levelled N/A

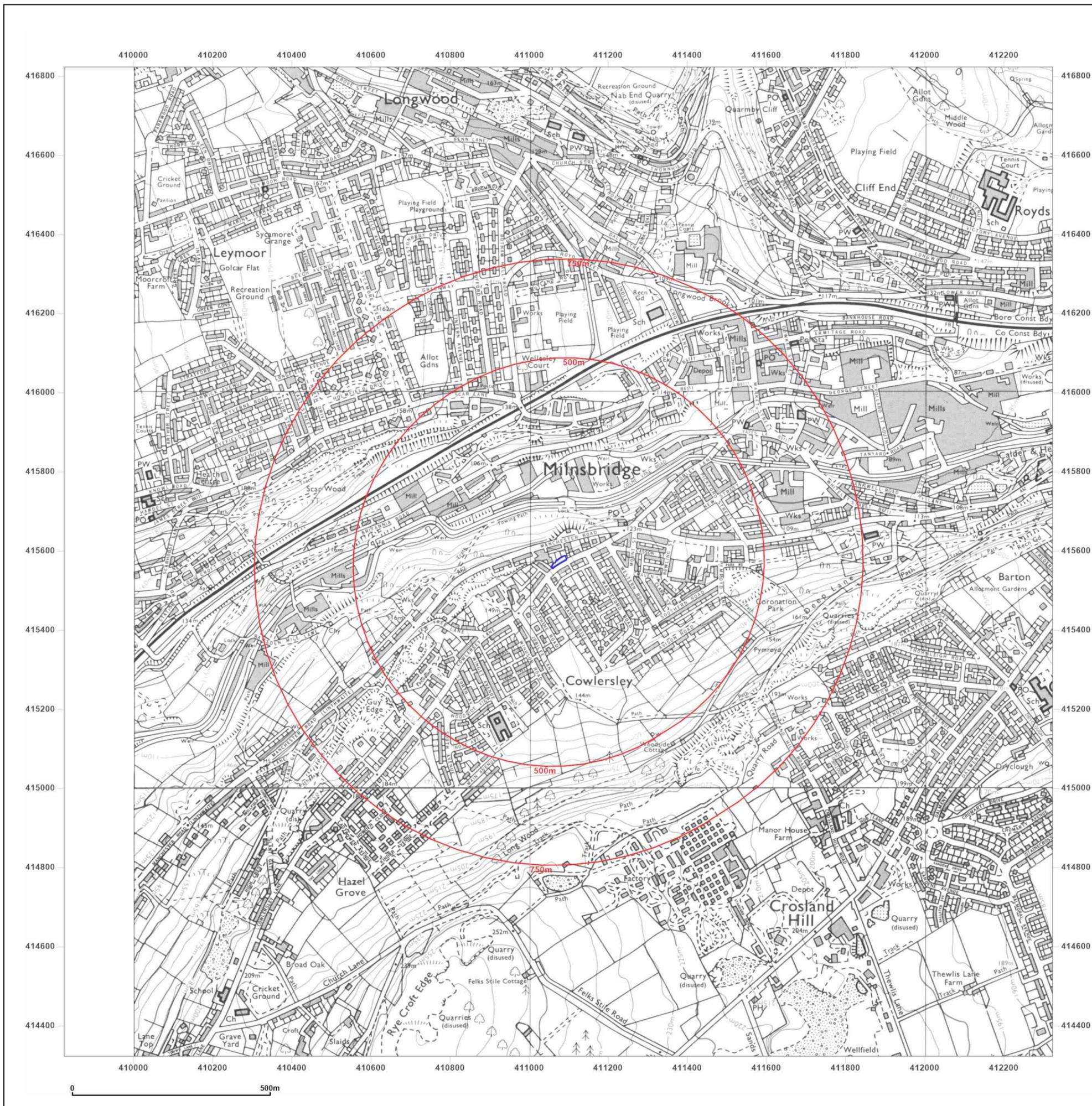


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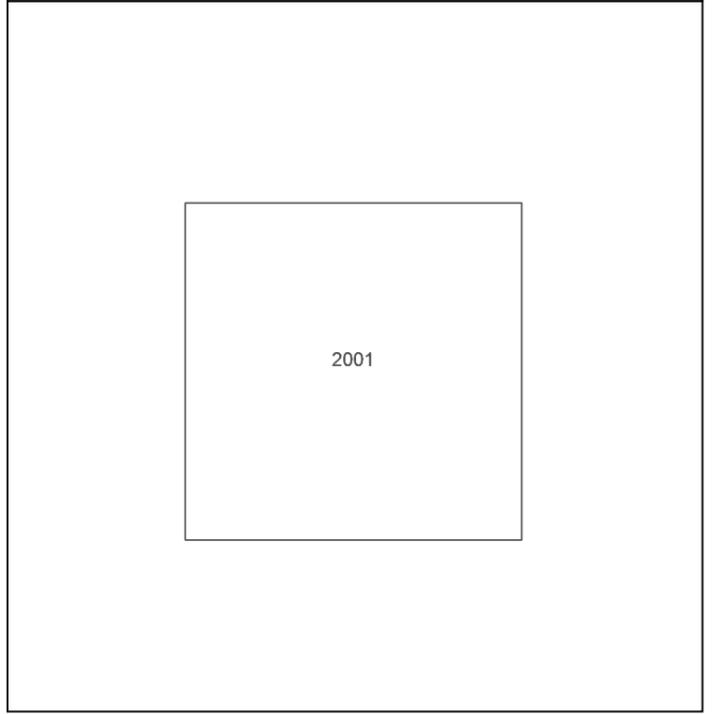


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HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

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



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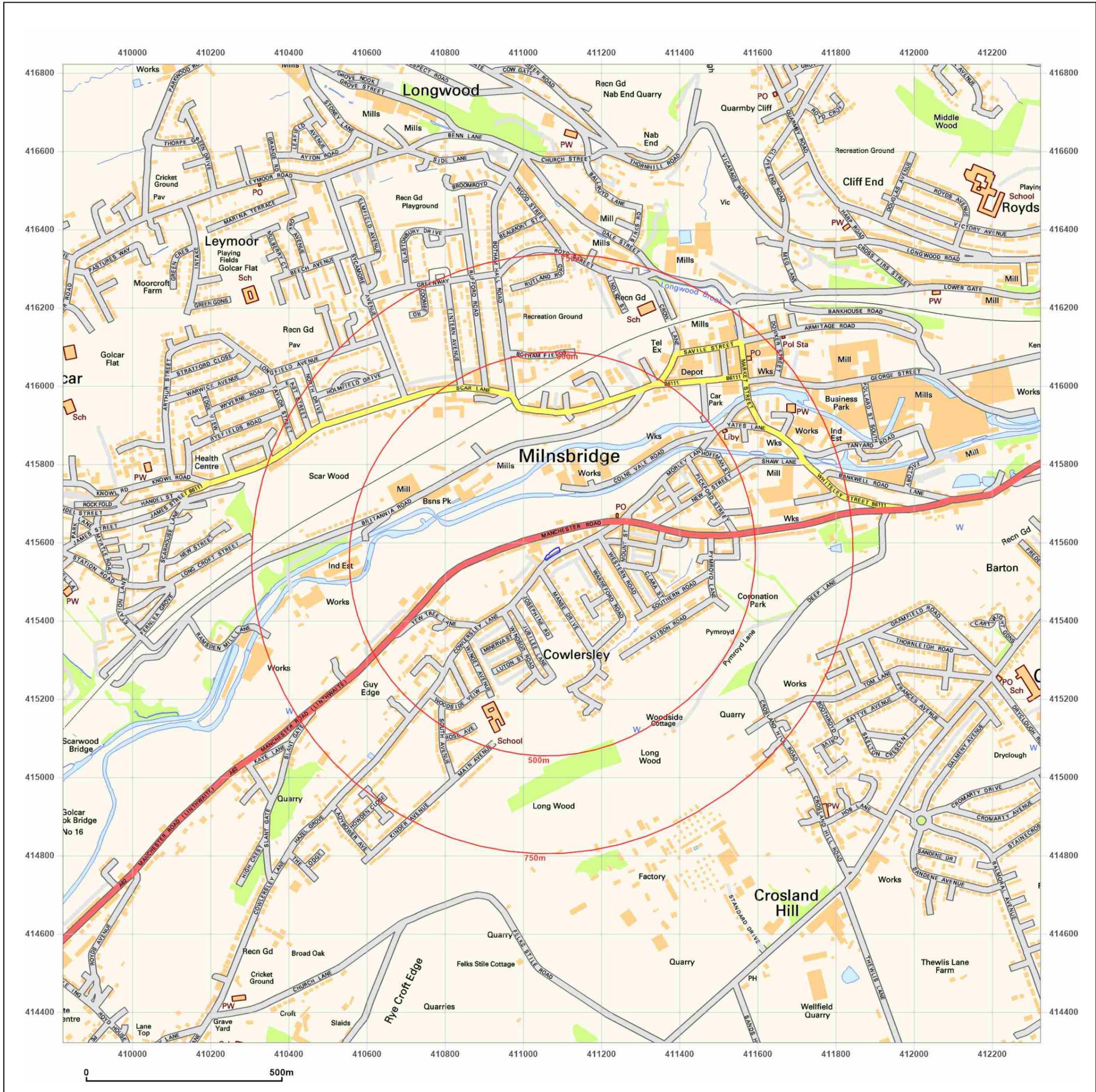


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Site Details:

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COWLERSLEY, HUDDERSFIELD,
HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

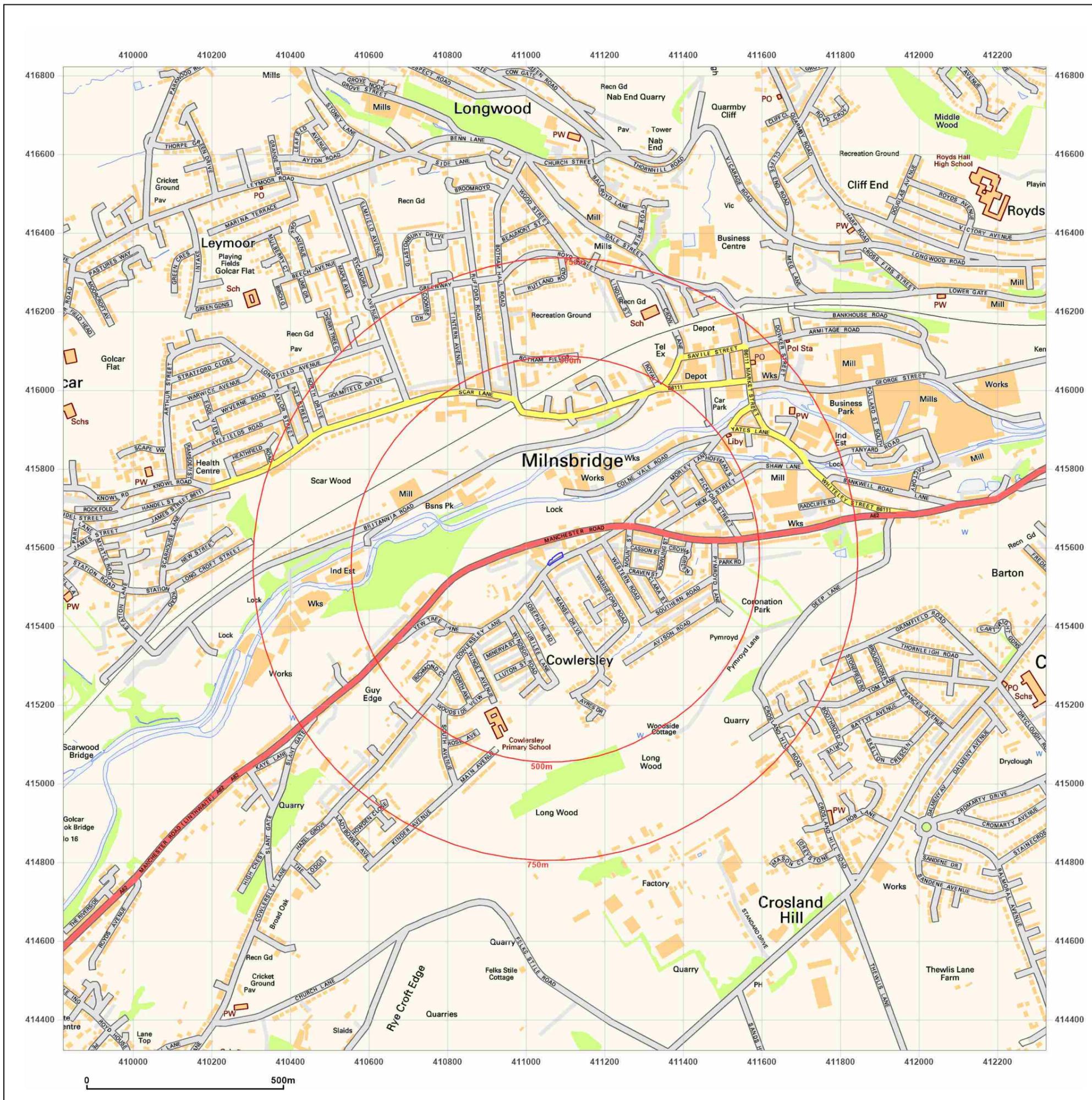


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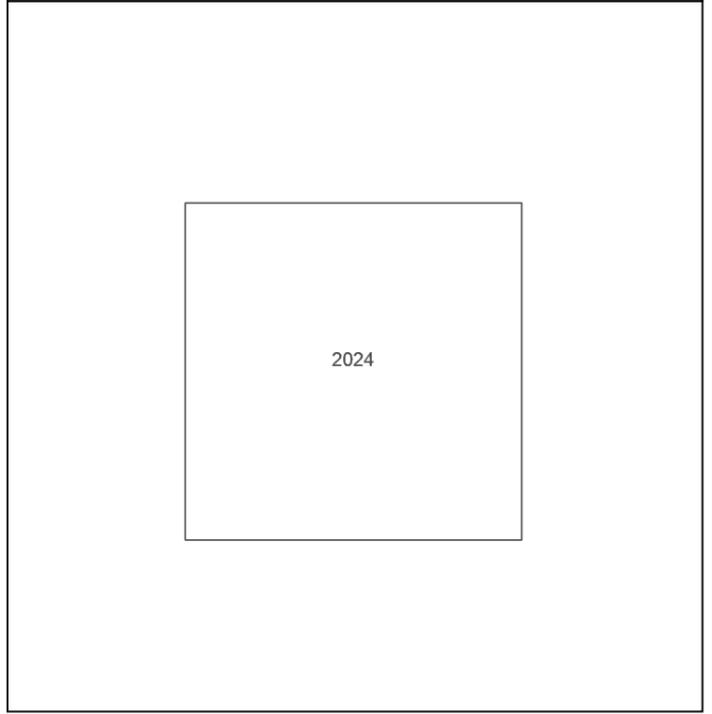
Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf



Site Details:
 18B, COWLERSLEY LANE,
 COWLERSLEY, HUDDERSFIELD,
 HD4 5TY

Client Ref: C4351_24_E_6662_PO-2989
Report Ref: GS-UNW-H8T-1AR-LX4
Grid Ref: 411073, 415572

Map Name: National Grid
Map date: 2024
Scale: 1:10,000
Printed at: 1:10,000



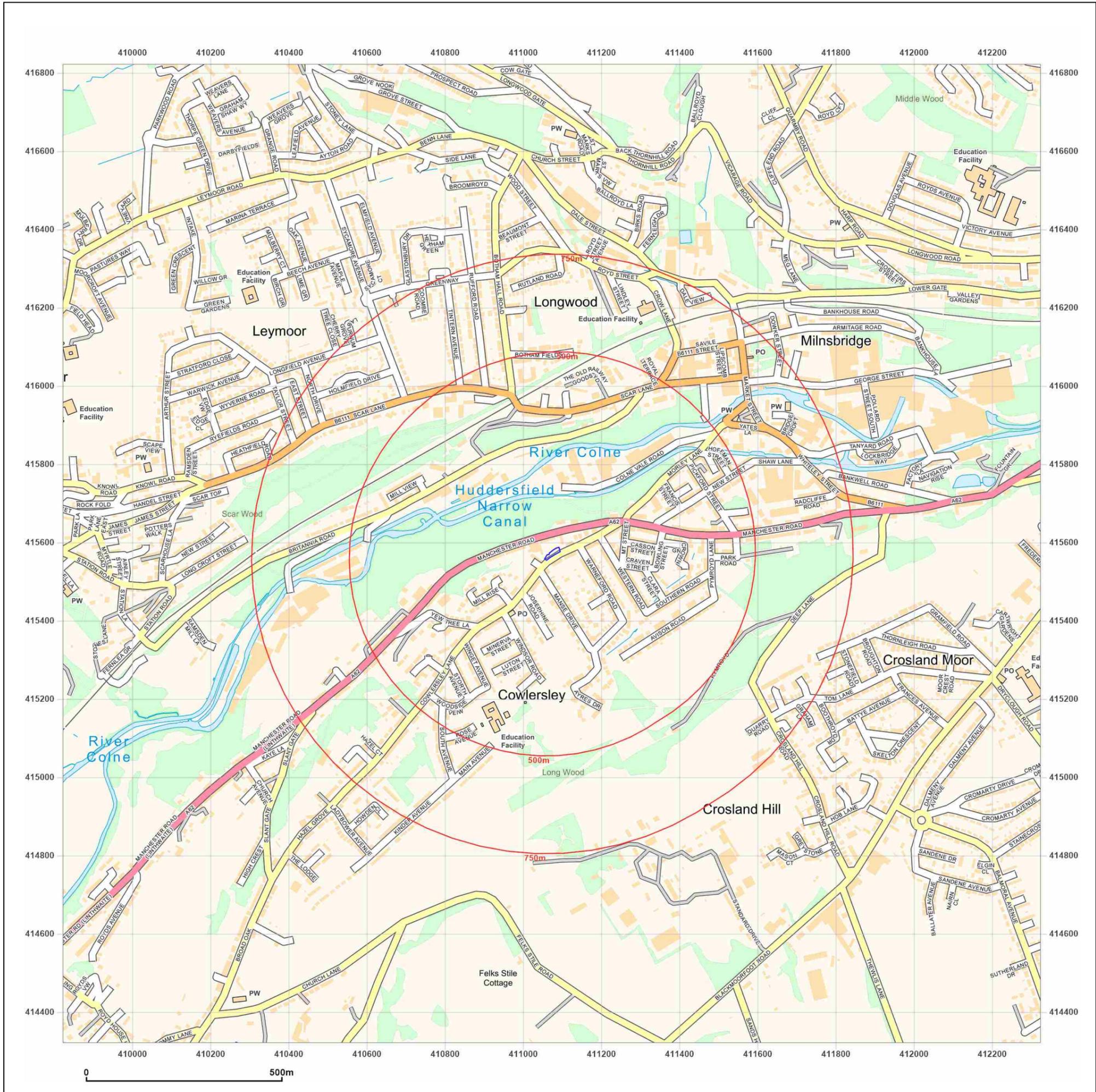
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Appendix 3

Groundsure Reports

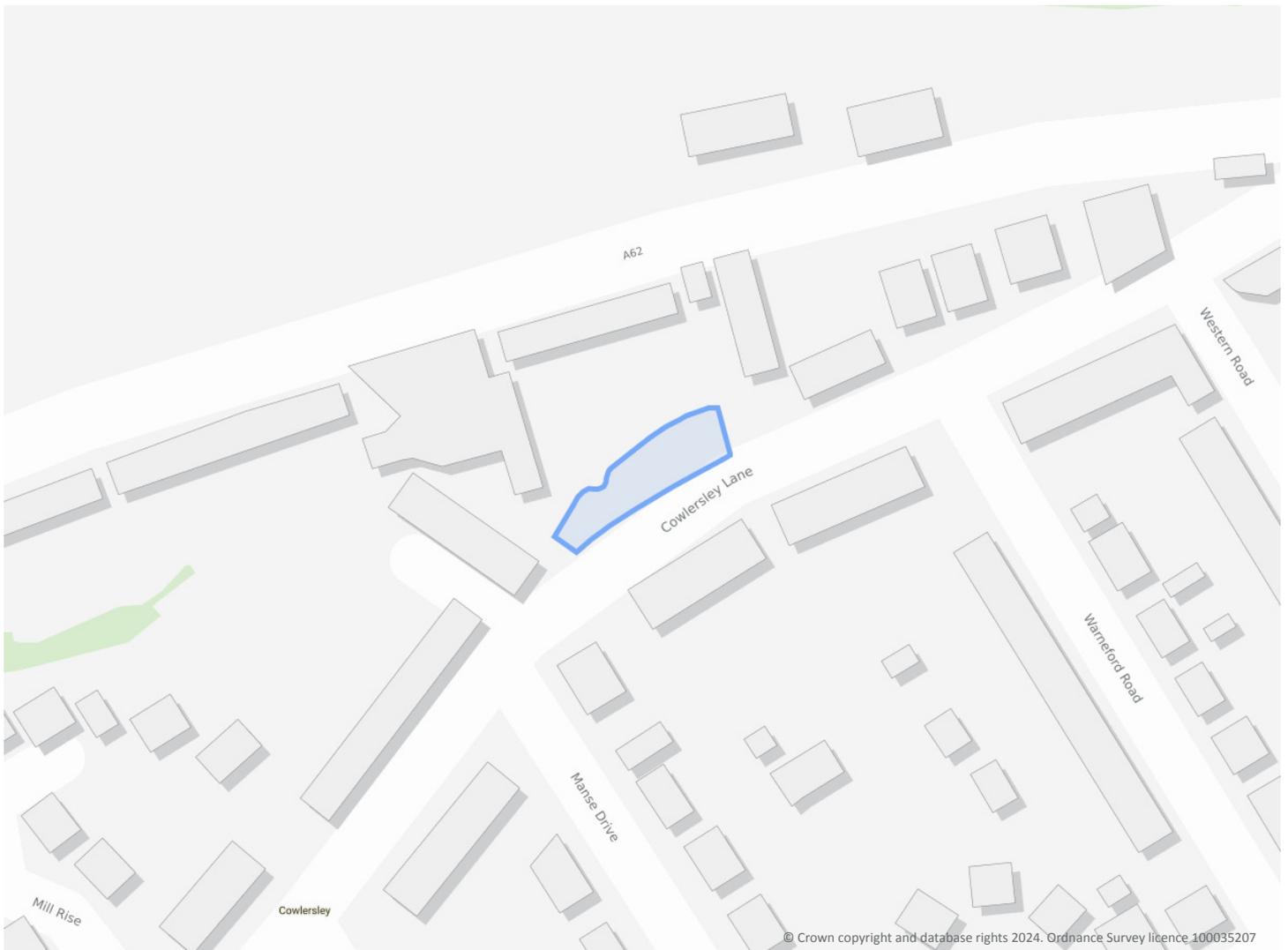
18B, COWLERSLEY LANE, COWLERSLEY, HUDDERSFIELD, HD4 5TY

Order Details

Date: 18/06/2024
Your ref: C4351_24_E_6662_PO-2989
Our Ref: GS-EV6-OXR-L8A-IIW

Site Details

Location: 411076 415570
Area: 0.05 ha
Authority: [Kirklees Council](#) ↗



[Summary of findings](#)

[p. 2 >](#)

[Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 >](#)

[Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	31	63	-
19 >	1.2 >	Historical tanks >	0	0	18	20	-
21 >	1.3 >	Historical energy features >	0	1	4	8	-
22	1.4	Historical petrol stations	0	0	0	0	-
22 >	1.5 >	Historical garages >	0	3	0	8	-
23	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
24 >	2.1 >	Historical industrial land uses >	0	0	44	88	-
29 >	2.2 >	Historical tanks >	0	0	23	29	-
31 >	2.3 >	Historical energy features >	0	3	7	15	-
33	2.4	Historical petrol stations	0	0	0	0	-
33 >	2.5 >	Historical garages >	0	5	0	9	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
34	3.1	Active or recent landfill	0	0	0	0	-
34	3.2	Historical landfill (BGS records)	0	0	0	0	-
35	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
35 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
35 >	3.5 >	Historical waste sites >	0	0	2	2	-
37 >	3.6 >	Licensed waste sites >	0	0	10	3	-
41 >	3.7 >	Waste exemptions >	0	0	12	9	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
43 >	4.1 >	Recent industrial land uses >	0	2	13	-	-
44 >	4.2 >	Current or recent petrol stations >	0	0	0	2	-
45	4.3	Electricity cables	0	0	0	0	-
45	4.4	Gas pipelines	0	0	0	0	-
45	4.5	Sites determined as Contaminated Land	0	0	0	0	-



45	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
46	4.7	Regulated explosive sites	0	0	0	0	-
46	4.8	Hazardous substance storage/usage	0	0	0	0	-
46 >	4.9 >	Historical licensed industrial activities (IPC) >	0	0	5	2	-
47 >	4.10 >	Licensed industrial activities (Part A(1)) >	0	0	0	2	-
48 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	2	-
48	4.12	Radioactive Substance Authorisations	0	0	0	0	-
48 >	4.13 >	Licensed Discharges to controlled waters >	0	0	0	7	-
50	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
50	4.15	Pollutant release to public sewer	0	0	0	0	-
50	4.16	List 1 Dangerous Substances	0	0	0	0	-
50	4.17	List 2 Dangerous Substances	0	0	0	0	-
51 >	4.18 >	Pollution Incidents (EA/NRW) >	0	0	5	7	-
52	4.19	Pollution inventory substances	0	0	0	0	-
52	4.20	Pollution inventory waste transfers	0	0	0	0	-
53	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
54 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
55 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
56 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
57	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
57	5.5	Groundwater vulnerability- local information	None (within 0m)				
58 >	5.6 >	Groundwater abstractions >	0	0	0	0	19
63 >	5.7 >	Surface water abstractions >	0	0	0	1	27
70 >	5.8 >	Potable abstractions >	0	0	0	0	7
72	5.9	Source Protection Zones	0	0	0	0	-
72	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
73 >	6.1 >	Water Network (OS MasterMap) >	0	0	6	-	-



74 >	6.2 >	Surface water features >	0	0	1	-	-
74 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
75 >	6.4 >	WFD Surface water bodies >	0	0	2	-	-
75 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
77	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
77	7.2	Historical Flood Events	0	0	0	-	-
77	7.3	Flood Defences	0	0	0	-	-
78	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
78	7.5	Flood Storage Areas	0	0	0	-	-
79	7.6	Flood Zone 2	None (within 50m)				
79	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
80	8.1	Surface water flooding	Negligible (within 50m)				
Page	Section	Groundwater flooding >					
81 >	9.1 >	Groundwater flooding >	Negligible (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
82	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
83	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
83	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
83	10.4	Special Protection Areas (SPA)	0	0	0	0	0
83	10.5	National Nature Reserves (NNR)	0	0	0	0	0
84 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
84 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	1
84	10.8	Biosphere Reserves	0	0	0	0	0
85	10.9	Forest Parks	0	0	0	0	0
85	10.10	Marine Conservation Zones	0	0	0	0	0
85 >	10.11 >	Green Belt >	0	1	0	0	0
85	10.12	Proposed Ramsar sites	0	0	0	0	0



86	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
86	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
86	10.15	Nitrate Sensitive Areas	0	0	0	0	0
86	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
87 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
88	10.18	SSSI Units	0	0	0	0	0
Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
89	11.1	World Heritage Sites	0	0	0	-	-
90	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
90	11.3	National Parks	0	0	0	-	-
90 >	11.4 >	<u>Listed Buildings ></u>	0	0	1	-	-
91 >	11.5 >	<u>Conservation Areas ></u>	0	0	1	-	-
91	11.6	Scheduled Ancient Monuments	0	0	0	-	-
91	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
92 >	12.1 >	<u>Agricultural Land Classification ></u>	Urban (within 250m)				
93	12.2	Open Access Land	0	0	0	-	-
93	12.3	Tree Felling Licences	0	0	0	-	-
93	12.4	Environmental Stewardship Schemes	0	0	0	-	-
93	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
94 >	13.1 >	<u>Priority Habitat Inventory ></u>	0	1	3	-	-
95	13.2	Habitat Networks	0	0	0	-	-
95	13.3	Open Mosaic Habitat	0	0	0	-	-
95	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
96 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
97 >	14.2 >	<u>Artificial and made ground (10k) ></u>	1	1	3	10	-
99 >	14.3 >	<u>Superficial geology (10k) ></u>	0	0	1	0	-

100	14.4	Landslip (10k)	0	0	0	0	-
101 >	14.5 >	Bedrock geology (10k) >	1	0	2	2	-
102	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
103 >	15.1 >	50k Availability >	Identified (within 500m)				
104 >	15.2 >	Artificial and made ground (50k) >	0	1	1	2	-
105 >	15.3 >	Artificial ground permeability (50k) >	0	1	-	-	-
106 >	15.4 >	Superficial geology (50k) >	0	0	1	0	-
107	15.5	Superficial permeability (50k)	None (within 50m)				
107	15.6	Landslip (50k)	0	0	0	0	-
107	15.7	Landslip permeability (50k)	None (within 50m)				
108 >	15.8 >	Bedrock geology (50k) >	1	0	2	2	-
109 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
109	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	16.1 >	BGS Boreholes >	0	0	5	-	-
Page	Section	Natural ground subsidence >					
112 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
113 >	17.2 >	Running sands >	Very low (within 50m)				
115 >	17.3 >	Compressible deposits >	Very low (within 50m)				
117 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
118 >	17.5 >	Landslides >	Very low (within 50m)				
119 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
121 >	18.1 >	BritPits >	0	0	1	3	-
122 >	18.2 >	Surface ground workings >	0	0	28	-	-
124	18.3	Underground workings	0	0	0	0	0
124	18.4	Underground mining extents	0	0	0	0	-
124	18.5	Historical Mineral Planning Areas	0	0	0	0	-



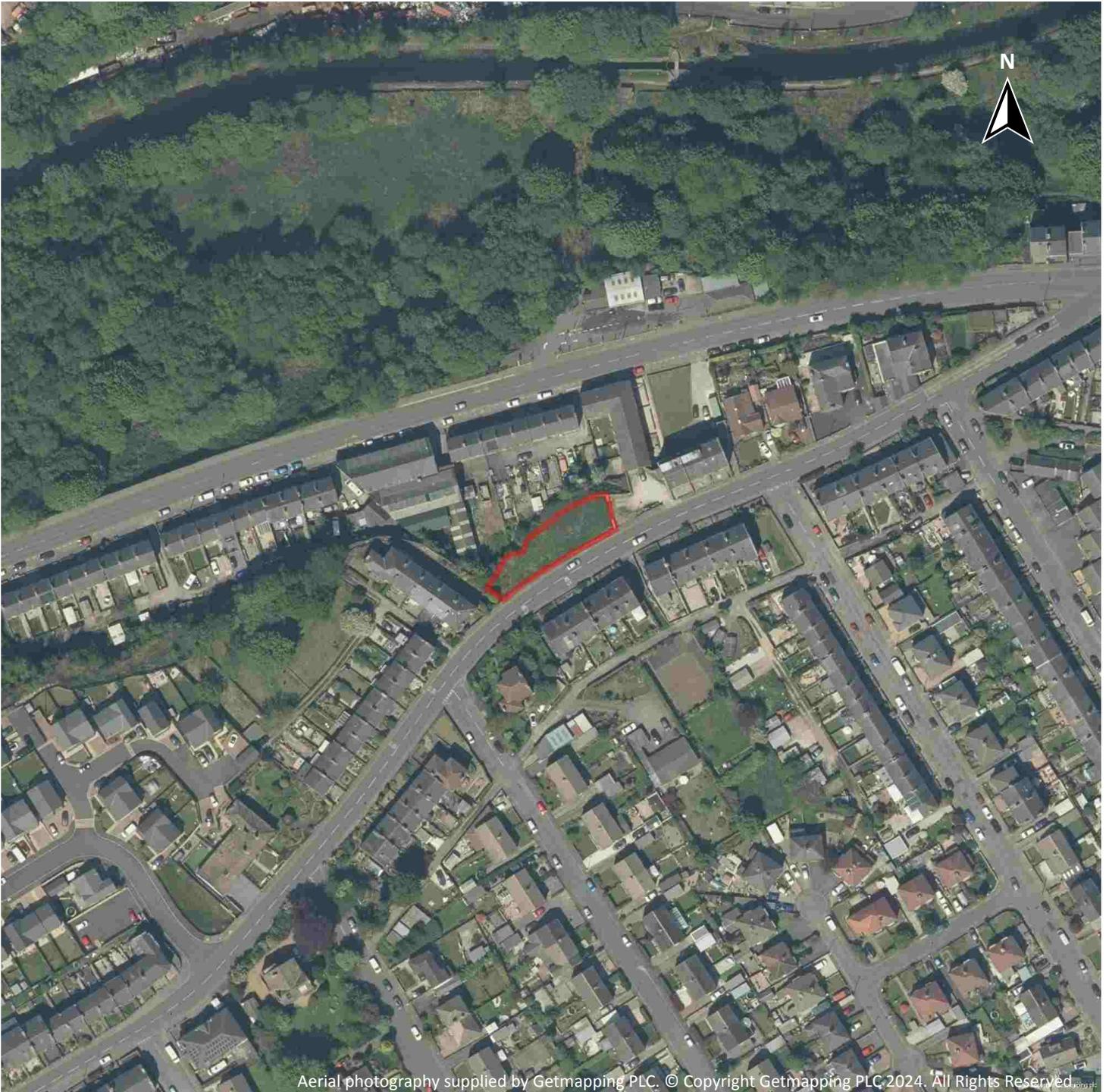
124 >	18.6 >	Non-coal mining >	1	0	0	0	1
125	18.7	JPB mining areas	None (within 0m)				
125	18.8	The Coal Authority non-coal mining	0	0	0	0	-
125	18.9	Researched mining	0	0	0	0	-
126	18.10	Mining record office plans	0	0	0	0	-
126	18.11	BGS mine plans	0	0	0	0	-
126	18.12	Coal mining	None (within 0m)				
126	18.13	Brine areas	None (within 0m)				
126	18.14	Gypsum areas	None (within 0m)				
127	18.15	Tin mining	None (within 0m)				
127	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
128	19.1	Natural cavities	0	0	0	0	-
128	19.2	Mining cavities	0	0	0	0	0
128	19.3	Reported recent incidents	0	0	0	0	-
128	19.4	Historical incidents	0	0	0	0	-
129	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
130 >	20.1 >	Radon >	Between 3% and 5% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
132 >	21.1 >	BGS Estimated Background Soil Chemistry >	1	0	-	-	-
132	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
132	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
133	22.1	Underground railways (London)	0	0	0	-	-
133	22.2	Underground railways (Non-London)	0	0	0	-	-
133	22.3	Railway tunnels	0	0	0	-	-
133	22.4	Historical railway and tunnel features	0	0	0	-	-
133	22.5	Royal Mail tunnels	0	0	0	-	-



134	22.6	Historical railways	0	0	0	-	-
134	22.7	Railways	0	0	0	-	-
134	22.8	Crossrail 1	0	0	0	0	-
134	22.9	Crossrail 2	0	0	0	0	-
134	22.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 30/05/2021

Site Area: 0.05ha



Recent site history - 2018 aerial photograph

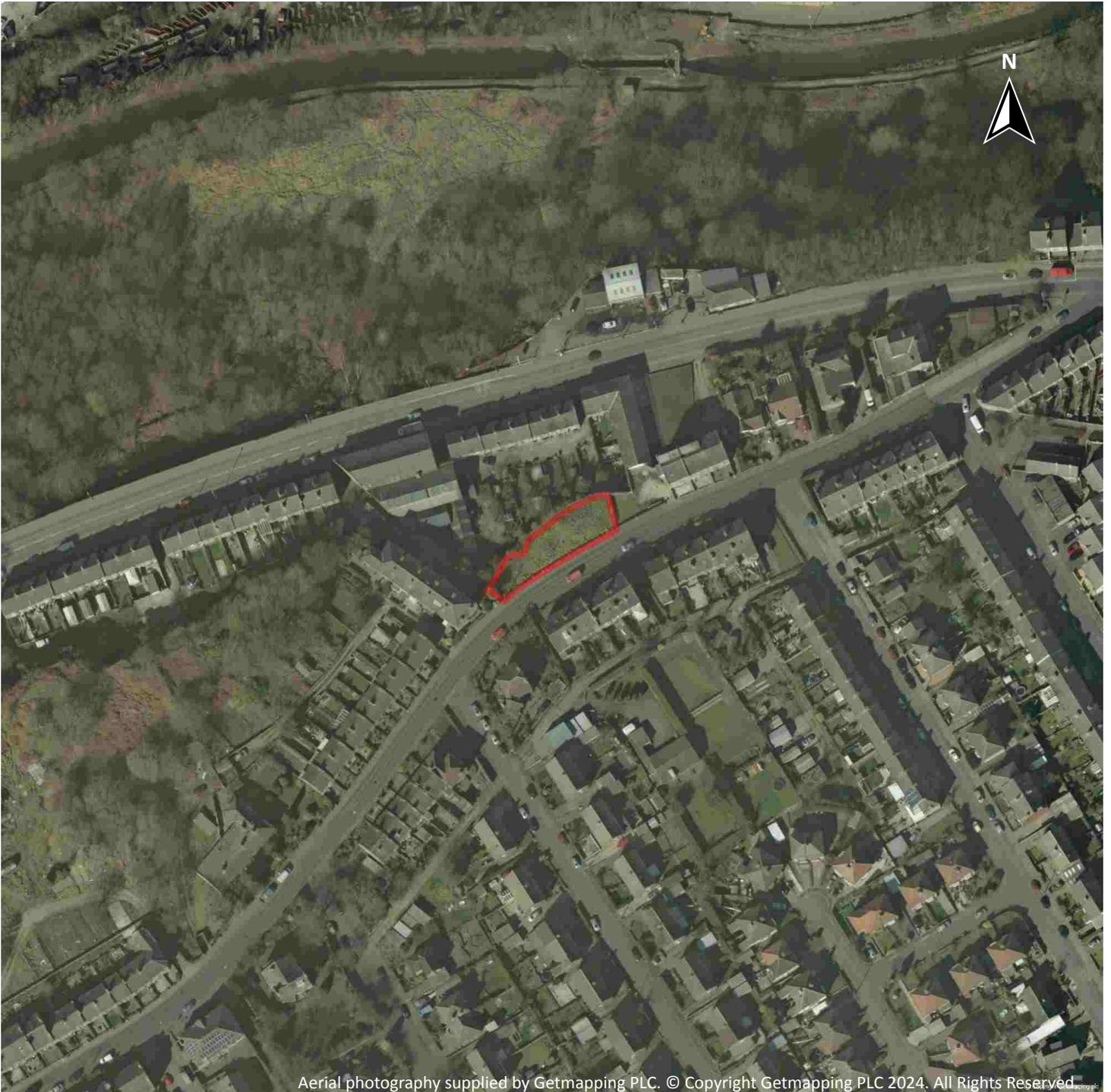


Capture Date: 01/07/2018

Site Area: 0.05ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.05ha



Recent site history - 2000 aerial photograph



Capture Date: 25/08/2000

Site Area: 0.05ha



Recent site history - 1999 aerial photograph



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Capture Date: 05/09/1999

Site Area: 0.05ha



OS MasterMap site plan

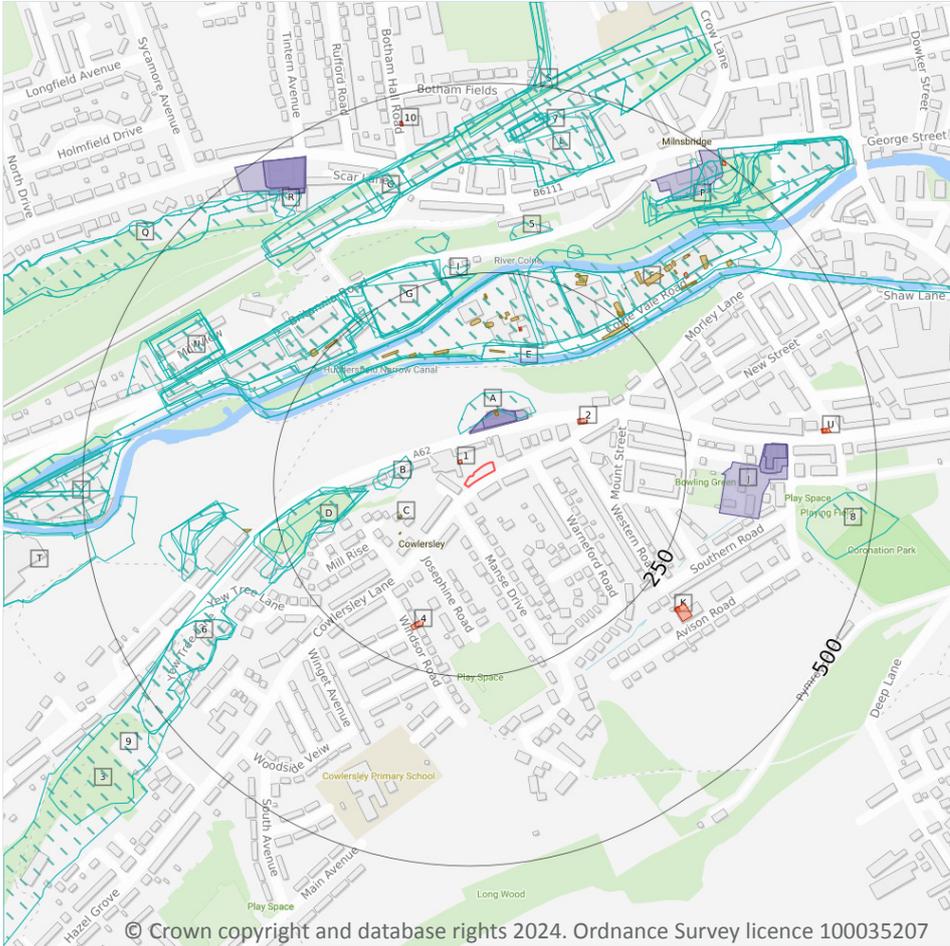


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Site Area: 0.05ha



1 Past land use



Site Outline

Search buffers in metres (m)

- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m **94**

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

Features are displayed on the Past land use map on [page 15](#) >

ID	Location	Land use	Dates present	Group ID
A	52m NW	Unspecified Heap	1966 - 1985	1555893



ID	Location	Land use	Dates present	Group ID
B	71m W	Unspecified Quarry	1890	1426579
B	92m W	Unspecified Pit	1905	1451749
D	126m W	Unspecified Quarry	1905	1426578
D	126m W	Unspecified Ground Workings	1948	1506265
D	129m W	Unspecified Ground Workings	1956	1515320
3	129m W	Unspecified Quarries	1930	1492947
E	133m N	Disused Canal	1985	1487658
E	133m N	Disused Canal	1975	1532635
E	136m N	Unspecified Works	1966 - 1985	1531753
E	136m N	Chemical Works	1948 - 1956	1534170
E	141m N	Chemical Works	1938	1494974
D	147m W	Unspecified Ground Workings	1966 - 1985	1540941
E	154m N	Chemical Works	1905	1544898
F	175m NE	Unspecified Mill	1905	1551279
F	200m NE	Unspecified Mill	1938 - 1948	1535317
G	204m N	Unspecified Mills	1948	1547620
F	206m NE	Unspecified Mill	1956	1469107
F	206m NE	Unspecified Works	1966 - 1975	1544077
G	207m NW	Unspecified Mills	1956	1490892
G	207m NW	Unspecified Mill	1966 - 1975	1465396
G	209m NW	Unspecified Mills	1938	1507252
H	209m NW	Unspecified Commercial/Industrial	1905	1410449
G	211m NW	Unspecified Mills	1890	1553002
H	220m NW	Unspecified Mill	1985	1516809
H	222m NW	Unspecified Mills	1948	1459338
H	226m NW	Unspecified Mills	1938	1555234
H	227m NW	Unspecified Mill	1966 - 1975	1511024
H	227m NW	Unspecified Mills	1956	1555957



ID	Location	Land use	Dates present	Group ID
D	236m W	Unspecified Heap	1966 - 1985	1528915
I	248m N	Unspecified Ground Workings	1948	1412109
H	254m NW	Unspecified Mill	1890	1488336
I	285m N	Unspecified Heap	1985	1415060
F	288m N	Unspecified Pit	1948	1451750
D	290m W	Unspecified Works	1975 - 1985	1531021
5	294m N	Unspecified Pit	1890	1451748
D	298m W	Refuse Heap	1966 - 1985	1461411
D	314m W	Refuse Heap	1930	1528950
D	315m W	Refuse Heap	1948	1531573
D	317m W	Refuse Heap	1956	1516151
F	335m NE	Unspecified Works	1985	1478961
6	347m SW	Unspecified Quarry	1956 - 1985	1502062
L	352m N	Railway Sidings	1948	1459483
L	352m N	Railway Sidings	1890 - 1905	1490881
M	357m SW	Unspecified Old Quarries	1905	1422092
M	357m SW	Unspecified Quarry	1948	1481502
N	357m NW	Unspecified Mill	1975	1475760
O	358m N	Cuttings	1905	1543600
O	358m N	Cuttings	1948	1551316
L	362m N	Railway Sidings	1938	1470453
L	362m N	Cuttings	1938	1540567
D	364m W	Unspecified Heap	1966 - 1985	1477853
N	364m NW	Unspecified Mills	1890	1474213
N	365m NW	Unspecified Commercial/Industrial	1966	1410446
N	365m NW	Unspecified Mills	1956	1552096
L	367m NW	Railway Sidings	1956	1524153
N	368m NW	Unspecified Mills	1905	1487657



ID	Location	Land use	Dates present	Group ID
P	373m NE	Refuse Heap	1905	1436533
P	373m NE	Unspecified Ground Workings	1948 - 1956	1535284
7	373m N	Railway Sidings	1966	1513864
L	378m N	Cuttings	1890 - 1905	1500214
L	378m N	Cuttings	1948 - 1956	1537128
P	382m NE	Unspecified Mills	1966	1495300
P	382m NE	Unspecified Mill	1975	1534782
P	385m NE	Unspecified Ground Workings	1938	1512291
P	407m NE	Unspecified Ground Workings	1966 - 1985	1534432
P	410m NE	Unspecified Mills	1948	1482660
Q	413m NW	Unspecified Quarry	1890	1486722
P	414m NE	Unspecified Mills	1956	1549867
8	415m E	Unspecified Ground Workings	1966 - 1985	1476216
P	415m NE	Unspecified Mills	1938	1481557
R	417m NW	Unspecified Pit	1966 - 1985	1495133
L	424m N	Goods Shed	1905	1516779
L	424m N	Goods Shed	1948	1530031
L	425m N	Goods Shed	1966	1498776
L	427m N	Railway Building	1890	1428981
L	428m N	Goods Shed	1956	1499752
L	429m N	Goods Shed	1938	1494571
S	429m N	Railway Sidings	1948	1499311
T	430m W	Unspecified Mill	1948	1538350
S	434m N	Railway Sidings	1905	1549680
P	440m NE	Unspecified Mills	1890	1525708
V	442m W	Unspecified Mills	1975 - 1985	1481048
V	442m W	Unspecified Mill	1956 - 1966	1500062
Q	445m NW	Unspecified Quarry	1905	1520458



ID	Location	Land use	Dates present	Group ID
Q	445m NW	Unspecified Quarry	1948	1547139
9	451m SW	Unspecified Ground Workings	1966 - 1985	1511495
P	463m NE	Unspecified Mills	1905	1498809
V	465m W	Unspecified Mill	1930	1458480
V	465m W	Unspecified Mill	1948	1512926
V	465m W	Unspecified Mill	1905	1494657
V	475m W	Unspecified Mill	1890	1545163
V	489m W	Unspecified Mills	1905	1461117
T	492m W	Unspecified Mills	1905 - 1930	1506642

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

38

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	61m N	Unspecified Tank	1960	222873
A	66m N	Unspecified Tank	1961	222874
C	92m SW	Unspecified Tank	1913	222876
C	105m SW	Unspecified Tank	1892	222869
E	145m N	Tanks	1907	230316
E	156m N	Tanks	1907	230315
E	170m NW	Unspecified Tank	1918	222875
E	178m N	Unspecified Tank	1893 - 1907	245684
E	182m N	Tanks	1893	230312



ID	Location	Land use	Dates present	Group ID
E	187m NW	Tanks	1932	230314
E	187m N	Unspecified Tank	1918	222893
E	189m N	Unspecified Tank	1982 - 1990	244200
E	190m N	Unspecified Tank	1932	222897
E	194m N	Unspecified Tank	1996	222894
E	215m N	Unspecified Tank	1996	248836
F	217m NE	Tanks	1893 - 1932	239428
E	218m N	Unspecified Tank	1982 - 1990	244074
H	248m NW	Tanks	1932	230313
F	254m NE	Tanks	1990 - 1996	233677
F	256m NE	Tanks	1982	236701
H	256m NW	Tanks	1893 - 1918	248830
F	258m NE	Filter Tanks	1932	233301
F	265m NE	Filter Tanks	1907 - 1918	241208
F	268m NE	Filter Tanks	1932	233299
D	286m W	Unspecified Tank	1961	222861
F	287m NE	Unspecified Tank	1932	222895
H	302m W	Unspecified Tank	1893	222860
F	304m NE	Tanks	1918	230311
F	308m NE	Tanks	1990 - 1996	234591
F	337m NE	Unspecified Tank	1907	244271
F	339m NE	Tanks	1982	230310
F	345m NE	Unspecified Tank	1982	222896
F	351m NE	Unspecified Tank	1932	244594
F	351m NE	Tanks	1982 - 1996	247681
F	367m NE	Tanks	1982 - 1996	239594
F	374m NE	Tanks	1996	230280
F	377m NE	Tanks	1918 - 1932	238160



ID	Location	Land use	Dates present	Group ID
F	402m NE	Unspecified Tank	1907	222892

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	13
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
1	20m NW	Electricity Substation	1982 - 1996	145043
2	123m NE	Electricity Substation	1982 - 1996	139263
E	176m N	Electricity Substation	1996	139072
E	178m N	Electricity Substation	1982 - 1990	140817
4	184m S	Electricity Substation	1995	128882
K	298m SE	Electricity Substation	1993	133379
K	298m SE	Electricity Substation	1990	146224
K	299m SE	Electricity Substation	1993	139143
F	350m NE	Electricity Substation	1982 - 1996	139874
U	431m E	Electricity Substation	1983 - 1997	137521
U	432m E	Electricity Substation	1990	136532
10	459m N	Electricity Substation	1990 - 1993	135741
P	494m NE	Electricity Substation	1982 - 1996	139523

This data is sourced from Ordnance Survey / Groundsure.



1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

11

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	43m N	Garage	1996	42473
A	46m N	Garage	1982 - 1990	45824
A	46m N	Service Station	1960 - 1961	45217
J	298m E	Service Station	1961	43615
J	347m E	Service Station	1960	42635
J	353m E	Garage	1982	41081
P	419m NE	Garage	1996	45835
R	429m NW	Garage	1993	41929
R	430m NW	Garage	1961	41757
R	431m NW	Garage	1961	42351
R	434m NW	Garage	1960	43210

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

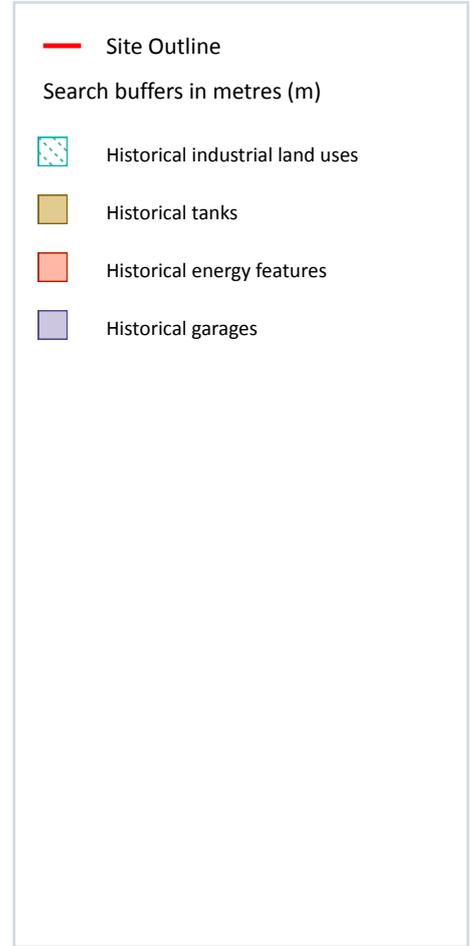
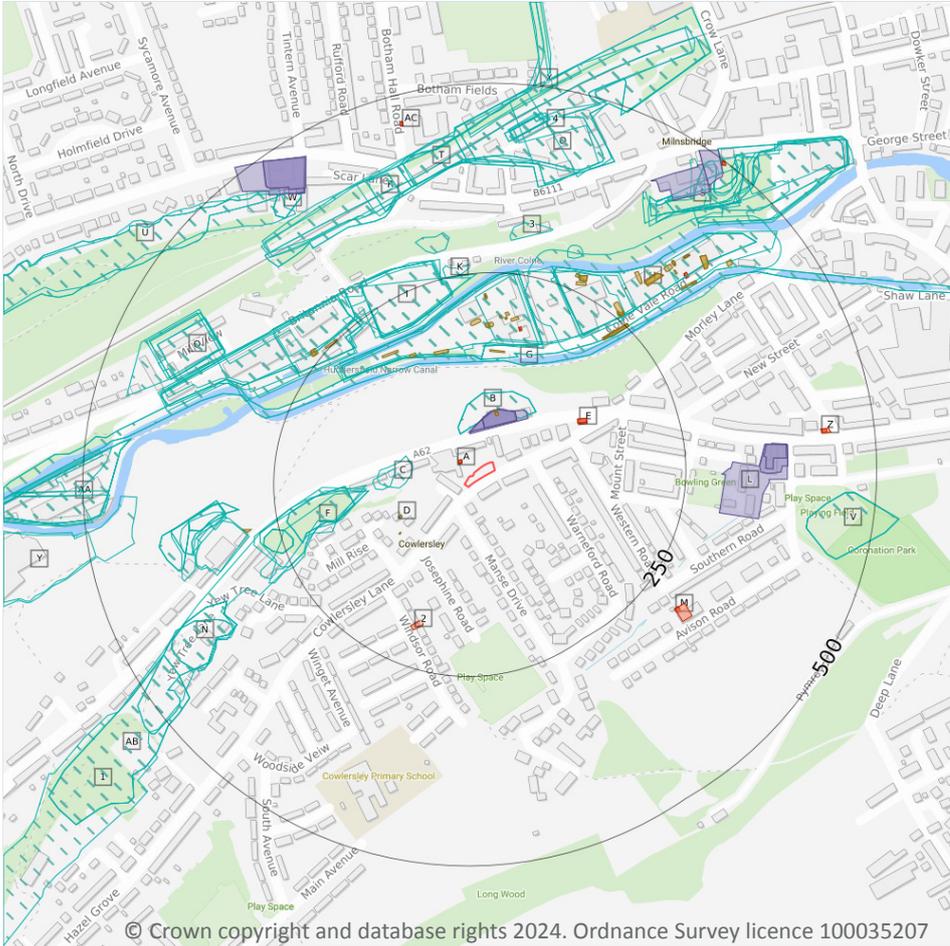
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m

132

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

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

ID	Location	Land Use	Date	Group ID
B	52m NW	Unspecified Heap	1975	1555893
B	52m NW	Unspecified Heap	1985	1555893
B	52m NW	Unspecified Heap	1966	1555893

ID	Location	Land Use	Date	Group ID
C	71m W	Unspecified Quarry	1890	1426579
C	92m W	Unspecified Pit	1905	1451749
F	126m W	Unspecified Quarry	1905	1426578
F	126m W	Unspecified Ground Workings	1948	1506265
F	129m W	Unspecified Ground Workings	1956	1515320
1	129m W	Unspecified Quarries	1930	1492947
G	133m N	Disused Canal	1975	1532635
G	133m N	Disused Canal	1985	1487658
G	136m N	Unspecified Works	1975	1531753
G	136m N	Chemical Works	1956	1534170
G	136m N	Unspecified Works	1966	1531753
G	141m N	Chemical Works	1938	1494974
G	142m N	Chemical Works	1948	1534170
F	147m W	Unspecified Ground Workings	1975	1540941
F	147m W	Unspecified Ground Workings	1985	1540941
F	147m W	Unspecified Ground Workings	1966	1540941
G	154m N	Chemical Works	1905	1544898
G	163m N	Unspecified Works	1985	1531753
H	175m NE	Unspecified Mill	1905	1551279
H	200m NE	Unspecified Mill	1948	1535317
I	204m N	Unspecified Mills	1948	1547620
H	206m NE	Unspecified Works	1975	1544077
H	206m NE	Unspecified Mill	1956	1469107
H	206m NE	Unspecified Works	1966	1544077
H	206m NE	Unspecified Mill	1938	1535317
I	207m NW	Unspecified Mill	1975	1465396
I	207m NW	Unspecified Mills	1956	1490892
I	207m NW	Unspecified Mill	1966	1465396



ID	Location	Land Use	Date	Group ID
I	209m NW	Unspecified Mills	1938	1507252
J	209m NW	Unspecified Commercial/Industrial	1905	1410449
I	211m NW	Unspecified Mills	1890	1553002
J	220m NW	Unspecified Mill	1985	1516809
J	222m NW	Unspecified Mills	1948	1459338
J	226m NW	Unspecified Mills	1938	1555234
J	227m NW	Unspecified Mill	1975	1511024
J	227m NW	Unspecified Mills	1956	1555957
J	227m NW	Unspecified Mill	1966	1511024
F	236m W	Unspecified Heap	1975	1528915
F	236m W	Unspecified Heap	1985	1528915
F	236m W	Unspecified Heap	1966	1528915
K	248m N	Unspecified Ground Workings	1948	1412109
J	254m NW	Unspecified Mill	1890	1488336
J	258m NW	Unspecified Mills	1948	1459338
K	285m N	Unspecified Heap	1985	1415060
H	288m N	Unspecified Pit	1948	1451750
F	290m W	Unspecified Works	1975	1531021
F	291m W	Unspecified Works	1985	1531021
3	294m N	Unspecified Pit	1890	1451748
F	298m W	Refuse Heap	1975	1461411
F	298m W	Refuse Heap	1985	1461411
F	298m W	Refuse Heap	1966	1461411
F	314m W	Refuse Heap	1930	1528950
F	314m W	Refuse Heap	1930	1528950
F	315m W	Refuse Heap	1948	1531573
F	317m W	Refuse Heap	1956	1516151
H	335m NE	Unspecified Works	1985	1478961



ID	Location	Land Use	Date	Group ID
N	347m SW	Unspecified Quarry	1975	1502062
N	347m SW	Unspecified Quarry	1956	1502062
N	347m SW	Unspecified Quarry	1985	1502062
N	347m SW	Unspecified Quarry	1966	1502062
O	352m N	Railway Sidings	1948	1459483
O	352m N	Railway Sidings	1905	1490881
O	356m N	Railway Sidings	1890	1490881
P	357m SW	Unspecified Quarry	1948	1481502
P	357m SW	Unspecified Old Quarries	1905	1422092
Q	357m NW	Unspecified Mill	1975	1475760
R	358m N	Cuttings	1948	1551316
R	358m N	Cuttings	1905	1543600
O	362m N	Railway Sidings	1938	1470453
O	362m N	Cuttings	1938	1540567
F	364m W	Unspecified Heap	1975	1477853
F	364m W	Unspecified Heap	1985	1477853
F	364m W	Unspecified Heap	1966	1477853
Q	364m NW	Unspecified Mills	1890	1474213
Q	365m NW	Unspecified Mills	1956	1552096
Q	365m NW	Unspecified Commercial/Industrial	1966	1410446
O	367m NW	Railway Sidings	1956	1524153
Q	368m NW	Unspecified Mills	1905	1487657
S	373m NE	Refuse Heap	1905	1436533
S	373m NE	Unspecified Ground Workings	1948	1535284
4	373m N	Railway Sidings	1966	1513864
T	378m N	Cuttings	1948	1537128
T	378m N	Cuttings	1905	1500214
T	379m N	Cuttings	1956	1537128



ID	Location	Land Use	Date	Group ID
O	379m N	Cuttings	1890	1500214
S	382m NE	Unspecified Mill	1975	1534782
S	382m NE	Unspecified Mills	1966	1495300
S	385m NE	Unspecified Ground Workings	1938	1512291
S	385m NE	Unspecified Ground Workings	1938	1512291
S	407m NE	Unspecified Ground Workings	1975	1534432
S	407m NE	Unspecified Ground Workings	1985	1534432
S	407m NE	Unspecified Ground Workings	1966	1534432
S	410m NE	Unspecified Mills	1948	1482660
U	413m NW	Unspecified Quarry	1890	1486722
S	414m NE	Unspecified Mills	1956	1549867
V	415m E	Unspecified Ground Workings	1975	1476216
V	415m E	Unspecified Ground Workings	1985	1476216
V	415m E	Unspecified Ground Workings	1966	1476216
S	415m NE	Unspecified Mills	1938	1481557
W	417m NW	Unspecified Pit	1975	1495133
W	417m NW	Unspecified Pit	1985	1495133
W	417m NW	Unspecified Pit	1966	1495133
O	424m N	Goods Shed	1948	1530031
O	424m N	Goods Shed	1905	1516779
O	425m N	Goods Shed	1966	1498776
O	427m N	Railway Building	1890	1428981
O	428m N	Goods Shed	1956	1499752
O	429m N	Goods Shed	1938	1494571
X	429m N	Railway Sidings	1948	1499311
Y	430m W	Unspecified Mill	1948	1538350
X	434m N	Railway Sidings	1905	1549680
S	440m NE	Unspecified Mills	1890	1525708



ID	Location	Land Use	Date	Group ID
AA	442m W	Unspecified Mills	1975	1481048
AA	442m W	Unspecified Mill	1956	1500062
AA	442m W	Unspecified Mills	1985	1481048
AA	442m W	Unspecified Mill	1966	1500062
U	445m NW	Unspecified Quarry	1948	1547139
U	445m NW	Unspecified Quarry	1905	1520458
S	451m NE	Unspecified Ground Workings	1956	1535284
AB	451m SW	Unspecified Ground Workings	1975	1511495
AB	451m SW	Unspecified Ground Workings	1985	1511495
AB	451m SW	Unspecified Ground Workings	1966	1511495
S	463m NE	Unspecified Mills	1905	1498809
AA	465m W	Unspecified Mill	1948	1512926
AA	465m W	Unspecified Mill	1905	1494657
AA	467m W	Unspecified Mill	1930	1458480
AA	475m W	Unspecified Mill	1890	1545163
AA	489m W	Unspecified Mills	1905	1461117
Y	492m W	Unspecified Mills	1930	1506642

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

52

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

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

ID	Location	Land Use	Date	Group ID
B	61m N	Unspecified Tank	1960	222873
B	66m N	Unspecified Tank	1961	222874
D	92m SW	Unspecified Tank	1913	222876



ID	Location	Land Use	Date	Group ID
D	105m SW	Unspecified Tank	1892	222869
G	145m N	Tanks	1907	230316
G	156m N	Tanks	1907	230315
G	170m NW	Unspecified Tank	1918	222875
G	178m N	Unspecified Tank	1907	245684
G	179m N	Unspecified Tank	1893	245684
G	182m N	Tanks	1893	230312
G	187m NW	Tanks	1932	230314
G	187m N	Unspecified Tank	1918	222893
G	189m N	Unspecified Tank	1982	244200
G	189m N	Unspecified Tank	1990	244200
G	190m N	Unspecified Tank	1932	222897
G	194m N	Unspecified Tank	1996	222894
G	215m N	Unspecified Tank	1996	248836
H	217m NE	Tanks	1893	239428
H	218m NE	Tanks	1907	239428
H	218m NE	Tanks	1932	239428
G	218m N	Unspecified Tank	1982	244074
G	218m N	Unspecified Tank	1990	244074
J	248m NW	Tanks	1932	230313
H	254m NE	Tanks	1996	233677
H	254m NE	Tanks	1990	233677
H	256m NE	Tanks	1982	236701
J	256m NW	Tanks	1893	248830
J	257m NW	Tanks	1918	248830
H	258m NE	Filter Tanks	1932	233301
H	265m NE	Filter Tanks	1907	241208
H	266m NE	Filter Tanks	1918	241208



ID	Location	Land Use	Date	Group ID
H	268m NE	Filter Tanks	1932	233299
F	286m W	Unspecified Tank	1961	222861
H	287m NE	Unspecified Tank	1932	222895
J	302m W	Unspecified Tank	1893	222860
H	304m NE	Tanks	1918	230311
H	308m NE	Tanks	1990	234591
H	309m NE	Tanks	1996	234591
H	337m NE	Unspecified Tank	1907	244271
H	339m NE	Tanks	1982	230310
H	345m NE	Unspecified Tank	1982	222896
H	351m NE	Unspecified Tank	1932	244594
H	351m NE	Tanks	1996	247681
H	352m NE	Tanks	1982	247681
H	352m NE	Tanks	1990	247681
H	367m NE	Tanks	1996	239594
H	368m NE	Tanks	1982	239594
H	368m NE	Tanks	1990	239594
H	374m NE	Tanks	1996	230280
H	377m NE	Tanks	1918	238160
H	377m NE	Tanks	1932	238160
H	402m NE	Unspecified Tank	1907	222892

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

25

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

Features are displayed on the Past land use - un-grouped map on [page 24 >](#)



ID	Location	Land Use	Date	Group ID
A	20m NW	Electricity Substation	1996	145043
A	21m NW	Electricity Substation	1982	145043
A	21m NW	Electricity Substation	1990	145043
E	123m NE	Electricity Substation	1996	139263
E	123m NE	Electricity Substation	1982	139263
E	123m NE	Electricity Substation	1990	139263
G	176m N	Electricity Substation	1996	139072
G	178m N	Electricity Substation	1982	140817
G	178m N	Electricity Substation	1990	140817
2	184m S	Electricity Substation	1995	128882
M	298m SE	Electricity Substation	1993	133379
M	298m SE	Electricity Substation	1990	146224
M	299m SE	Electricity Substation	1993	139143
H	350m NE	Electricity Substation	1996	139874
H	352m NE	Electricity Substation	1982	139874
H	352m NE	Electricity Substation	1990	139874
Z	431m E	Electricity Substation	1983	137521
Z	431m E	Electricity Substation	1997	137521
Z	431m E	Electricity Substation	1993	137521
Z	432m E	Electricity Substation	1990	136532
AC	459m N	Electricity Substation	1993	135741
AC	459m N	Electricity Substation	1990	135741
S	494m NE	Electricity Substation	1982	139523
S	494m NE	Electricity Substation	1990	139523
S	494m NE	Electricity Substation	1996	139523

This data is sourced from Ordnance Survey / Groundsure.



2.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

14

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

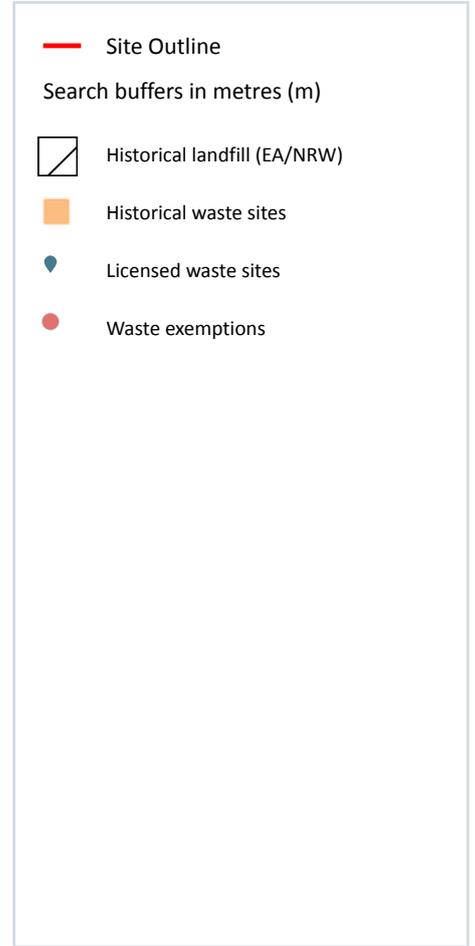
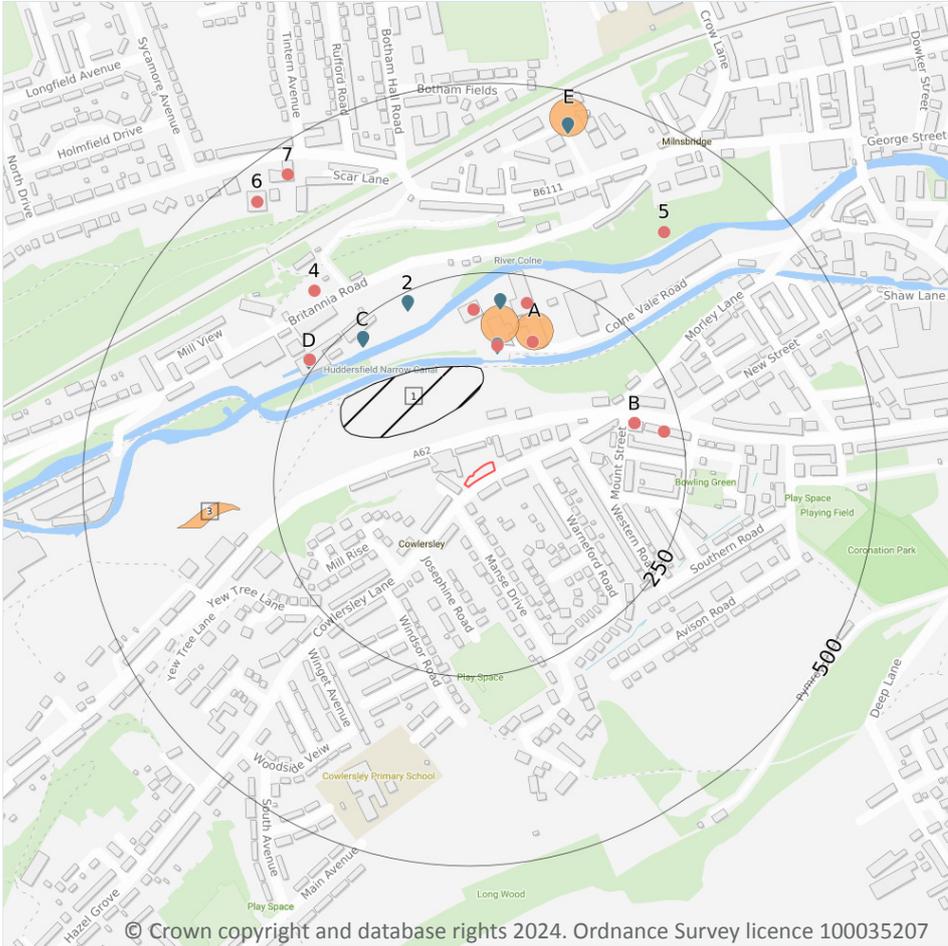
Features are displayed on the Past land use - un-grouped map on [page 24 >](#)

ID	Location	Land Use	Date	Group ID
B	43m N	Garage	1996	42473
B	46m N	Garage	1982	45824
B	46m N	Garage	1990	45824
B	46m N	Service Station	1961	45217
B	46m N	Service Station	1960	45217
L	298m E	Service Station	1961	43615
L	347m E	Service Station	1960	42635
L	353m E	Garage	1982	41081
S	419m NE	Garage	1996	45835
W	429m NW	Garage	1993	41929
W	430m NW	Garage	1961	41757
W	431m NW	Garage	1961	42351
W	434m NW	Garage	1960	43210
S	461m NE	Garage	1996	45835

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on [page 34 >](#)

ID	Location	Details		
1	82m NW	Site Address: Land west of Lock 12 and to the south of Huddersfield Narrow Canal, West Of Lock 12, Huddersfield Licence Holder Address: Directorate of Technical Services, Civic Centre, Huddersfield	Waste Licence: Yes Site Reference: 4700/0722 Waste Type: Inert, Industrial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 03/11/1989 Licence Surrender: 28/04/1994	Operator: - Licence Holder: Kirklees Metropolitan Borough Council First Recorded 30/11/1989 Last Recorded: 30/04/1993

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

3.5 Historical waste sites

Records within 500m

4

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

Features are displayed on the Waste and landfill map on [page 34 >](#)

ID	Location	Address	Further Details	Date
A	156m N	Site Address: Unit 2, Colne Vale Road, Colne Vale Business Park, HUDDERSFIELD, West Yorkshire, HD3 4NY	Type of Site: Waste Transfer Station (Conversion) - Planning application reference: 2004/62/95031/W0 Description: Scheme comprises change of use of industrial unit to waste transfer station An application (ref: 2004/62/95031/W0) for Detailed Planning permission was submitted to Kirklees B.C. on 16th March 2004. Data source: Historic Planning Application Data Type: Point	
A	157m N	Site Address: Colne Vale Business Park, 2, Colne Vale Road, HUDDERSFIELD, West Yorkshire, HD3 4NY	Type of Site: Waste Transfer Station (Conversion) - Planning application reference: 2007/62/91974/W0 Description: Scheme comprises change of use of industrial unit to waste transfer station. An application (ref: 2007/62/91974/W0) for detailed planning permission was granted by Kirklees B.C. Contract details remain to be finalised. Detailed plans approved. Data source: Historic Planning Application Data Type: Point	
3	296m W	Site Address: N/A	Type of Site: Ground Workings and Refuse Heap Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1975
E	440m N	Site Address: Rail Sidings, Scar Lane, Milnsbridge, HUDDERSFIELD, West Yorkshire, HD3 4	Type of Site: Industrial/Waste Transfer Planning application reference: 94/62/90078/W5 Description: New industrial unit. New stone dressing facility. Waste transfer facility 10 garages for private let, 35-40 car parking spaces new access. Construction - pvc coated Cape steel cladding, Artstone, rendered pebble/dash walls; pitched, pvc coated Capeel cladding roof; three roller shutter industrial doors; steel frame, portal frame frame. An application (ref: 94/62/90078/W5) for Detailed Planning permission was submitted to Kirklees B.C. on 11th January 1994. Data source: Historic Planning Application Data Type: Point	

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



3.6 Licensed waste sites

Records within 500m

13

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

Features are displayed on the Waste and landfill map on [page 34 >](#)

ID	Location	Details		
A	153m N	Site Name: J S Bamforth & Co Ltd Site Address: Top Vale Works, Colne Vale Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4NW Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JSB001 EPR reference: EA/EPR/GP3095ZG/V002 Operator: J S Bamforth & Co Ltd Waste Management licence No: 61008 Annual Tonnage: 100000	Issue Date: 06/03/1991 Effective Date: - Modified: 11/12/2006 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
A	153m N	Site Name: J S Bamforth & Co Ltd Site Address: Top Vale Works, Colne Vale Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4NW Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 642275 EPR reference: EA/EPR/EB3309HC Operator: J S Bamforth Recycling Limited Waste Management licence No: 61008 Annual Tonnage: 100000	Issue Date: 06/03/1991 Effective Date: 06/03/1991 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	153m N	Site Name: Milnsbridge Metals Ltd T/A Melarose Metals Site Address: Top Vale Works, Colne Vale Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4NW Correspondence Address: -	Type of Site: Metal Recycling Site (mixed MRS's) Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: 642878 EPR reference: EA/EPR/LB3707TF Operator: Milnsbridge Metals Limited Waste Management licence No: 61008 Annual Tonnage: 0	Issue Date: 06/03/1991 Effective Date: 28/02/2023 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
A	211m N	Site Name: Motorworks Site Address: Unit 1, Colne Vale Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4NY Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 649673 EPR reference: EA/EPR/EP3492ZG Operator: Mr Crispin James Waste Management licence No: 65410 Annual Tonnage: 2499	Issue Date: 09/02/2005 Effective Date: 09/02/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
C	228m NW	Site Name: Britannia Motor Spares Site Address: Bottom Yard, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BRI215 EPR reference: EA/EPR/EP3994VW/A001 Operator: Mr Shahid Ijaz & Mr Tariq Mahmood Waste Management licence No: 101224 Annual Tonnage: 74999	Issue Date: 05/03/2010 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
C	228m NW	Site Name: Britannia Motor Spares Site Address: Bottom Yard, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HUS022 EPR reference: EA/EPR/EP3994VW/A001 Operator: Mr Atif Hussain & Mr Saakib Rauf Waste Management licence No: 101224 Annual Tonnage: 74999	Issue Date: 05/03/2010 Effective Date: 02/03/2012 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
C	228m NW	Site Name: Britannia Motor Spares Site Address: Bottom Yard, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: HUS022 EPR reference: EA/EPR/EP3994VW/A001 Operator: Mr Atif Hussain & Mr Saakib Rauf Waste Management licence No: 101224 Annual Tonnage: 74999	Issue Date: 05/03/2010 Effective Date: 02/03/2012 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
C	228m NW	Site Name: Britannia Motor Spares Site Address: Bottom Yard, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CRB002 EPR reference: EA/EPR/JB3607FW/T001 Operator: Christian Borg Waste Management licence No: 101224 Annual Tonnage: 74999	Issue Date: 05/03/2010 Effective Date: 11/01/2021 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
C	228m NW	Site Name: Home Cars Ltd Site Address: Bottom Yard, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG Correspondence Address: -	Type of Site: 75kte Vehicle Depollution Facility Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 642382 EPR reference: EA/EPR/LB3203UA Operator: Home Cars Limited Waste Management licence No: 101224 Annual Tonnage: 74999	Issue Date: 05/03/2010 Effective Date: 05/03/2010 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
2	235m NW	Site Name: Britannia Road Site Site Address: 65, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 641685 EPR reference: EA/EPR/JP3592ZN Operator: Mallinson Recycling Limited Waste Management licence No: 65491 Annual Tonnage: 24999	Issue Date: 07/09/2006 Effective Date: 07/09/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
D	259m NW	Site Name: Britannia Road Site Site Address: 65, Britannia Road, Milnsbridge, Huddersfield, W Yorkshire, HD3 4QG Correspondence Address: Bowling Iron Works, Bowling Back Lane, Bradford, W Yorkshire, BD4 8SS	Type of Site: - Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MAL003 EPR reference: - Operator: Mallinson Recycling Ltd Waste Management licence No: 65491 Annual Tonnage: 24999	Issue Date: 07/09/2006 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	455m N	Site Name: I M Contractors Ltd Site Address: The Old Railway Sidings, Scar Lane, Milnesbridge, West Yorkshire Correspondence Address: The Barn, 27, Brook Lane, Golcar, Huddersfield, HD7 4JA	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: IMC001 EPR reference: - Operator: I M (contractors) Limited Waste Management licence No: 61054 Annual Tonnage: 0	Issue Date: 19/12/1996 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
E	455m N	Site Name: I M Contractors Ltd Site Address: The Old Railway Sidings, Scar Lane, Milnesbridge, West Yorkshire, WF9 3AP Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 652040 EPR reference: EA/EPR/FP3595ZV Operator: I M (Contractors) Limited Waste Management licence No: 61054 Annual Tonnage: 8520	Issue Date: 19/12/1996 Effective Date: 19/12/1996 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered

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



3.7 Waste exemptions

Records within 500m	21
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Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on [page 34 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	154m N	-	WEX318375	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	167m N	-	WEX358531	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	167m N	-	WEX295034	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	192m E	903, Manchester Road, Huddersfield, Hd4 5sx	WEX271186	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	192m E	903, Manchester Road, Huddersfield, Hd4 5sx	WEX399350	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	192m E	903, Manchester Road, Huddersfield, Hd4 5sx	WEX131428	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	192m E	6, Knowle Green, Sheffield, S17 3ap	WEX100256	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
A	202m N	Top Vale Works, Colne Vale Road, Huddersfield, Hd3 4ny	WEX157672	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	202m N	Top Vale Works, Colne Vale Road, Huddersfield, Hd3 4ny	WEX157672	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	214m N	Malarose Metals, Colne Vale Road, Huddersfield, Hd3 4ny	WEX351216	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	227m E	903 Manchester Road Huddersfield Hd4 5sx	EPR/FF0832YH /A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal
B	227m E	903 Manchester Road Huddersfield Hd4 5sx	EPR/DF0403TA /A001	Treating waste exemption	Non-agricultural waste only	Sorting and de-naturing of controlled drugs for disposal

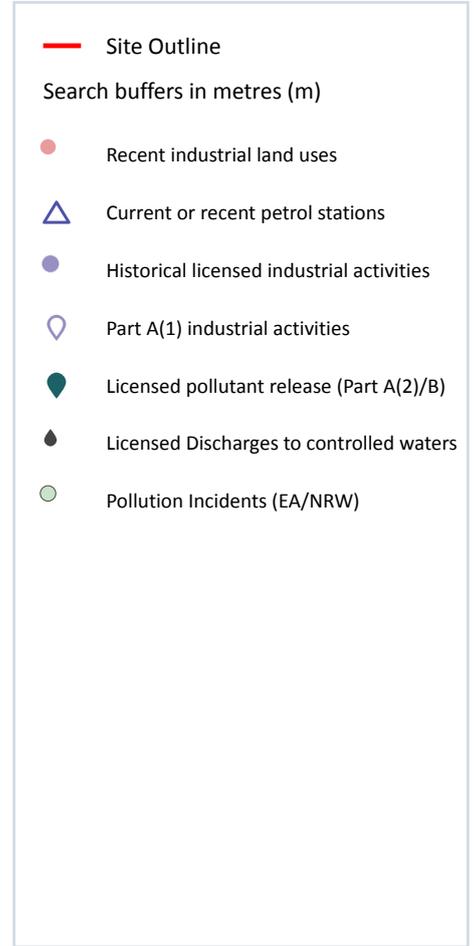
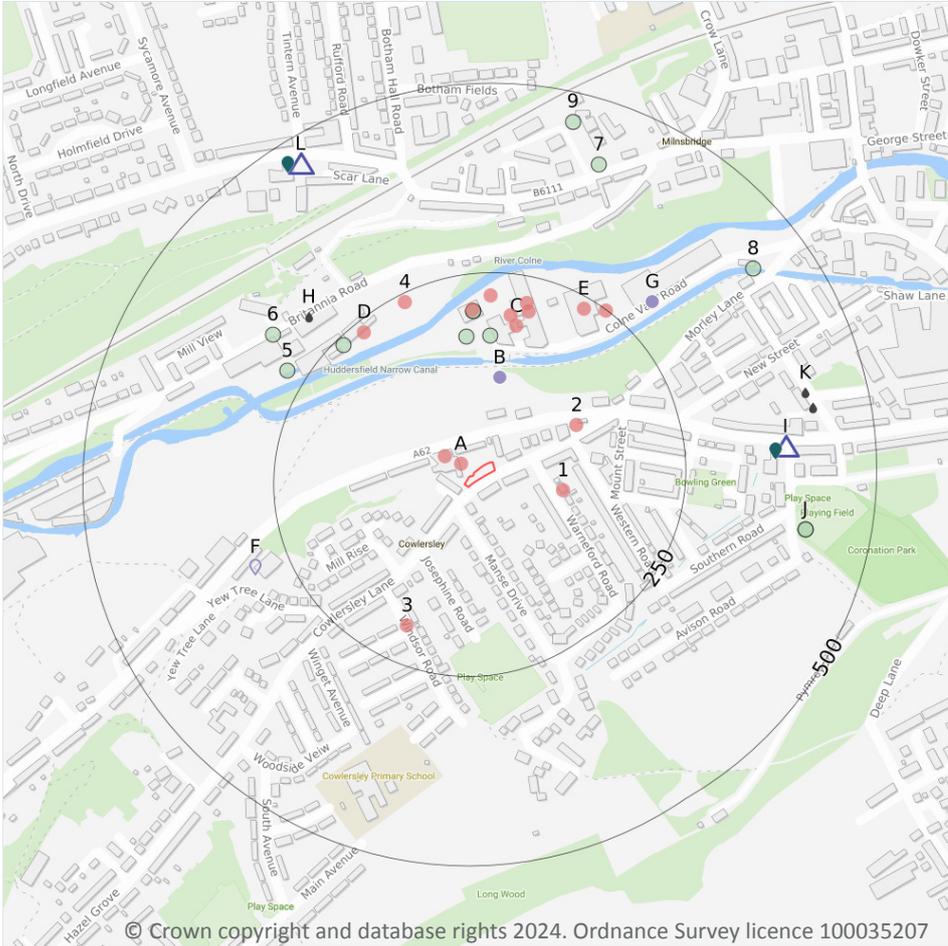


ID	Location	Site	Reference	Category	Sub-Category	Description
D	260m NW	-	WEX367207	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
D	260m NW	-	WEX367207	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	260m NW	-	WEX367207	Treating waste exemption	Not on a farm	Sorting mixed waste
D	260m NW	-	WEX367207	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	260m NW	-	WEX367207	Storing waste exemption	Not on a farm	Storage of waste in a secure place
4	318m NW	-	WEX257009	Disposing of waste exemption	Not on a farm	Burning waste in the open
5	377m NE	Top Vale Works Colne Vale Road Huddersfield Hd3 4ny	EPR/XE5542ZL /A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
6	457m NW	Scar Lane, Huddersfield, Hd3 4qa	WEX112748	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
7	461m NW	Colne Valley Garden Centre Scar Lane Huddersfield West Yorkshire Hd3 4qa	EPR/XF0505LC /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Aerobic composting and associated prior treatment

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



4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m

15

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 43](#) >

ID	Location	Company	Address	Activity	Category
A	20m NW	Electricity Sub Station	West Yorkshire, HD4	Electrical Features	Infrastructure and Facilities
A	42m NW	Works	West Yorkshire, HD4	Unspecified Works Or Factories	Industrial Features
1	93m E	True Temptations	1c, Warneford Road, Cowlersley, Huddersfield, West Yorkshire, HD4 5TW	Baking and Confectionery	Foodstuffs



ID	Location	Company	Address	Activity	Category
2	120m NE	Electricity Sub Station	West Yorkshire, HD4	Electrical Features	Infrastructure and Facilities
C	182m N	Electricity Sub Station	West Yorkshire, HD3	Electrical Features	Infrastructure and Facilities
C	195m N	Tank	West Yorkshire, HD3	Tanks (Generic)	Industrial Features
3	200m SW	Electricity Sub Station	West Yorkshire, HD4	Electrical Features	Infrastructure and Facilities
C	203m N	J S Bamforth & Co Ltd	J S Bamforth and Co Ltd Top Vale Works 14, Colne Vale Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4NY	Scrap Metal Merchants	Recycling Services
C	204m N	Business Park	West Yorkshire, HD3	Business Parks and Industrial Estates	Industrial Features
C	214m N	E T P Chemicals Ltd	Unit 3 and 4 Colne Vale Business Park, Colne Vale Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4NY	Colours, Chemicals and Water Softeners and Supplies	Industrial Products
C	220m N	Tank	West Yorkshire, HD3	Tanks (Generic)	Industrial Features
D	235m NW	Home Cars Ltd	Unit 20 Britannia Mills Trading Estate, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG	Scrap Metal Merchants	Recycling Services
E	235m NE	Works	West Yorkshire, HD3	Unspecified Works Or Factories	Industrial Features
4	239m NW	P G Stone Yorkshire	65, Britannia Road, Milnsbridge, Huddersfield, West Yorkshire, HD3 4QG	Stone Quarrying and Preparation	Extractive Industries
E	249m NE	Electricity Sub Station	West Yorkshire, HD3	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 43 >](#)



ID	Location	Company	Address	LPG	Status
I	382m E	ASDA EXPRESS	819, Manchester Road, Pymroyd Lane, Milsnbridge, Huddersfield, West Yorkshire, HD4 5SX	No	Open
L	465m NW	JET	Scar Lane, Milsnbridge, Huddersfield, West Yorkshire, HD3 4QA	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m

0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.



4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

7

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

Features are displayed on the Current industrial land use map on [page 43 >](#)

ID	Location	Details	
B	111m N	Operator: Croda Colours Ltd (dissolved) Address: Colne Vale Works, Colne Vale Road, Huddersfield, West Yorkshire, HD3 4NX Process: Manufacture And Use Of Organic Chemicals Permit Number: AK6900	Original Permit Number: IPCAPP Date Approved: 31-1-1994 Effective Date: 14-2-1994 Status: Superseded By Variation
B	111m N	Operator: Croda Colours Ltd (dissolved) Address: Colne Vale Works, Colne Vale Road, Huddersfield, West Yorkshire, HD3 4NX Process: Manufacture And Use Of Organic Chemicals Permit Number: AO7061	Original Permit Number: IPCMINVAR Date Approved: 10-10-1994 Effective Date: 31-10-1994 Status: Superseded By Variation
B	111m N	Operator: Croda Colours Ltd (dissolved) Address: Colne Vale Works, Colne Vale Road, Huddersfield, West Yorkshire, HD3 4NX Process: Manufacture And Use Of Organic Chemicals Permit Number: AY4292	Original Permit Number: IPCMINVAR Date Approved: 27-5-1997 Effective Date: 1-6-1997 Status: Superseded By Variation

ID	Location	Details	
B	111m N	Operator: Croda Colours Ltd (dissolved) Address: Colne Vale Works, Colne Vale Road, Huddersfield, West Yorkshire, HD3 4NX Process: Manufacture And Use Of Organic Chemicals Permit Number: BD9246	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
B	111m N	Operator: Croda Colours Ltd (dissolved) Address: Colne Vale Works, Colne Vale Road, Huddersfield, West Yorkshire, HD3 4NX Process: Manufacture And Use Of Organic Chemicals Permit Number: BG9161	Original Permit Number: IPCMINVAR Date Approved: 15-9-1999 Effective Date: 17-9-1999 Status: Surrendered
G	297m NE	Operator: Croda International Plc Address: Croda Colours Ltd, Colne Vale Road, Milnsbridge, Huddersfield, DN14 9AA Process: Inorganic Chemical Processes Permit Number: AO0776	Original Permit Number: IPCAIRAPP Date Approved: 4-11-1994 Effective Date: 14-11-1994 Status: Superseded By Variation
G	297m NE	Operator: Croda International Plc Address: Croda Colours Ltd, Colne Vale Road, Milnsbridge, Huddersfield, DN14 9AA Process: Inorganic Chemical Processes Permit Number: BC9526	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Surrendered

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

2

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

Features are displayed on the Current industrial land use map on [page 43 >](#)

ID	Location	Details	
F	295m SW	Operator: NOFOSS FUELS LIMITED Installation Name: Biodiesel Plant, Linthwaite Process: ASSOCIATED PROCESS Permit Number: GP3831LR Original Permit Number: GP3831LR	EPR Reference: EPR/GP3831LR Issue Date: 23/04/2007 Effective Date: 23/04/2007 Last date noted as effective: 23/11/2023 Status: Revoked
F	295m SW	Operator: NOFOSS FUELS LIMITED Installation Name: Biodiesel Plant, Linthwaite Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: GP3831LR Original Permit Number: GP3831LR	EPR Reference: EPR/GP3831LR Issue Date: 23/04/2007 Effective Date: 23/04/2007 Last date noted as effective: 23/11/2023 Status: Revoked

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



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

Records within 500m

2

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

Features are displayed on the Current industrial land use map on [page 43](#) >

ID	Location	Address	Details	
I	367m E	Co-operative Group, Colne Valley Filling Station, 819 Manchester Road, Milnsbridge, Huddersfield, HD4 5SX	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
L	473m NW	Scar Lane Motors Filling Station, Scar Lane, Milnsbridge, Huddersfield, HD3 4PS	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

7

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

Features are displayed on the Current industrial land use map on [page 43](#) >



ID	Location	Address	Details	
H	297m NW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993
H	297m NW	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995
K	418m E	PICKFORD STREET CSO, PICKFORD STREET, MILNSBRIDGE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8768 Permit Version: 1 Receiving Water: TRIBUTARY OF THE RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 11/03/2005 Effective Date: 01/04/2005 Revocation Date: 23/03/2010
K	418m E	PICKFORD STREET CSO, PICKFORD STREET, MILNSBRIDGE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8768 Permit Version: 2 Receiving Water: TRIBUTARY OF THE RIVER COLNE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 24/03/2010 Effective Date: 24/03/2010 Revocation Date: -
K	424m E	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 3 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 25/01/1995 Effective Date: 25/01/1995 Revocation Date: 05/03/1995
K	424m E	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 1 Receiving Water: VARIES WITH OUTLET	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 27/05/1963 Effective Date: 27/05/1963 Revocation Date: 01/07/1993



ID	Location	Address	Details	
K	424m E	YWS UNKNOWN SITES DEFAULT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: S/CB/51 Permit Version: 2 Receiving Water: VARIES WITH OUTLET	Status: REVISED BY NOTICE, AT DIRECTION OF SEC. OF STATE - 37(2) Issue date: 02/07/1993 Effective Date: 02/07/1993 Revocation Date: 24/01/1995

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
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Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

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

4.15 Pollutant release to public sewer

Records within 500m	0
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Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0
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Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

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

4.17 List 2 Dangerous Substances

Records within 500m	0
----------------------------	----------

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

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



4.18 Pollution Incidents (EA/NRW)

Records within 500m

12

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

Features are displayed on the Current industrial land use map on [page 43](#) >

ID	Location	Details	
C	166m N	Incident Date: 12/09/2003 Incident Identification: 189513 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
C	168m N	Incident Date: 10/01/2022 Incident Identification: 2022352 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
C	200m N	Incident Date: 12/05/2009 Incident Identification: 678111 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
C	200m N	Incident Date: 25/06/2009 Incident Identification: 691136 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
D	239m NW	Incident Date: 04/11/2008 Incident Identification: 632789 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
5	276m NW	Incident Date: 03/10/2002 Incident Identification: 112309 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
6	318m NW	Incident Date: 18/09/2001 Incident Identification: 31456 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
J	413m E	Incident Date: 30/09/2005 Incident Identification: 350213 Pollutant: Inert Materials and Wastes Pollutant Description: Soils and Clay	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)



ID	Location	Details	
J	413m E	Incident Date: 07/05/2002 Incident Identification: 76972 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Fumes	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
7	416m N	Incident Date: 17/04/2003 Incident Identification: 152210 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
8	426m NE	Incident Date: 05/03/2003 Incident Identification: 141221 Pollutant: Inert Materials and Wastes Pollutant Description: Mineral Materials and Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	461m N	Incident Date: 02/10/2003 Incident Identification: 193843 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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

4.20 Pollution inventory waste transfers

Records within 500m

0

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

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



4.21 Pollution inventory radioactive waste

Records within 500m

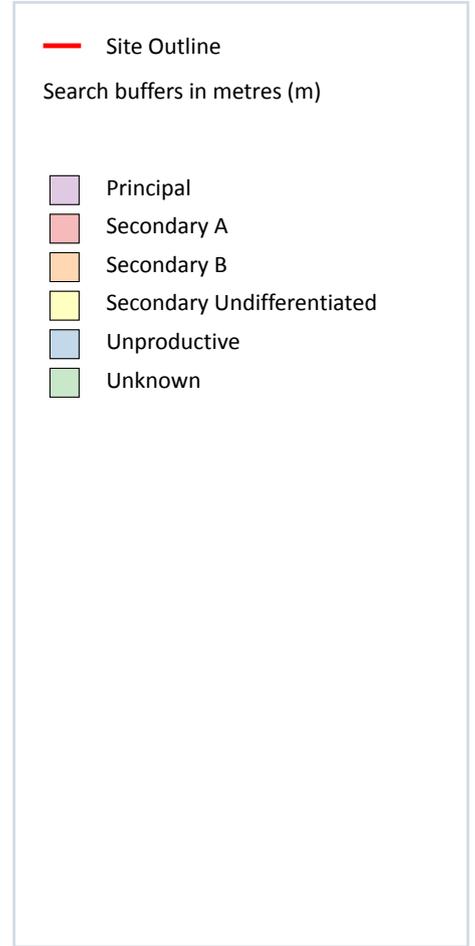
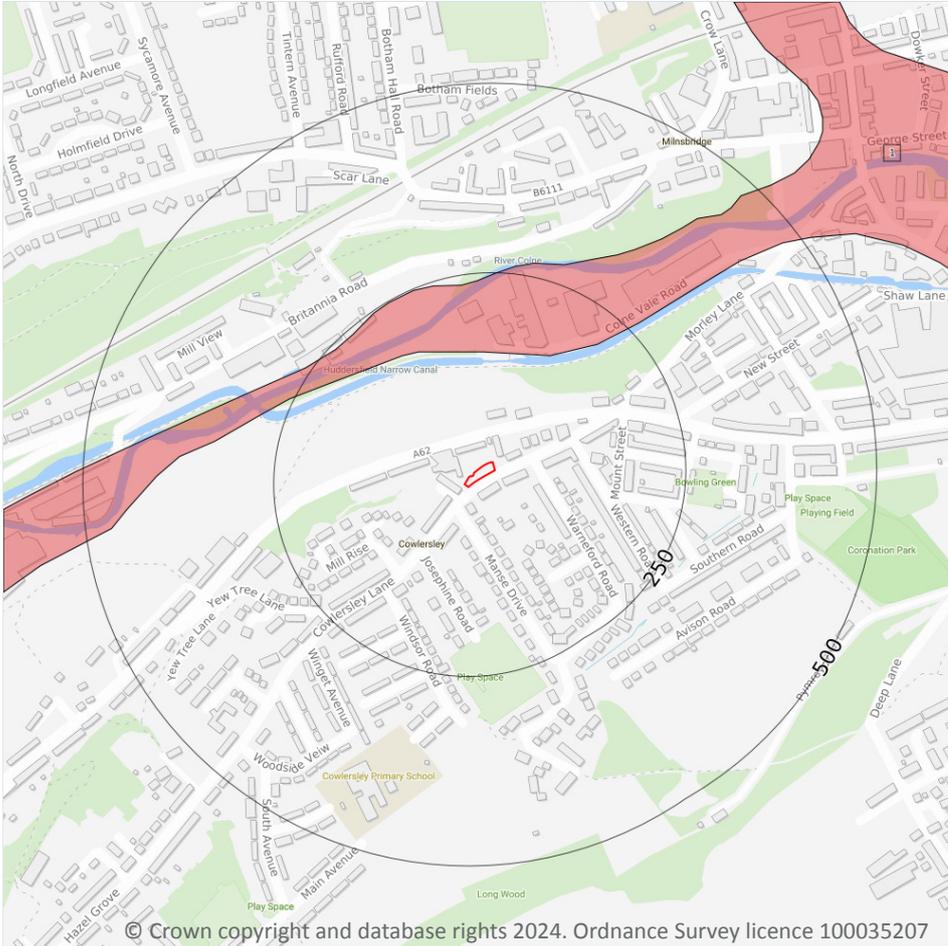
0

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

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



5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m

1

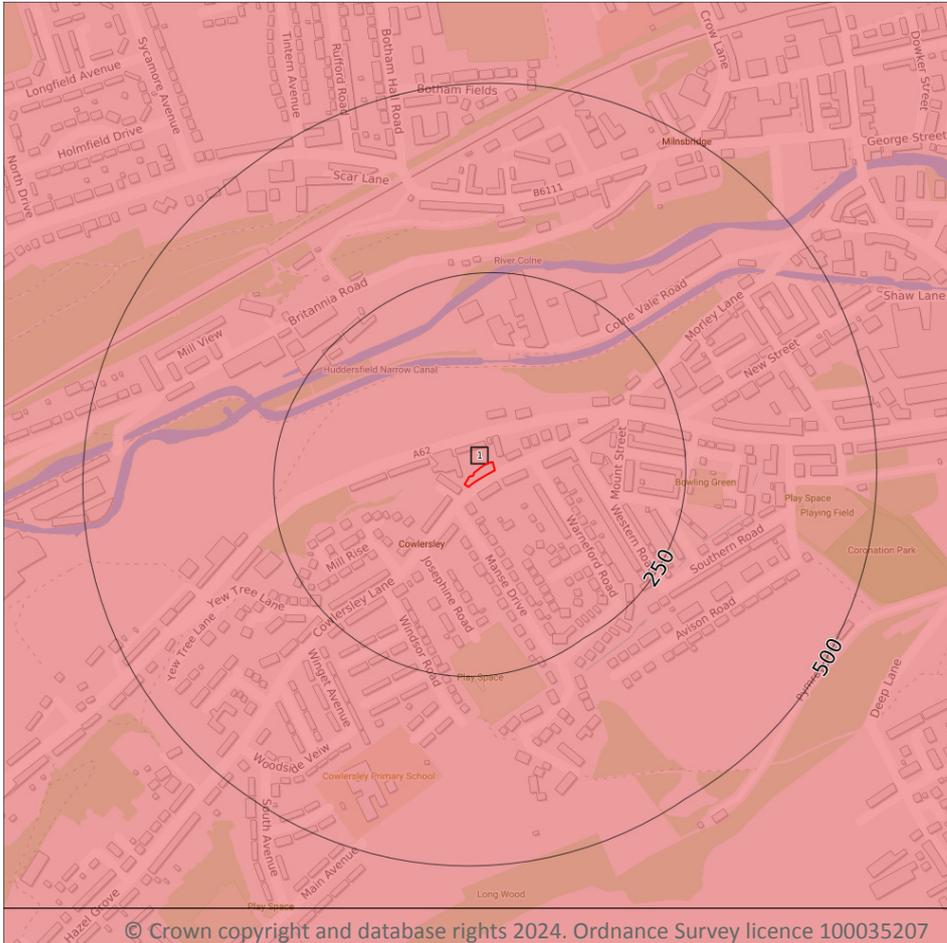
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 54](#) >

ID	Location	Designation	Description
1	145m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

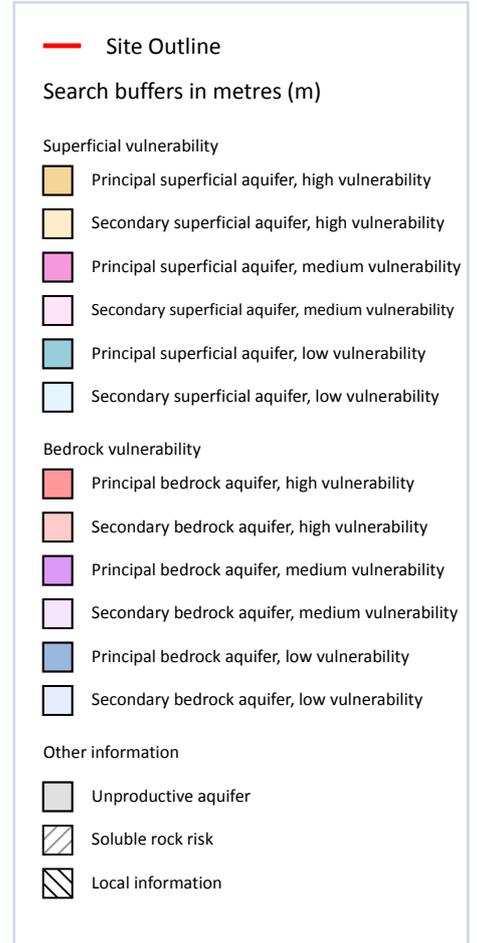
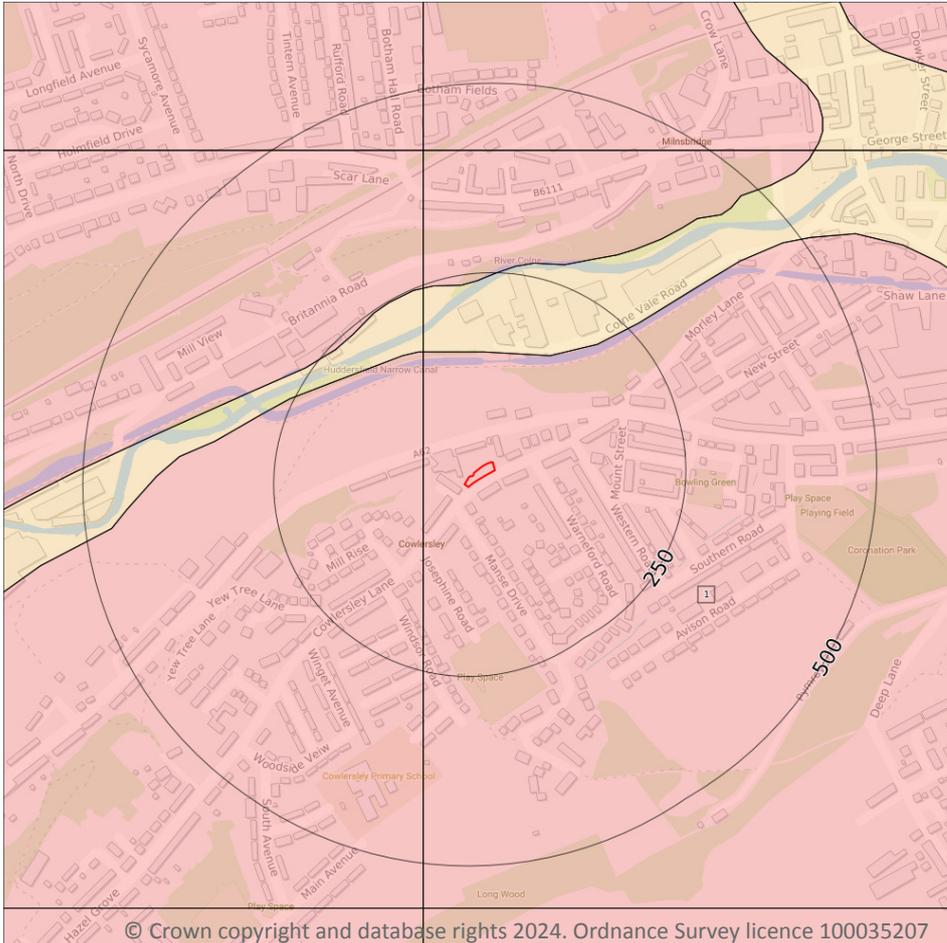
Features are displayed on the Bedrock aquifer map on [page 55 >](#)

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

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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

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

Features are displayed on the Groundwater vulnerability map on [page 56 >](#)

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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

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

Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

19

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 58 >](#)

ID	Location	Details	
-	819m NE	Status: Historical Licence No: 2/27/11/036(G) Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - MILNSBRIDGE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411800 Northing: 416000	Annual Volume (m ³): 4546 Max Daily Volume (m ³): 81.828 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/09/1998 Version End Date: -
-	905m N	Status: Active Licence No: NE/027/0011/018 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - WOODLAND MILL Data Type: Point Name: Wooltex UK Ltd Easting: 411097 Northing: 416494	Annual Volume (m ³): 164250 Max Daily Volume (m ³): 450 Original Application No: NPS/WR/031345 Original Start Date: 24/10/2017 Expiry Date: 31/03/2027 Issue No: 3 Version Start Date: 16/07/2019 Version End Date: -
-	1019m E	Status: Active Licence No: NE/027/0011/017 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - TNAYARD RD - MILNSBRIDGE Data Type: Point Name: MNS Textiles Ltd Easting: 412077 Northing: 415847	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 1000 Original Application No: NPS/WR/015677 Original Start Date: 28/07/2014 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 28/07/2014 Version End Date: -
-	1030m E	Status: Historical Licence No: 2/27/11/037 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: JOHN CROWTHER & SONS (MILNSBRIDGE) LTD Easting: 412100 Northing: 415800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -



ID	Location	Details	
-	1030m E	Status: Historical Licence No: 2/27/11/037 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - MILNSBRIDGE Data Type: Point Name: JOHN GLADSTONE (DYERS & FINISHERS) LTD Easting: 412100 Northing: 415800	Annual Volume (m ³): 454609 Max Daily Volume (m ³): 1296 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 11/10/2002 Version End Date: -
-	1125m SE	Status: Historical Licence No: 2/27/10/124 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE- JOHNSONS WELLFIELD QUARRY- MILLSTONE GRIT Data Type: Point Name: JOHNSONS WELLFIELD QUARRIES LIMITED Easting: 411700 Northing: 414630	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/01/2001 Expiry Date: 31/12/2005 Issue No: 1 Version Start Date: 02/01/2001 Version End Date: -
-	1125m SE	Status: Historical Licence No: 2/27/10/124 Details: Make-Up or Top Up Water Direct Source: GROUNDWATERS Point: BOREHOLE- MILLSTONE GRIT - WELLFIELD QUARRY Data Type: Point Name: JOHNSONS WELLFIELD QUARRIES LTD Easting: 411700 Northing: 414630	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 02/01/2001 Expiry Date: 31/12/2005 Issue No: 1 Version Start Date: 02/01/2001 Version End Date: -
-	1256m S	Status: Active Licence No: NE/027/0011/005 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT- CROSLAND HEATH - HUDDERSFIELD Data Type: Point Name: CROSLAND HEATH GOLF CLUB LTD Easting: 411100 Northing: 414300	Annual Volume (m ³): 4500 Max Daily Volume (m ³): 50 Original Application No: NPS/WR/004165 Original Start Date: 01/11/2010 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/11/2010 Version End Date: -



ID	Location	Details	
-	1256m S	Status: Historical Licence No: 2/27/10/122 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: CROSLAND HEATH GOLF CLUB LTD Easting: 411100 Northing: 414300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/11/1997 Expiry Date: 31/10/2007 Issue No: 101 Version Start Date: 02/01/2001 Version End Date: -
-	1256m S	Status: Historical Licence No: 2/27/10/122 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT- CROSLAND HEATH - HUDDERSFIELD Data Type: Point Name: CROSLAND HEATH GOLF CLUB LTD Easting: 411100 Northing: 414300	Annual Volume (m ³): 6500 Max Daily Volume (m ³): 50 Original Application No: - Original Start Date: 27/11/1997 Expiry Date: 31/10/2010 Issue No: 101 Version Start Date: 02/01/2001 Version End Date: -
-	1284m SW	Status: Historical Licence No: 2/27/11/057 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRINGS Data Type: Point Name: ROBERTS Easting: 410100 Northing: 414700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
-	1377m SW	Status: Historical Licence No: 2/27/11/105 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL Data Type: Point Name: HINCHCLIFFE & HAIGH Easting: 410450 Northing: 414320	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	1377m SW	Status: Historical Licence No: 2/27/11/105 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL - MILLSTONE GRIT - LINTHWAITE Data Type: Point Name: HINCHCLIFFE & HAIGH Easting: 410450 Northing: 414320	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -



ID	Location	Details	
-	1554m SW	Status: Active Licence No: NE/027/0011/007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: PROPERTY RENAISSANCE LTD Easting: 409740 Northing: 414730	Annual Volume (m ³): 43070 Max Daily Volume (m ³): 118 Original Application No: NPS/WR/005539 Original Start Date: 21/02/2011 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 21/02/2011 Version End Date: -
-	1554m SW	Status: Historical Licence No: 2/27/11/191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-TITANIC MILLS-LINTHWAITE Data Type: Point Name: LOWRY HOMES PLC Easting: 409740 Northing: 414730	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/03/2005 Expiry Date: 31/12/2010 Issue No: 1 Version Start Date: 12/03/2005 Version End Date: -
-	1554m SW	Status: Historical Licence No: 2/27/11/191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: LOWRY HOMES PLC Easting: 409740 Northing: 414730	Annual Volume (m ³): 54000 Max Daily Volume (m ³): 150 Original Application No: - Original Start Date: 12/03/2005 Expiry Date: 31/12/2010 Issue No: 2 Version Start Date: 08/02/2008 Version End Date: -
-	1579m SW	Status: Historical Licence No: 2/27/11/045 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - LINTHWAITE Data Type: Point Name: JAMES DYSON LTD Easting: 409800 Northing: 414600	Annual Volume (m ³): 175000 Max Daily Volume (m ³): 650 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 17/01/2002 Version End Date: -



ID	Location	Details	
-	1640m NW	Status: Historical Licence No: 2/27/11/117 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING Data Type: Point Name: SHEARD Easting: 410100 Northing: 416900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	1640m NW	Status: Historical Licence No: 2/27/11/117 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING - LONGWOOD Data Type: Point Name: SHEARD Easting: 410100 Northing: 416900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

28

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 58 >](#)

ID	Location	Details	
1	436m W	Status: Active Licence No: NE/027/0011/021 Details: Supply To A Canal For Throughflow Direct Source: SURFACE WATER Point: BRITANNIA BRIDGE, HOLME MILLS, HUDDERSFIELD Data Type: Point Name: Canal and River Trust Easting: 410621 Northing: 415613	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: NPS/WR/036287 Original Start Date: 26/03/2021 Expiry Date: 31/03/2027 Issue No: 2 Version Start Date: 15/10/2021 Version End Date: -



ID	Location	Details	
-	703m W	Status: Active Licence No: 2/27/11/006 Details: Process Water Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m ³): 30117 Max Daily Volume (m ³): 146.38 Original Application No: 475 Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -
-	703m W	Status: Active Licence No: 2/27/11/006 Details: Boiler Feed Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m ³): 30117 Max Daily Volume (m ³): 146.38 Original Application No: 475 Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -
-	703m W	Status: Historical Licence No: 2/27/11/006 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -
-	703m W	Status: Historical Licence No: 2/27/11/006 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -
-	735m NE	Status: Historical Licence No: 2/27/11/036(S) Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411700 Northing: 416000	Annual Volume (m ³): 68190 Max Daily Volume (m ³): 273.669 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/09/1998 Version End Date: -



ID	Location	Details	
-	735m NE	Status: Historical Licence No: 2/27/11/036(S) Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - MILNSBRIDGE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411700 Northing: 416000	Annual Volume (m ³): 68190 Max Daily Volume (m ³): 273.669 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/09/1998 Version End Date: -
-	737m NE	Status: Historical Licence No: 2/27/11/036 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - MILNSBRIDGE Data Type: Point Name: YORKSHIRE WOOL DYEING CO LTD Easting: 411717 Northing: 415978	Annual Volume (m ³): 68190 Max Daily Volume (m ³): 273.7 Original Application No: - Original Start Date: 25/06/2014 Expiry Date: - Issue No: 2 Version Start Date: 20/08/2014 Version End Date: -
-	775m NE	Status: Historical Licence No: 2/27/11/169 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: TRIBUTARY OF LONGWOOD BROOK Data Type: Point Name: EDDIE & BESSIE E FIRTH & JACQUELINE M & JOHN G WALKER Easting: 411400 Northing: 416300	Annual Volume (m ³): 20000 Max Daily Volume (m ³): 350 Original Application No: - Original Start Date: 26/01/1983 Expiry Date: - Issue No: 100 Version Start Date: 20/04/1990 Version End Date: -
-	969m SW	Status: Active Licence No: 2/27/11/042 Details: Process Water Direct Source: SURFACE WATER Point: RIVER COLNE - LINTHWAITE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410200 Northing: 415100	Annual Volume (m ³): 31822 Max Daily Volume (m ³): 159.11 Original Application No: 3842 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/05/1989 Version End Date: -



ID	Location	Details	
-	969m SW	Status: Historical Licence No: 2/27/11/042 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410200 Northing: 415100	Annual Volume (m ³): 31822 Max Daily Volume (m ³): 159.11 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/05/1989 Version End Date: -
-	969m SW	Status: Historical Licence No: 2/27/11/042 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - LINTHWAITE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410200 Northing: 415100	Annual Volume (m ³): 31822 Max Daily Volume (m ³): 159.11 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/05/1989 Version End Date: -
-	1030m E	Status: Historical Licence No: 2/27/11/038 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CATCHPIT Data Type: Point Name: JOHN CROWTHER & SONS (MILNSBRIDGE) LTD Easting: 412100 Northing: 415800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -
-	1056m E	Status: Historical Licence No: 2/27/11/144 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 412100 Northing: 415900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1980 Version End Date: -



ID	Location	Details	
-	1112m E	Status: Historical Licence No: 2/27/11/038 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CATCHPIT - MILNSBRIDGE Data Type: Point Name: JOHN GLADSTONE (DYERS & FINISHERS) LTD Easting: 412200 Northing: 415700	Annual Volume (m ³): 90922 Max Daily Volume (m ³): 300 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 05/06/2003 Version End Date: -
-	1480m NW	Status: Historical Licence No: 2/27/11/115 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CLAY WOOD BROOK/OAKSCAR RESERVOIR Data Type: Point Name: PARKWOOD MILLS CO LTD Easting: 410400 Northing: 416900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 22/04/2002 Version End Date: -
-	1522m NW	Status: Historical Licence No: 2/27/11/123 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CLAY WOOD BROOK-PARKWOOD ROAD-LONGWOOD Data Type: Point Name: PARKWOOD MILLS CO LTD Easting: 410330 Northing: 416910	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 102 Version Start Date: 30/08/2002 Version End Date: -
-	1624m NW	Status: Historical Licence No: 2/27/11/123 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CLAYWOOD BROOK Data Type: Point Name: PARKWOOD MILLS CO LTD Easting: 410000 Northing: 416800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/05/1966 Version End Date: -



ID	Location	Details	
-	1719m SW	Status: Historical Licence No: 2/27/11/111 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: MICKMAN Easting: 409700 Northing: 414500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1991 Version End Date: -
-	1719m SW	Status: Historical Licence No: 2/27/11/111 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - LINTHWAITE Data Type: Point Name: MICKMAN Easting: 409700 Northing: 414500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/01/1991 Version End Date: -
-	1742m SW	Status: Active Licence No: 2/27/11/013(A) Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE-LINTHWAITE Data Type: Point Name: PROPERTY RENAISSANCE LTD Easting: 409600 Northing: 414600	Annual Volume (m ³): 9092 Max Daily Volume (m ³): 45.45 Original Application No: 1622(A) Original Start Date: 16/07/2002 Expiry Date: - Issue No: 1 Version Start Date: 01/04/2008 Version End Date: -
-	1742m SW	Status: Historical Licence No: 2/27/11/013 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -

ID	Location	Details	
-	1742m SW	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1742m SW	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: RIVER COLNE-LINTHWAITE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1742m SW	Status: Historical Licence No: 2/27/11/013 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE-LINTHWAITE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1757m E	Status: Historical Licence No: 2/27/11/148 Details: General use relating to Secondary Category (Low Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 412800 Northing: 416000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 08/10/1979 Version End Date: -



ID	Location	Details	
-	1842m NW	Status: Historical Licence No: 2/27/11/066 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: LONGWOOD UPPER AND LOWER RESERVOIRS Data Type: Line Name: YORKSHIRE WATER SERVICES LTD Easting: 409700 Northing: 417000	Annual Volume (m ³): 818297 Max Daily Volume (m ³): 2241.91 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
-	1864m SW	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: SPRING-LINTHWAITE-HUDDERSFIELD Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409400 Northing: 414700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 16/07/2002 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

7

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 58 >](#)

ID	Location	Details	
-	1554m SW	Status: Active Licence No: NE/027/0011/007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: PROPERTY RENAISSANCE LTD Easting: 409740 Northing: 414730	Annual Volume (m ³): 43070 Max Daily Volume (m ³): 118 Original Application No: NPS/WR/005539 Original Start Date: 21/02/2011 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 21/02/2011 Version End Date: -



ID	Location	Details	
-	1554m SW	Status: Historical Licence No: 2/27/11/191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-TITANIC MILLS-LINTHWAITE Data Type: Point Name: LOWRY HOMES PLC Easting: 409740 Northing: 414730	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/03/2005 Expiry Date: 31/12/2010 Issue No: 1 Version Start Date: 12/03/2005 Version End Date: -
-	1554m SW	Status: Historical Licence No: 2/27/11/191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: LOWRY HOMES PLC Easting: 409740 Northing: 414730	Annual Volume (m ³): 54000 Max Daily Volume (m ³): 150 Original Application No: - Original Start Date: 12/03/2005 Expiry Date: 31/12/2010 Issue No: 2 Version Start Date: 08/02/2008 Version End Date: -
-	1742m SW	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
-	1742m SW	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: RIVER COLNE-LINTHWAITE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -

ID	Location	Details	
-	1842m NW	Status: Historical Licence No: 2/27/11/066 Details: Potable Water Supply - Direct Direct Source: SURFACE WATER Point: LONGWOOD UPPER AND LOWER RESERVOIRS Data Type: Line Name: YORKSHIRE WATER SERVICES LTD Easting: 409700 Northing: 417000	Annual Volume (m ³): 818297 Max Daily Volume (m ³): 2241.91 Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
-	1864m SW	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: SPRING-LINTHWAITE-HUDDERSFIELD Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409400 Northing: 414700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 16/07/2002 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

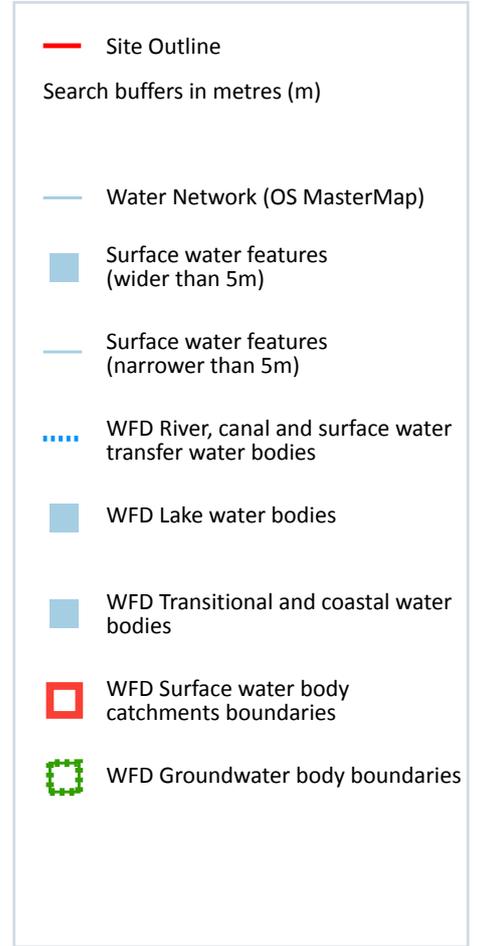
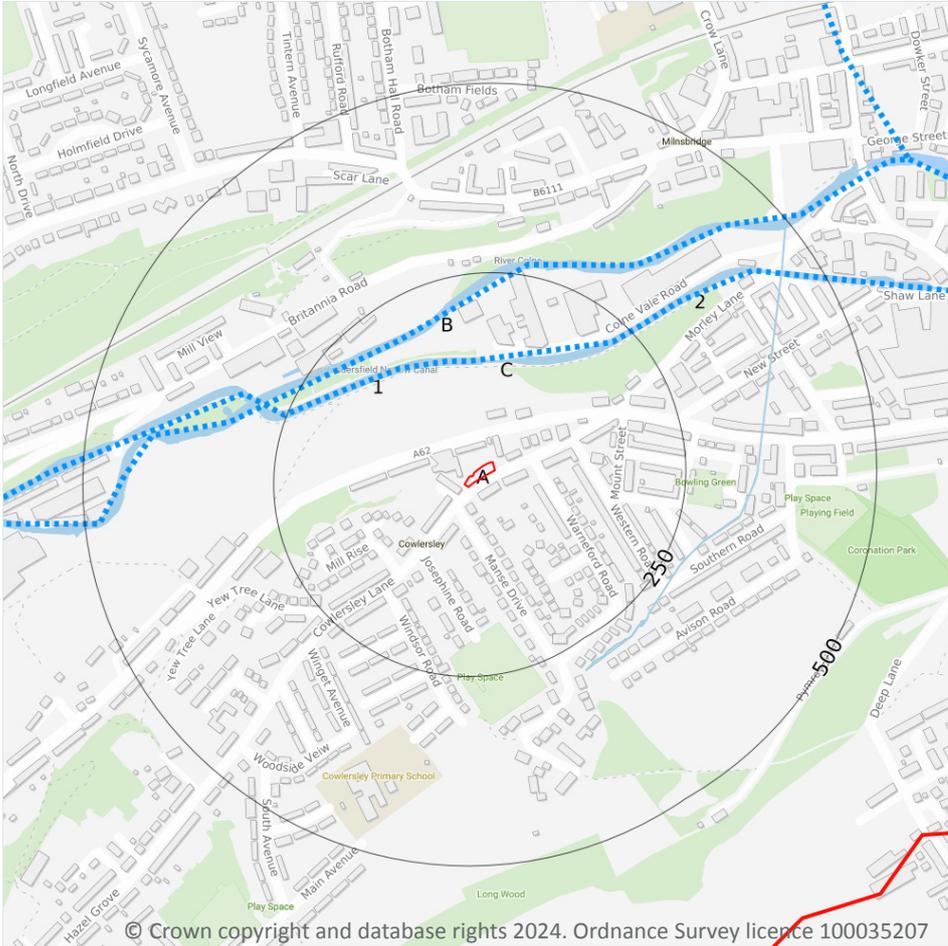
0

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

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



6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

6

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

Features are displayed on the Hydrology map on [page 73 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
1	132m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal

ID	Location	Type of water feature	Ground level	Permanence	Name
C	132m N	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
C	134m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
2	141m NE	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
C	141m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	196m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m

1

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

Features are displayed on the Hydrology map on [page 73 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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

Features are displayed on the Hydrology map on [page 73 >](#)



ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Colne from Wessenden Brook to R Holme	GB104027063330	Colne and Holme	Aire and Calder

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

6.4 WFD Surface water bodies

Records identified	2
---------------------------	----------

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

Features are displayed on the Hydrology map on [page 73 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
C	136m N	Canal	Huddersfield Narrow Canal east section	GB70410269 ↗	Moderate	Fail	Good	2019
3	198m NW	River	Colne from Wessenden Brook to R Holme	GB104027063330 ↗	Moderate	Fail	Moderate	2019

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

6.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

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

Features are displayed on the Hydrology map on [page 73 >](#)



ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.	GB40402G700400 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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



River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding

8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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

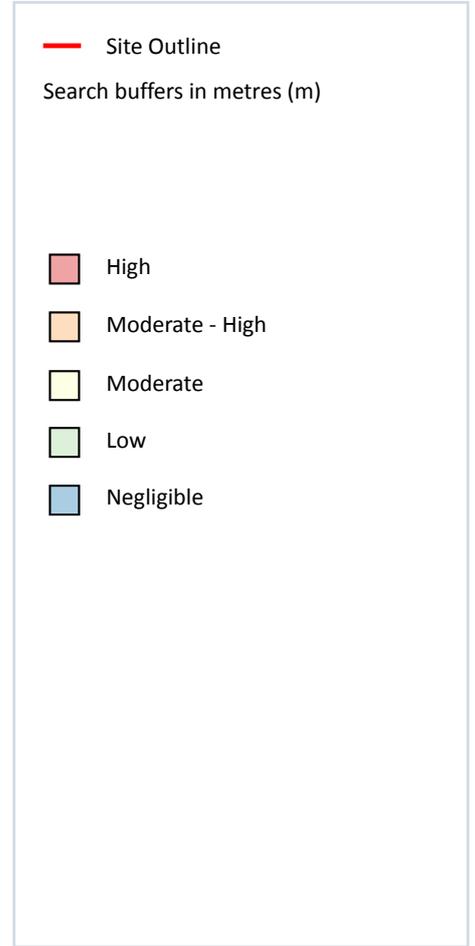
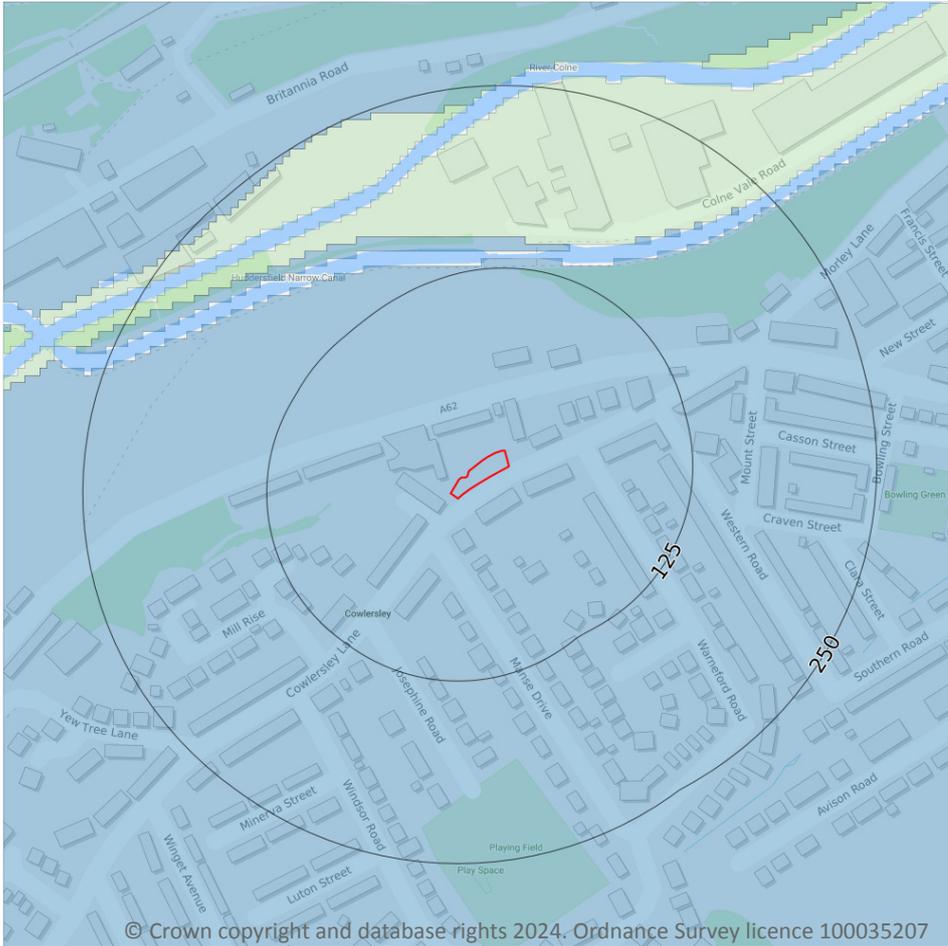
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

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

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Negligible

Highest risk within 50m

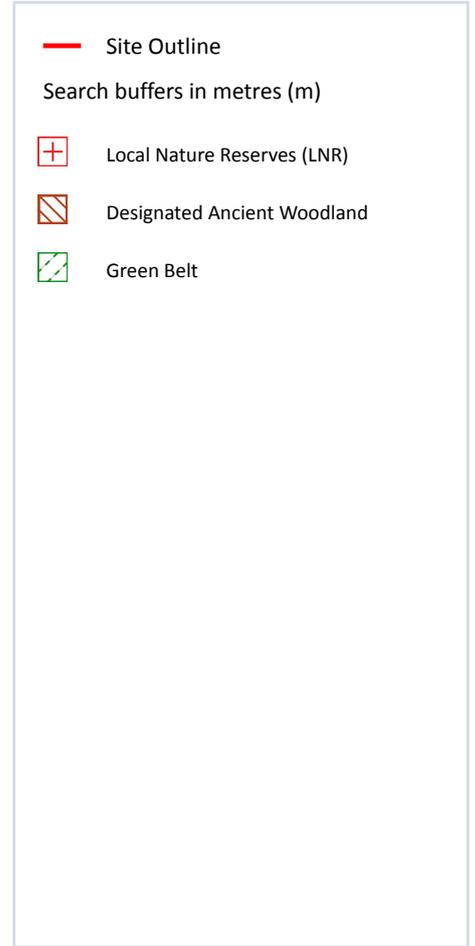
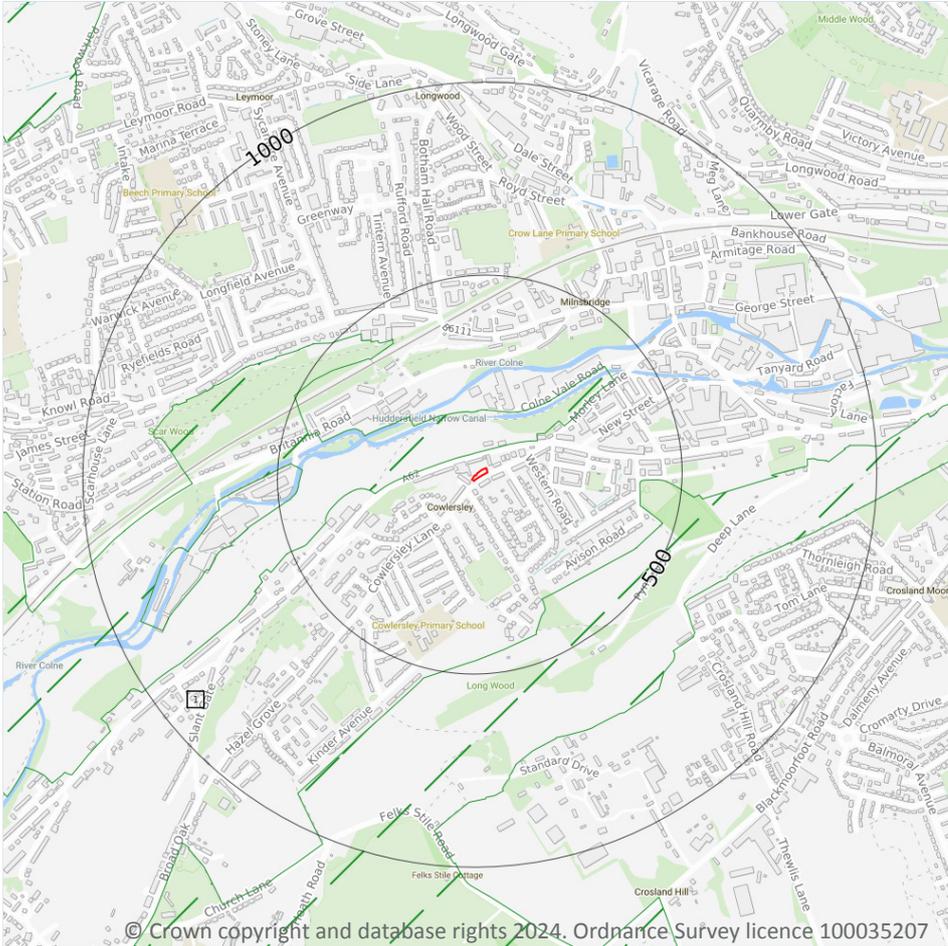
Negligible

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

Features are displayed on the Groundwater flooding map on [page 81](#) >

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



10.6 Local Nature Reserves (LNR)

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 82 >](#)

ID	Location	Name	Data source
-	1981m NE	Gledholt Woods	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 82 >](#)

ID	Location	Name	Woodland Type
-	1871m SE	Butter Nab Spring	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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



10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 82 >](#)

ID	Location	Name	Local Authority name
1	45m N	South and West Yorkshire	Kirklees

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

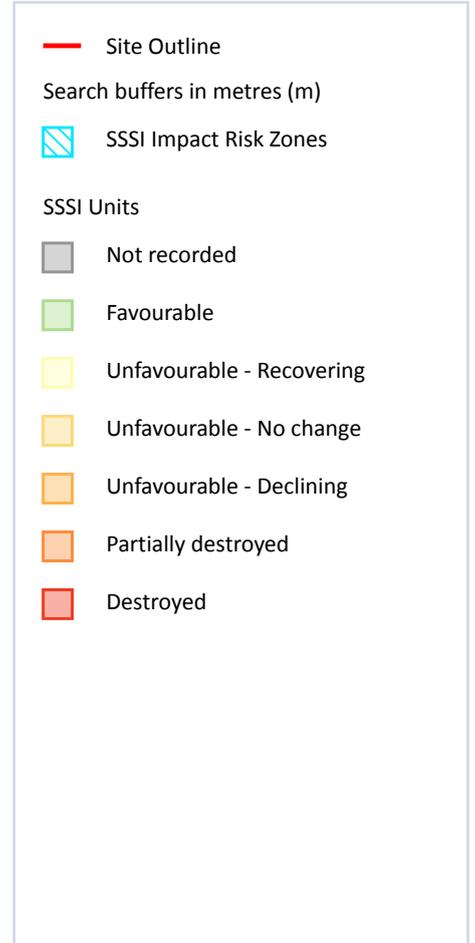
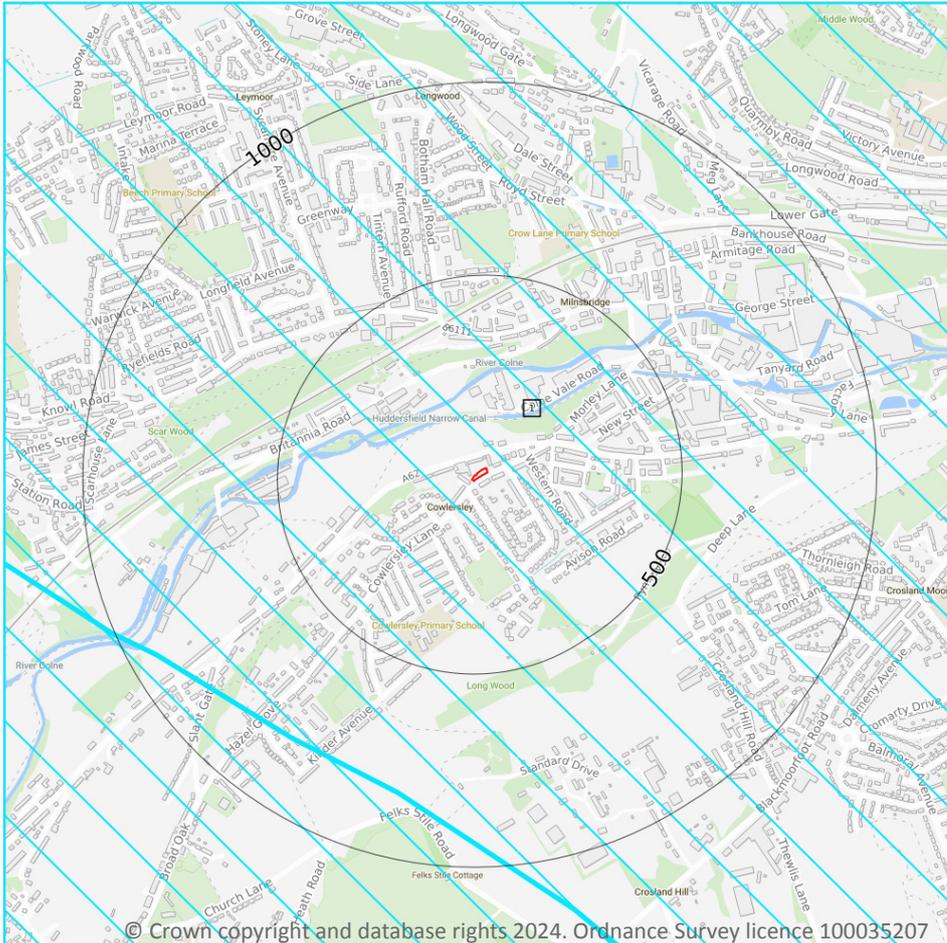
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Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle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

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 87](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Oil & gas exploration/extraction.</p> <p>Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 4000m².</p> <p>Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p>

This data is sourced from Natural England.

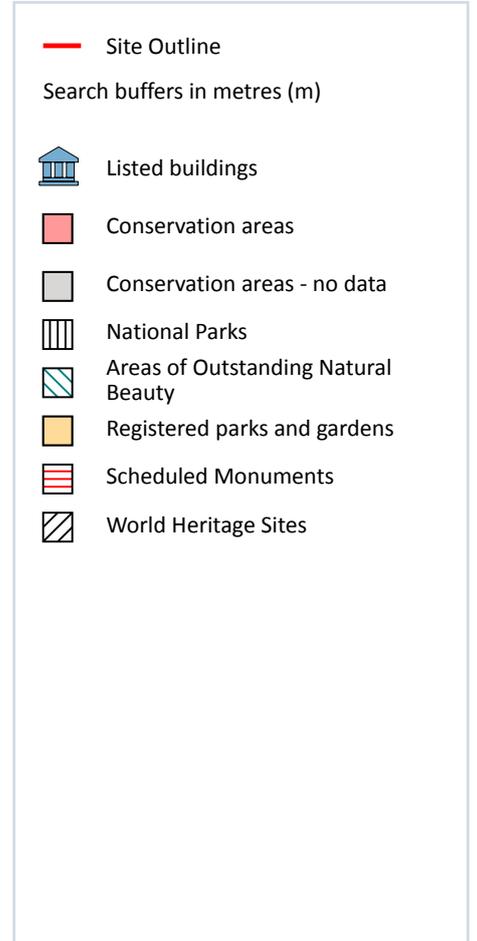
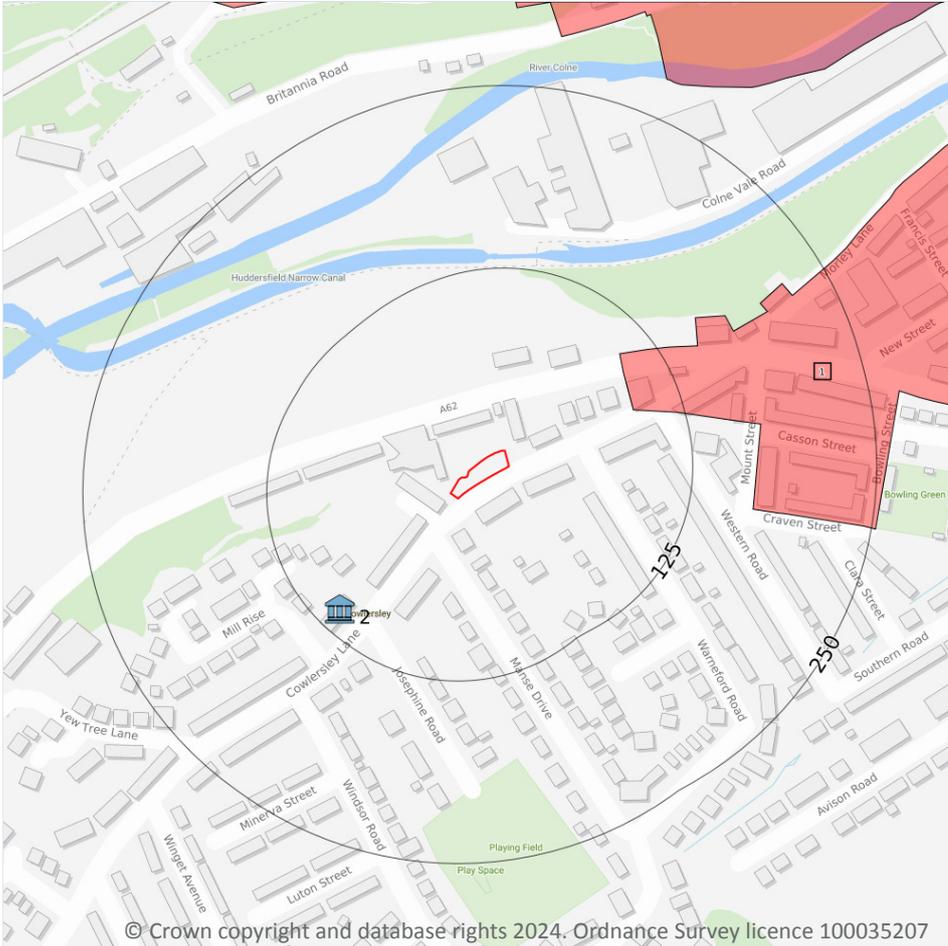
10.18 SSSI Units

Records within 2000m	0
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

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

11 Visual and cultural designations



11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 89 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	109m SW	62 And 64, Cowlersley Lane	II	1134296	29/09/1978

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



11.5 Conservation Areas

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 89](#) >

ID	Location	Name	District	Date of designation
1	92m NE	Milnsbridge	Kirklees	28/03/2004

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

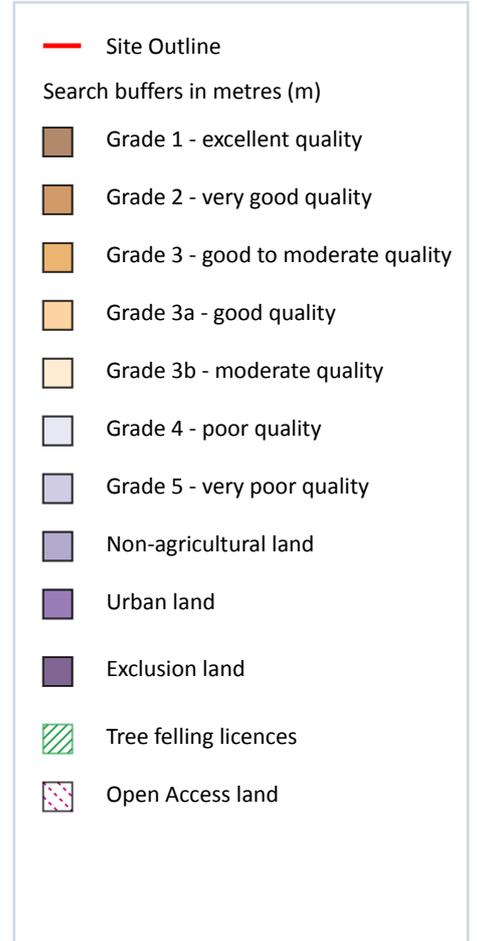
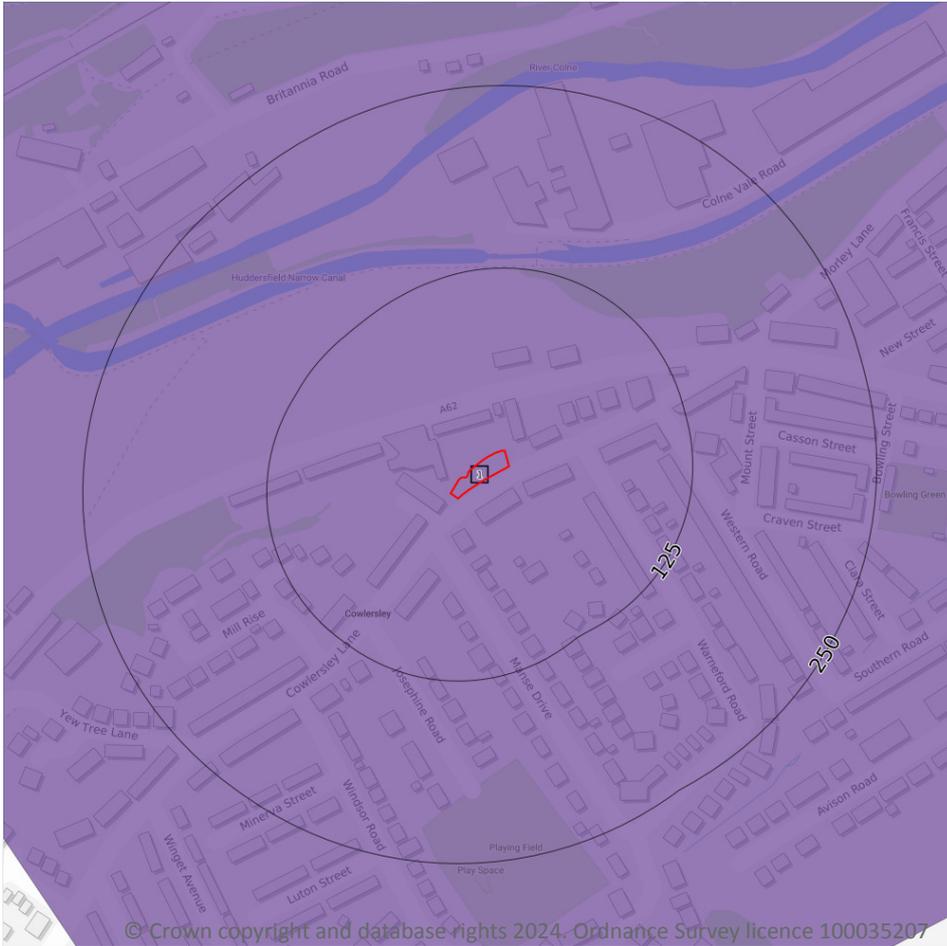
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Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process,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

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



12 Agricultural designations



12.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 92](#) >

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

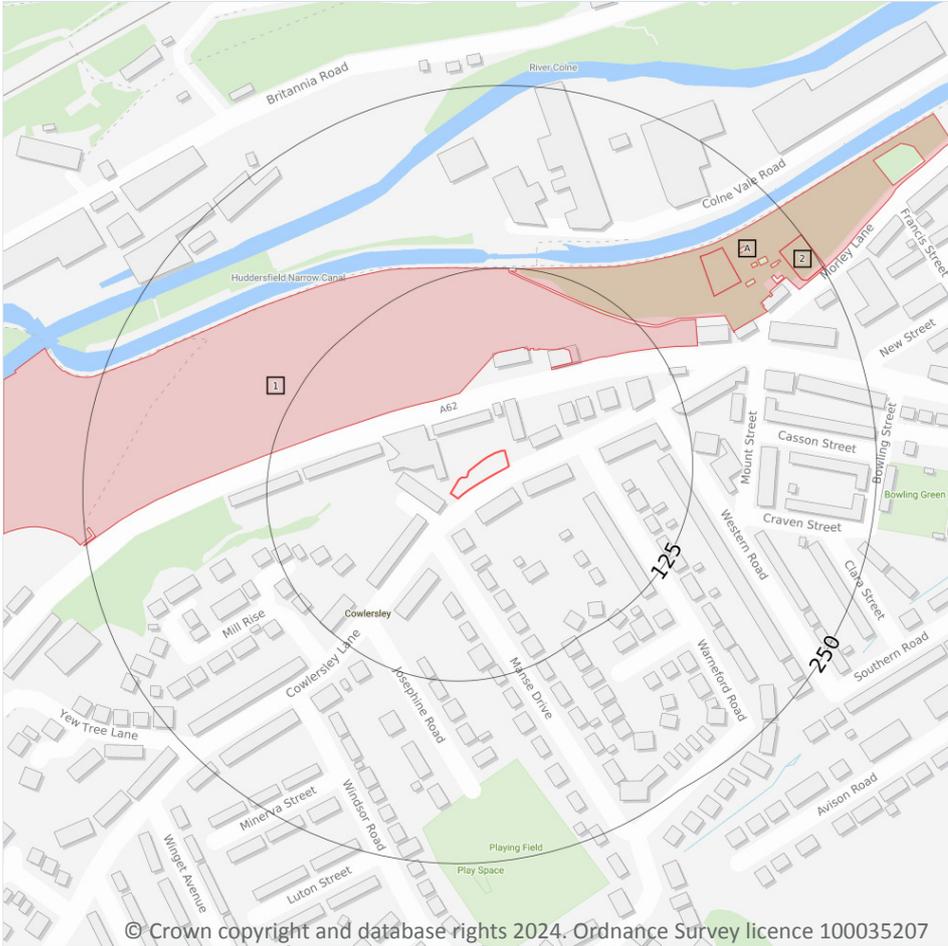
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Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce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

This data is sourced from Natural England.



13 Habitat designations



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13.1 Priority Habitat Inventory

Records within 250m

4

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

Features are displayed on the Habitat designations map on [page 94](#) >

ID	Location	Main Habitat	Other habitats
1	47m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	114m NE	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
A	177m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	231m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

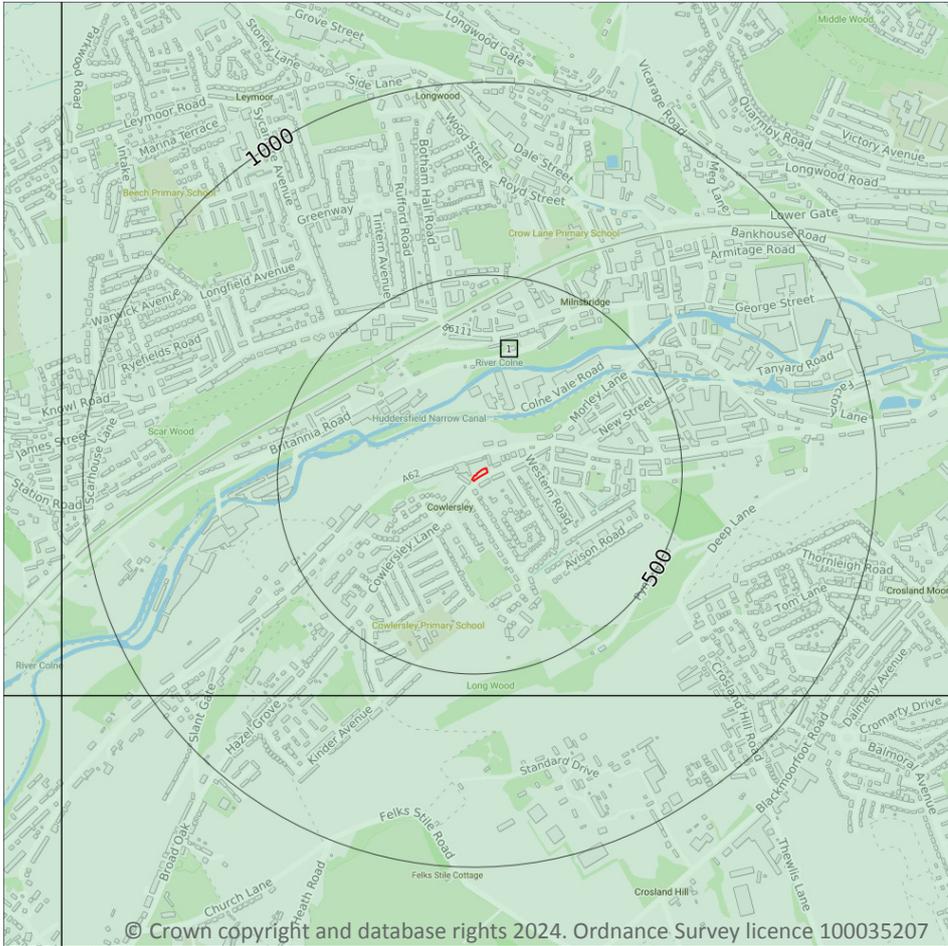
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Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
 Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

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

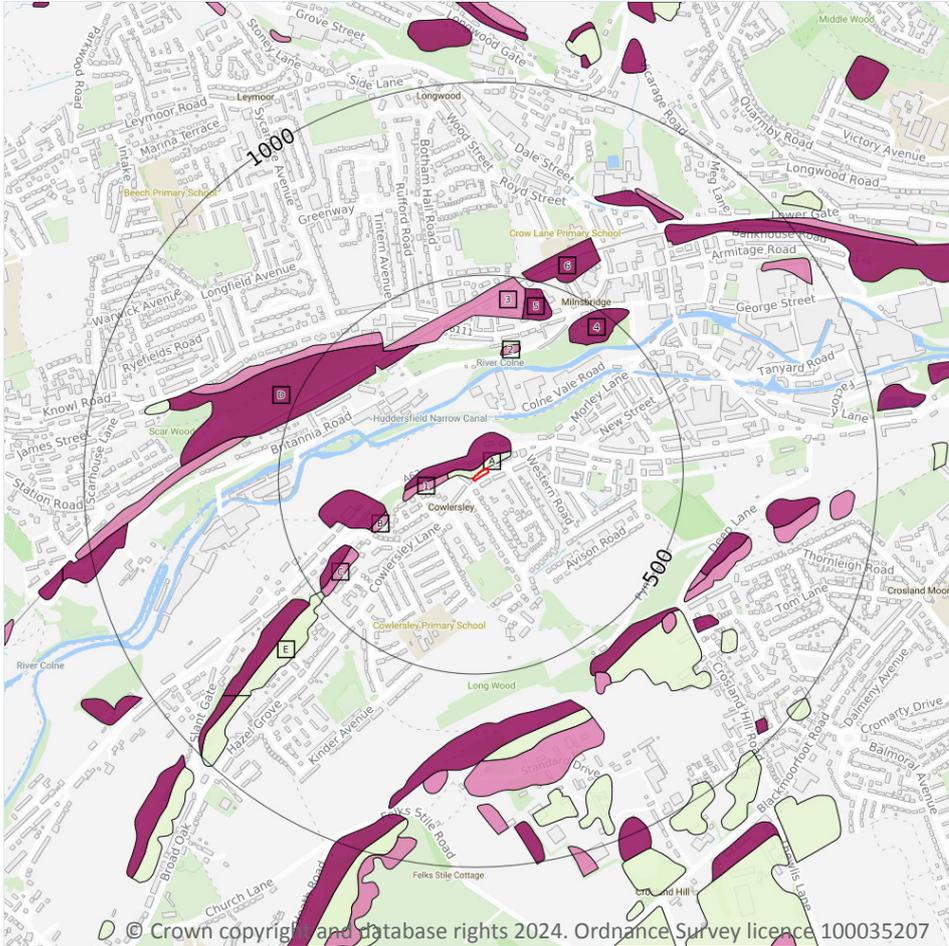
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 96 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE11NW

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

15

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 97](#) >

ID	Location	LEX Code	Description	Rock description
A	On site	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	12m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
1	64m W	WGR-VOID	Worked Ground (Undivided)	Void
B	237m SW	WGR-VOID	Worked Ground (Undivided)	Void

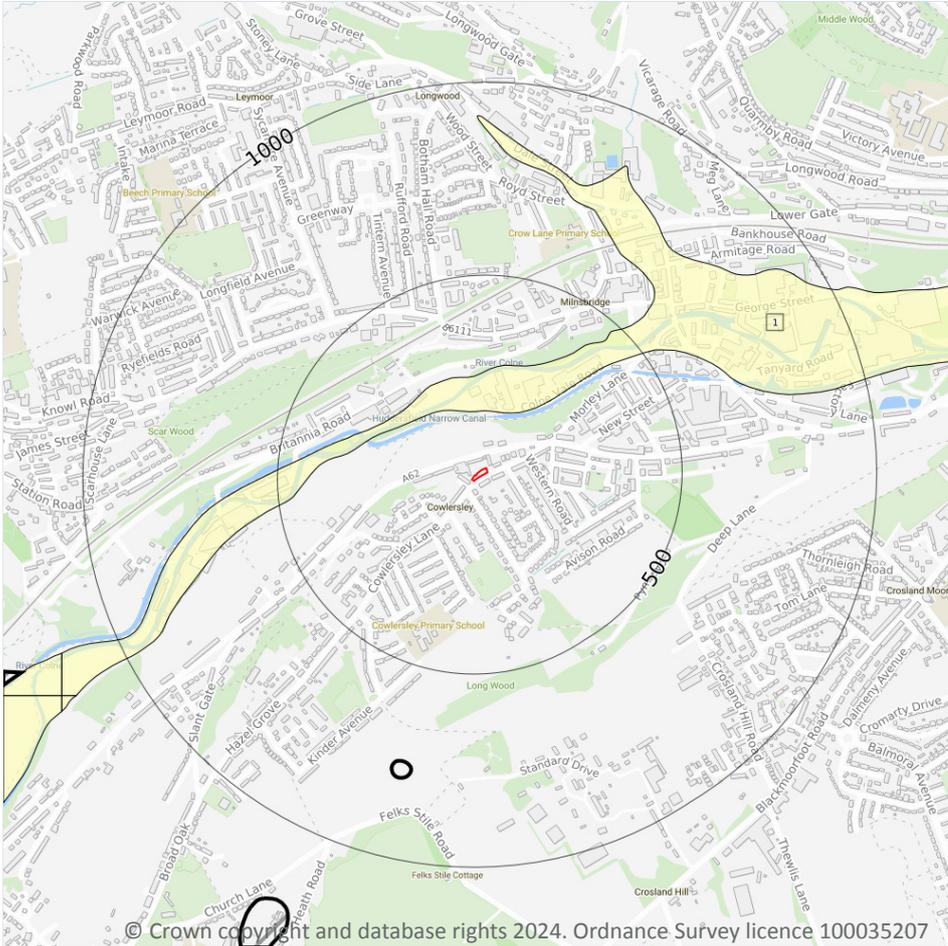


ID	Location	LEX Code	Description	Rock description
B	238m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	295m N	WGR-VOID	Worked Ground (Undivided)	Void
C	352m SW	WGR-VOID	Worked Ground (Undivided)	Void
3	355m N	WGR-VOID	Worked Ground (Undivided)	Void
D	357m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	358m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	391m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
5	397m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
D	417m NW	WGR-VOID	Worked Ground (Undivided)	Void
E	486m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
6	498m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



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

14.3 Superficial geology (10k)

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 99](#) >

ID	Location	LEX Code	Description	Rock description
1	148m N	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

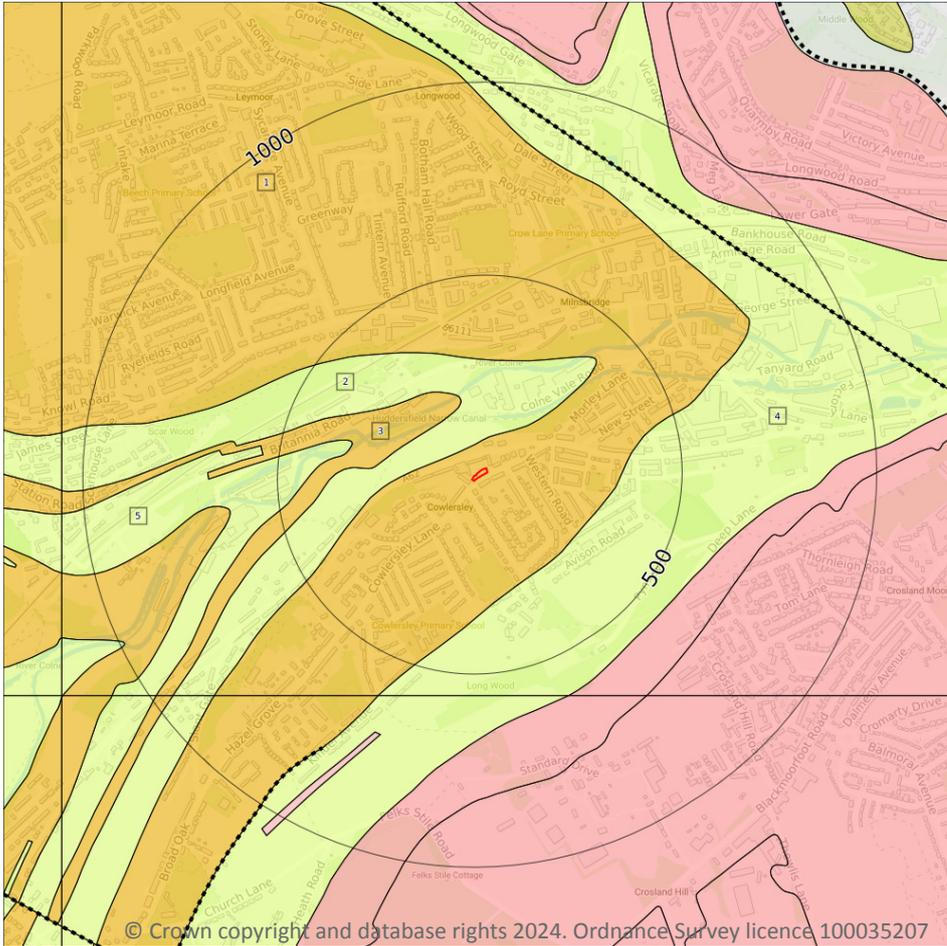
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

5

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

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

ID	Location	LEX Code	Description	Rock age
1	On site	HDW-SDST	Huddersfield White Rock - Sandstone	Marsdenian Sub-age
2	67m N	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
3	162m NW	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age

ID	Location	LEX Code	Description	Rock age
4	278m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
5	321m W	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

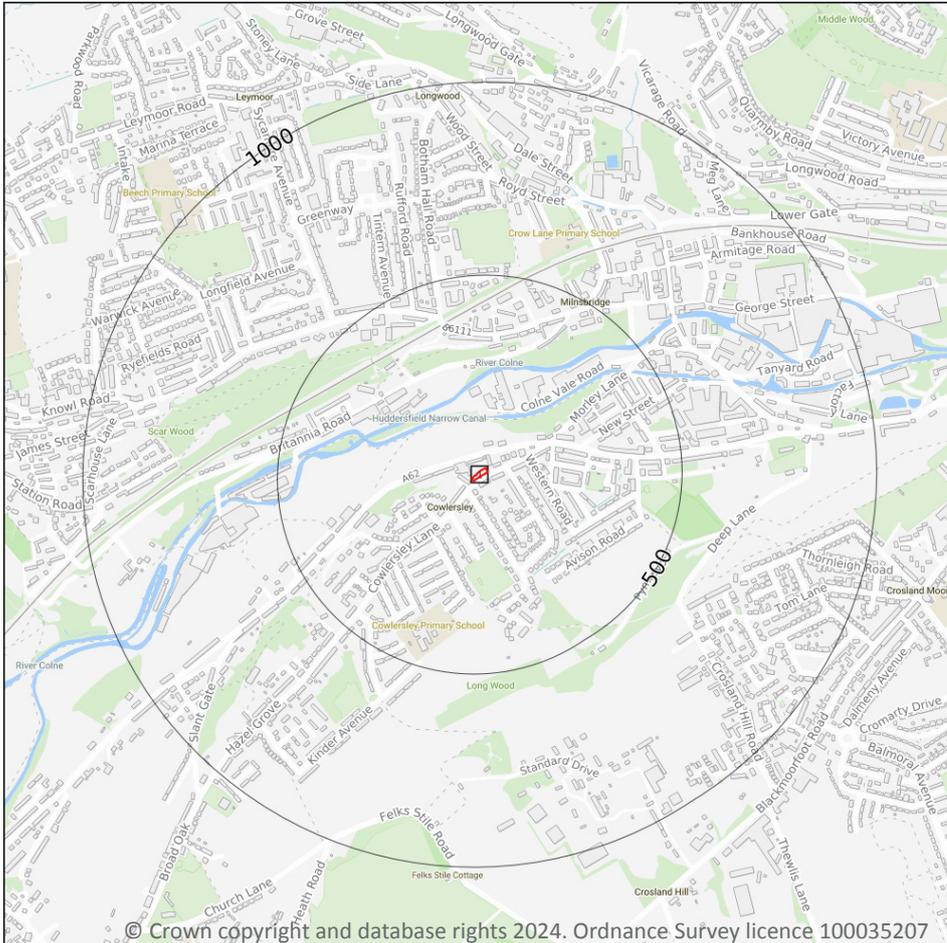
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



- Site Outline
- Search buffers in metres (m)
- Geological map tile

15.1 50k Availability

Records within 500m

1

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

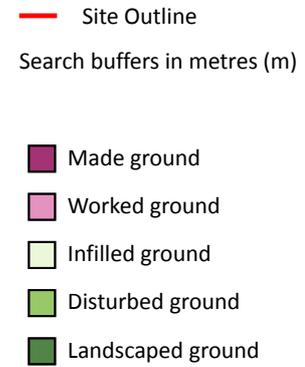
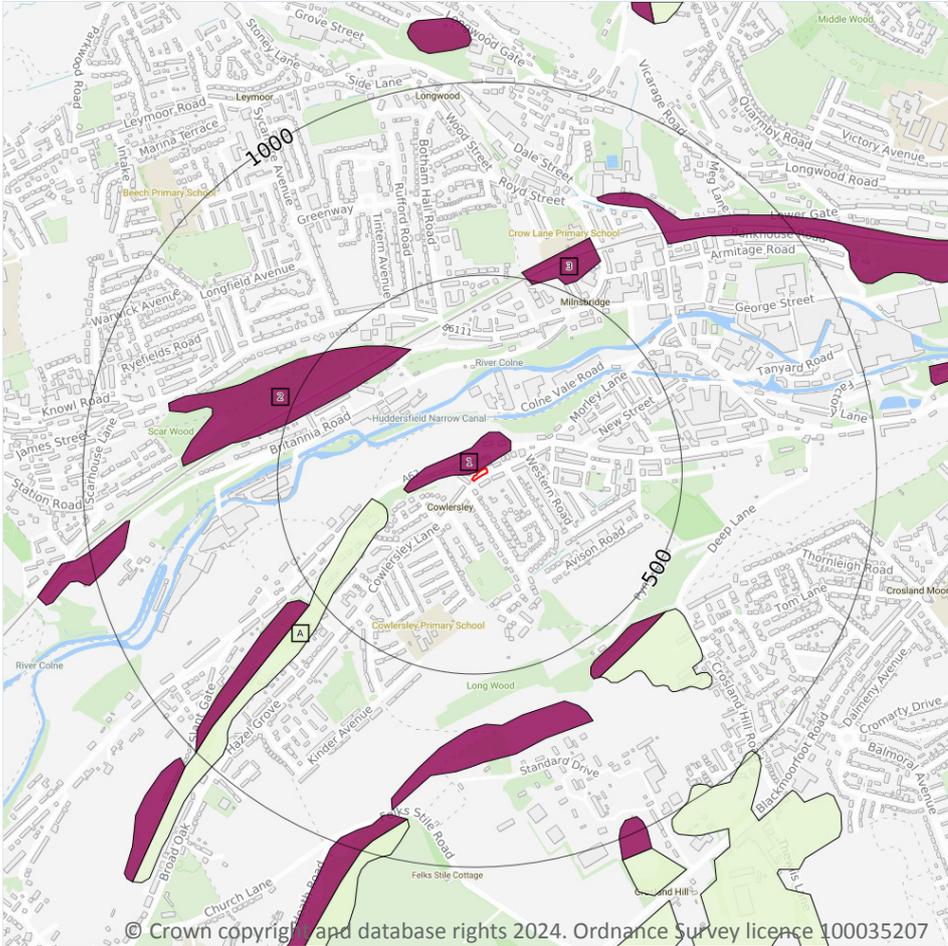
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 103](#) >

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

This data is sourced from the British Geological Survey.



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



15.2 Artificial and made ground (50k)

Records within 500m

4

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 104 >](#)

ID	Location	LEX Code	Description	Rock description
1	2m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	233m W	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	356m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
3	490m N	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

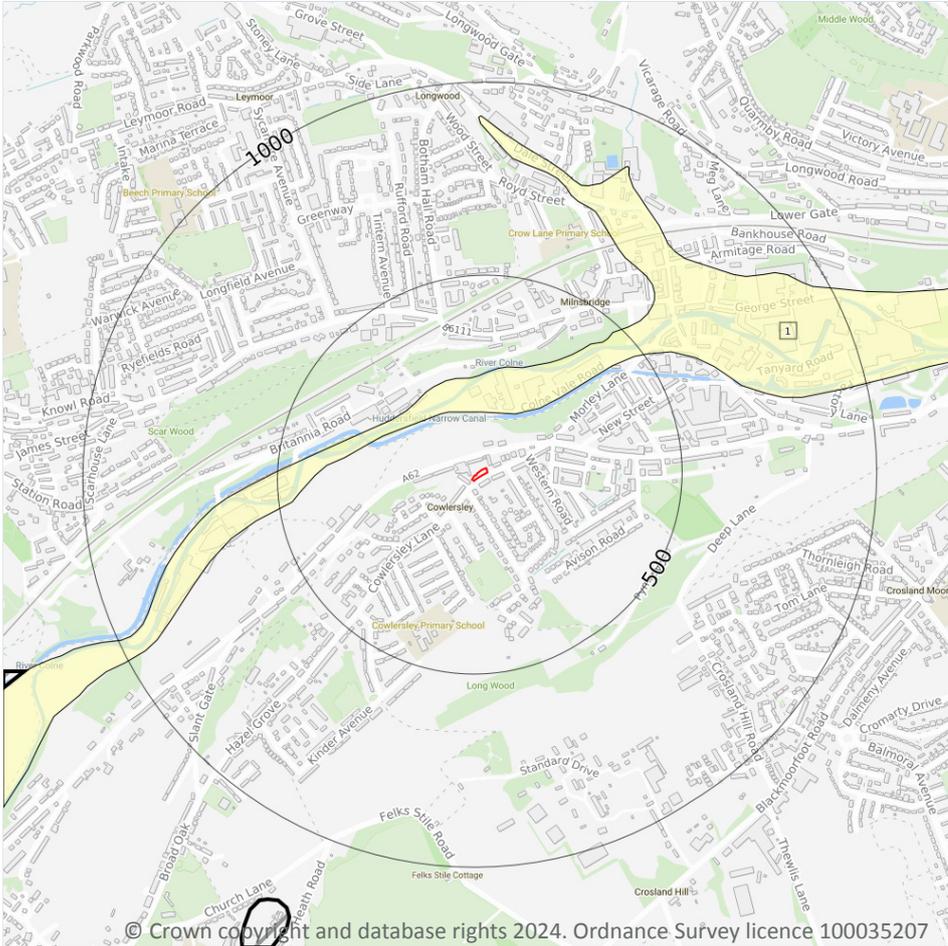
1

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

Location	Flow type	Maximum permeability	Minimum permeability
2m N	Mixed	Very High	Low

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 106](#) >

ID	Location	LEX Code	Description	Rock description
1	145m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

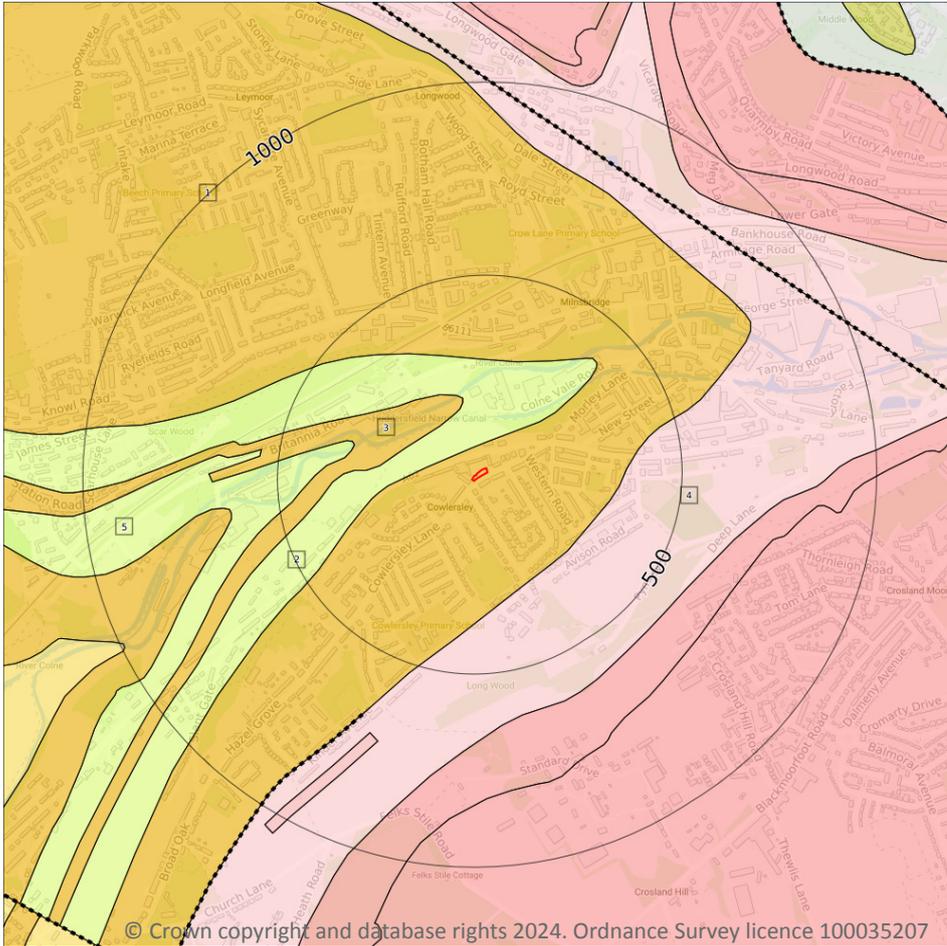
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- - - - Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

5

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 108](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	HDW-SDST	HUDDERSFIELD WHITE ROCK - SANDSTONE	NAMURIAN
2	62m N	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
3	156m NW	GSYG-SDST	GUISELEY GRIT - SANDSTONE	NAMURIAN

ID	Location	LEX Code	Description	Rock age
4	288m SE	ROSSE-MDSI	ROSSENDALE FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
5	315m W	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	High	Moderate

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

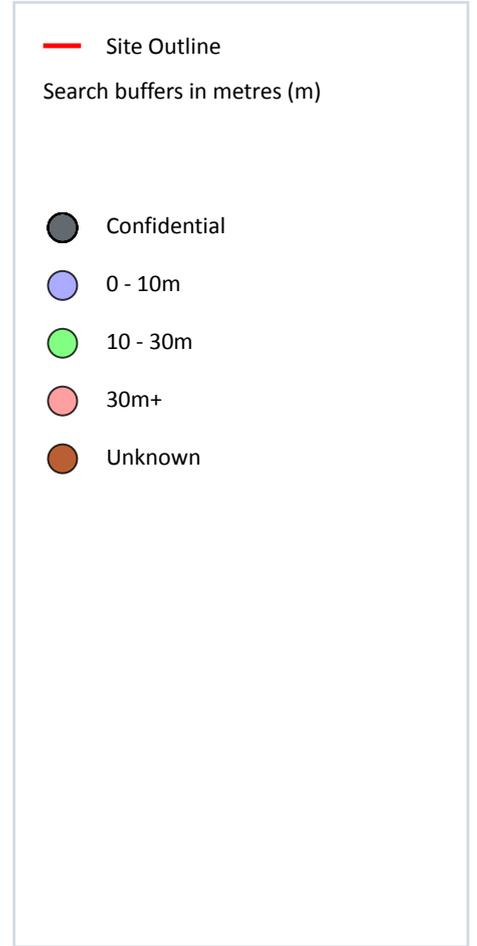
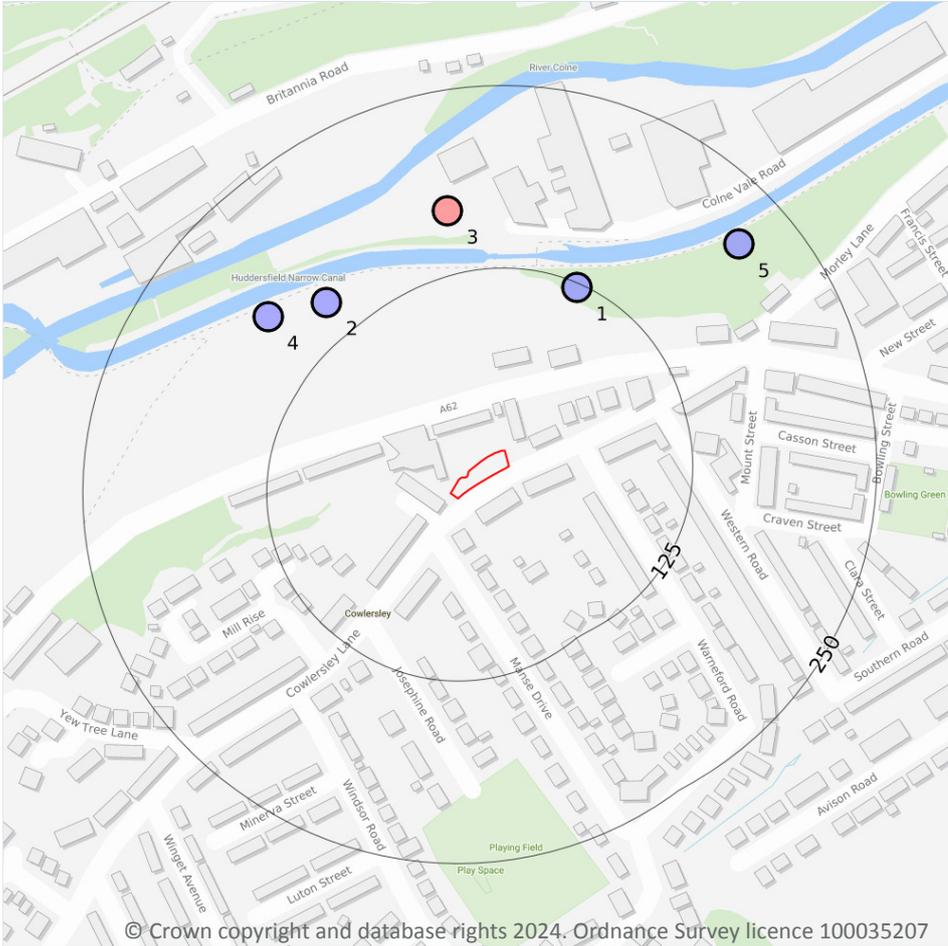
0

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

This data is sourced from the British Geological Survey.



16 Boreholes



16.1 BGS Boreholes

Records within 250m

5

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

Features are displayed on the Boreholes map on [page 110](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	122m NE	411140 415700	MILNSBRIDGE 3	3.66	N	15631007 ↗
2	151m NW	410970 415690	MILNSBRIDGE 2	8.39	N	15631005 ↗

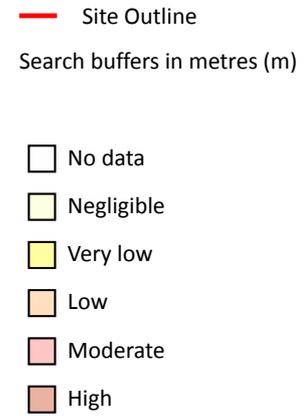
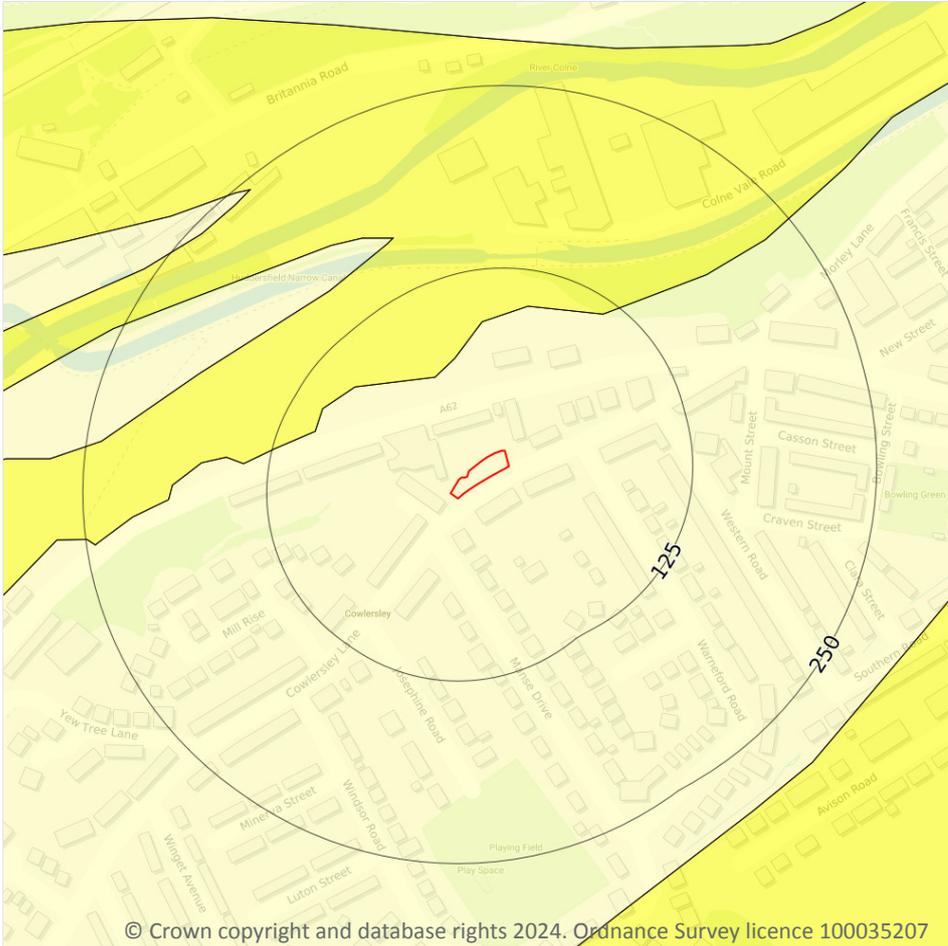


ID	Location	Grid reference	Name	Length	Confidential	Web link
3	169m N	411052 415753	HUDDERSFIELD 1	57.0	N	41047 ↗
4	171m NW	410930 415680	MILNSBRIDGE 2A	5.33	N	15631006 ↗
5	213m NE	411250 415730	MILNSBRIDGE 4	4.57	N	15631008 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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17.1 Shrink swell clays

Records within 50m

1

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

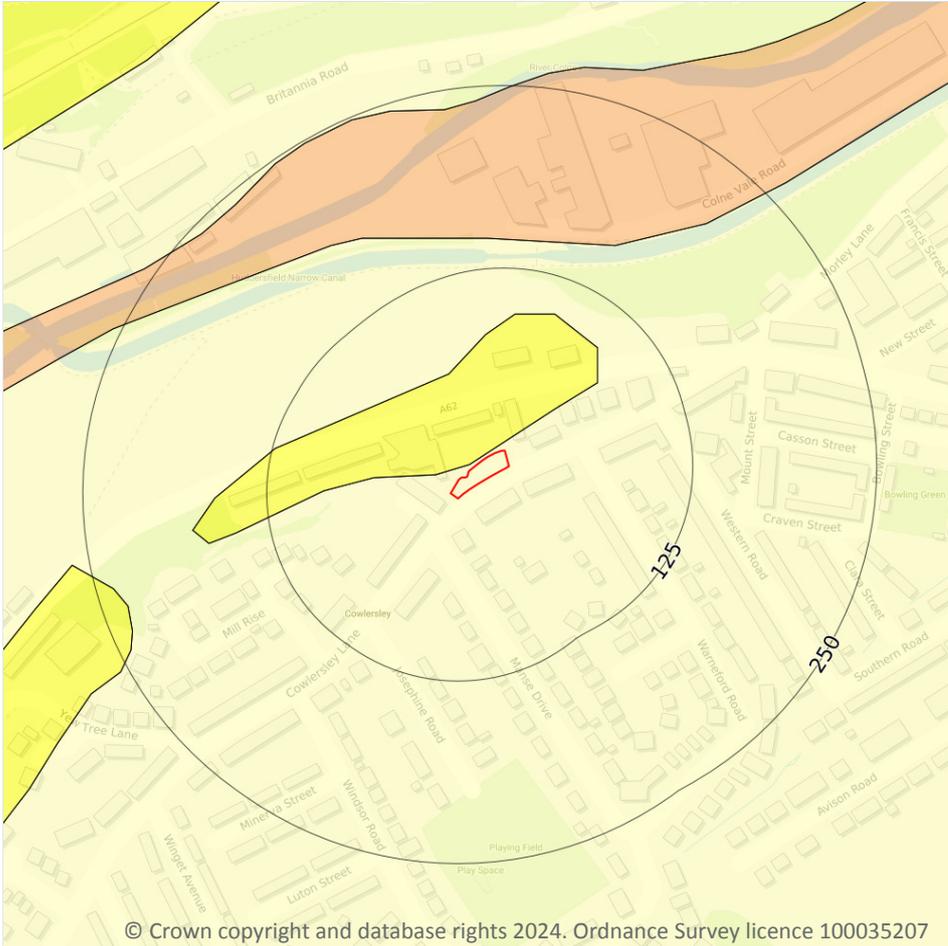
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 112 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



— Site Outline
Search buffers in metres (m)

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

17.2 Running sands

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 113 >](#)

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

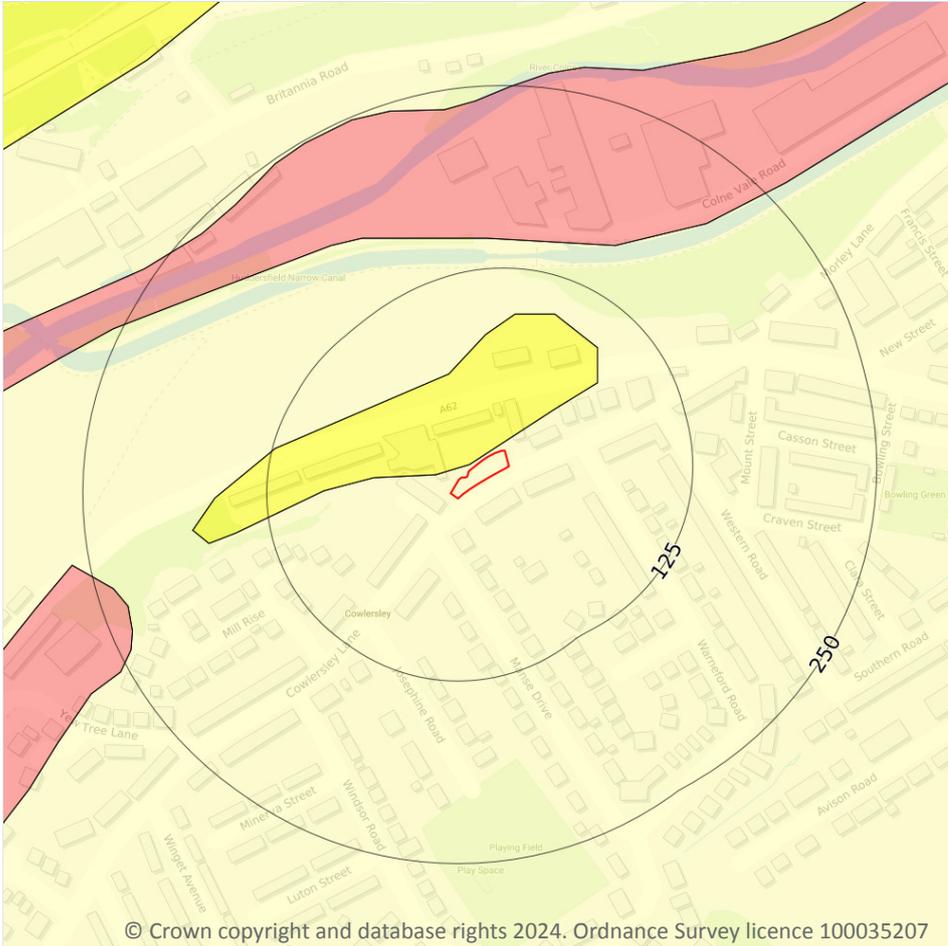


Location	Hazard rating	Details
2m N	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



— Site Outline
Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 115](#) >

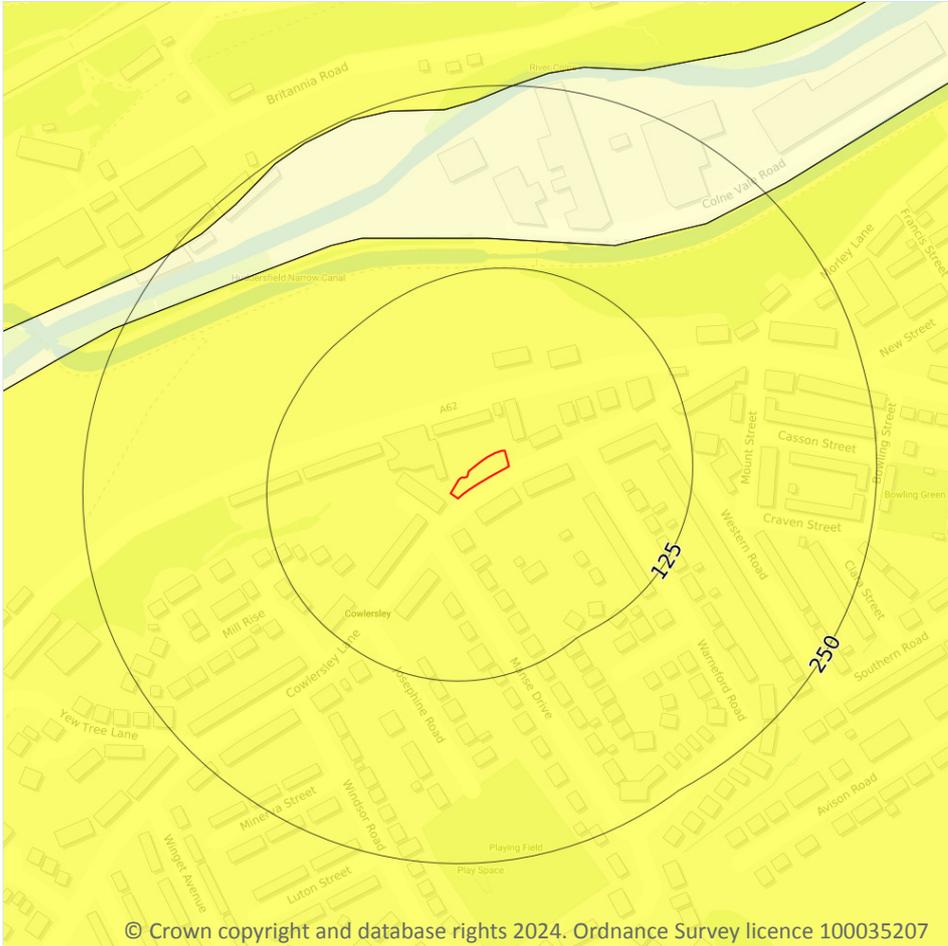
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
2m N	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



— Site Outline
Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m

1

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

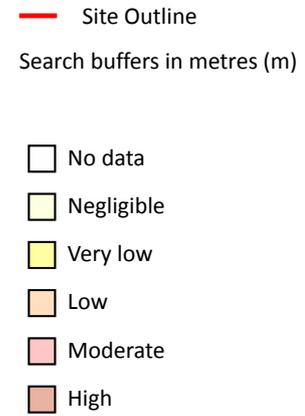
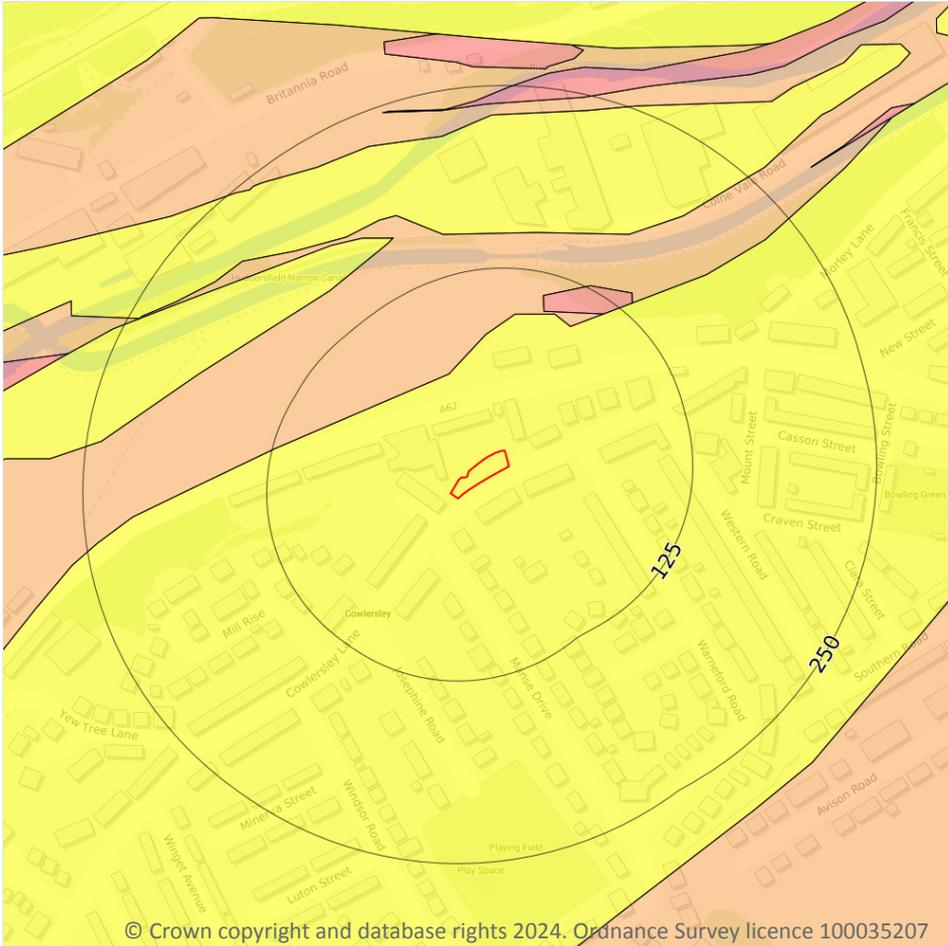
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 117 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

1

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

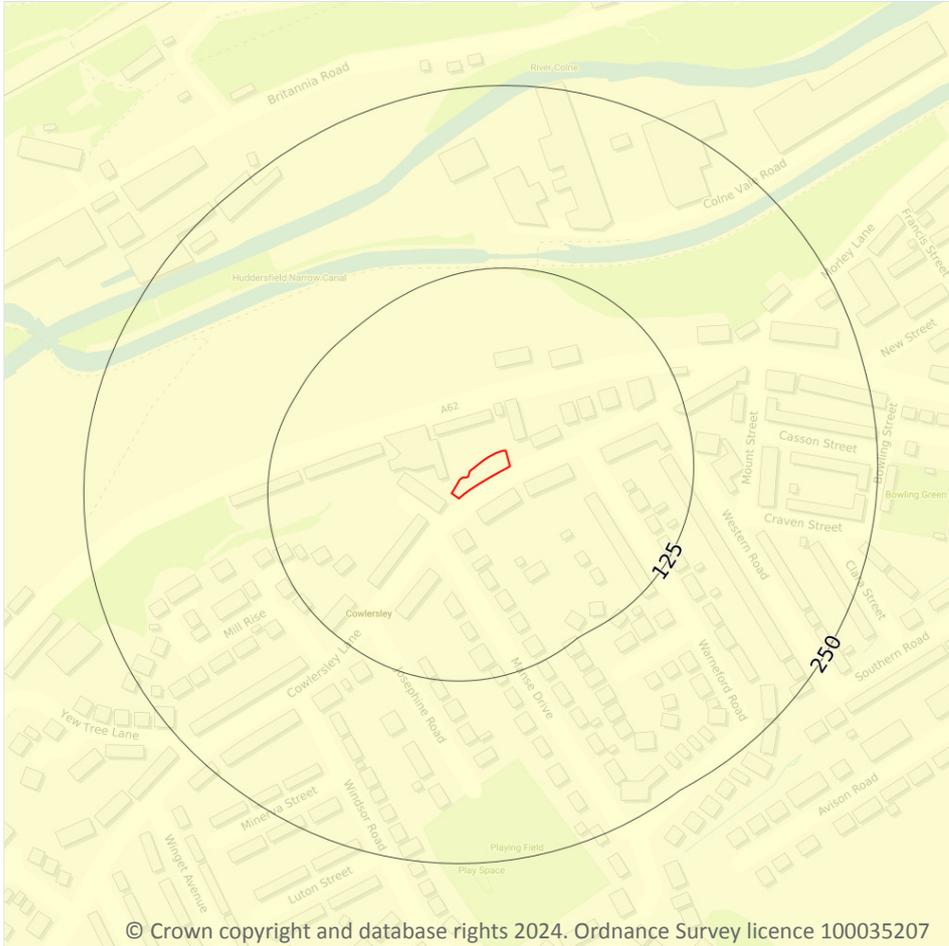
Features are displayed on the Natural ground subsidence - Landslides map on [page 118](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



— Site Outline
 Search buffers in metres (m)

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

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17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

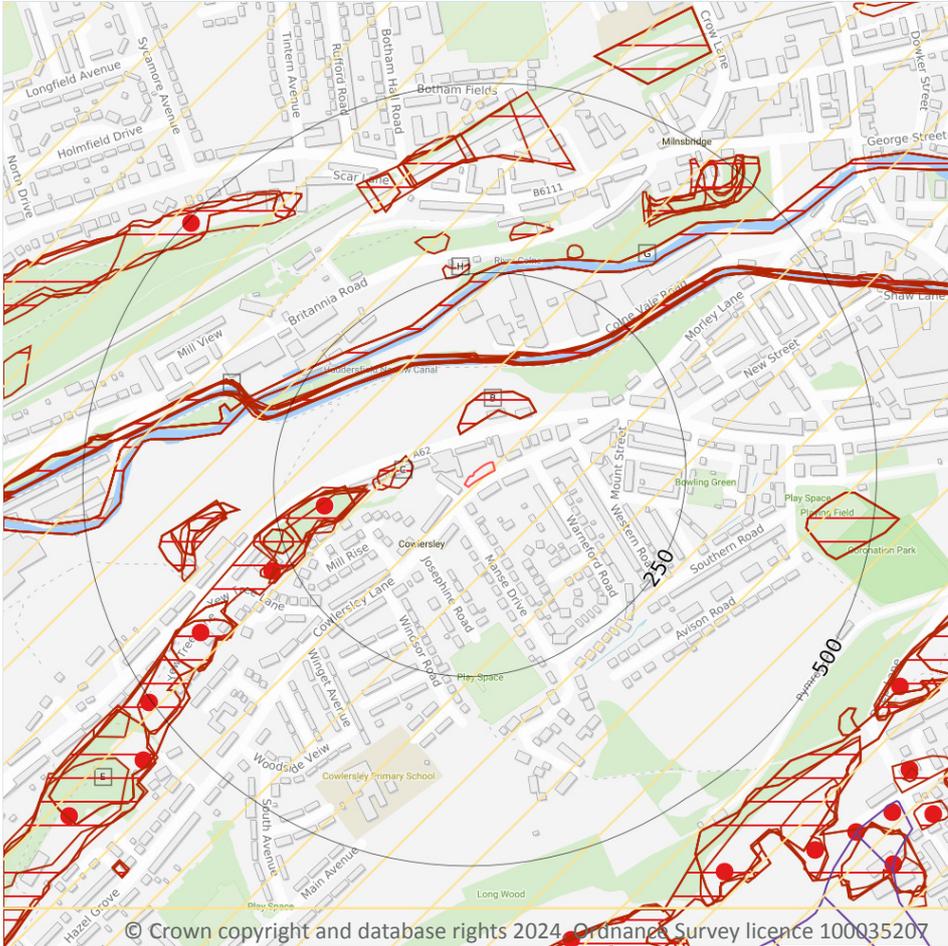
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 119](#) >

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

This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

4

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

Features are displayed on the Mining and ground workings map on [page 121](#) >



ID	Location	Details	Description
D	185m W	Name: Cowlersley Address: Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	276m SW	Name: Yew Tree Lane Address: Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
J	396m SW	Name: Common End Address: Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
2	495m NW	Name: Scar Wood Address: Golcar, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

28

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

Features are displayed on the Mining and ground workings map on [page 121 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
B	52m NW	Unspecified Heap	1985	1:10000
B	52m NW	Unspecified Heap	1966	1:10560
B	52m NW	Unspecified Heap	1975	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
C	71m W	Unspecified Quarry	1890	1:10560
C	92m W	Unspecified Pit	1905	1:10560
D	126m W	Unspecified Quarry	1905	1:10560
D	126m W	Unspecified Ground Workings	1948	1:10560
D	129m W	Unspecified Ground Workings	1956	1:10560
E	129m W	Unspecified Quarries	1930	1:10560
F	131m N	Canal	1948	1:10560
F	131m N	Canal	1905	1:10560
F	133m N	Disused Canal	1985	1:10000
F	133m N	Canal	1966	1:10560
F	133m N	Disused Canal	1975	1:10000
F	133m N	Canal	1956	1:10560
F	134m N	Canal	1890	1:10560
F	135m N	Canal	1938	1:10560
D	147m W	Unspecified Ground Workings	1985	1:10000
D	147m W	Unspecified Ground Workings	1966	1:10560
D	147m W	Unspecified Ground Workings	1975	1:10000
G	196m NW	Canal	1985	1:10000
G	196m NW	Canal	1966	1:10560
G	196m NW	Canal	1975	1:10000
G	196m NW	Canal	1956	1:10560
D	236m W	Unspecified Heap	1985	1:10000
D	236m W	Unspecified Heap	1966	1:10560
D	236m W	Unspecified Heap	1975	1:10000
H	248m N	Unspecified Ground Workings	1948	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

2

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

Features are displayed on the Mining and ground workings map on [page 121](#) >

ID	Location	Name	Commodity	Class	Likelihood
A	On site	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
4	556m S	Not available	Vein Mineral	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.



18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site

0

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

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

18.14 Gypsum areas

Records on site

0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



18.15 Tin mining

Records on site

0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site

0

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

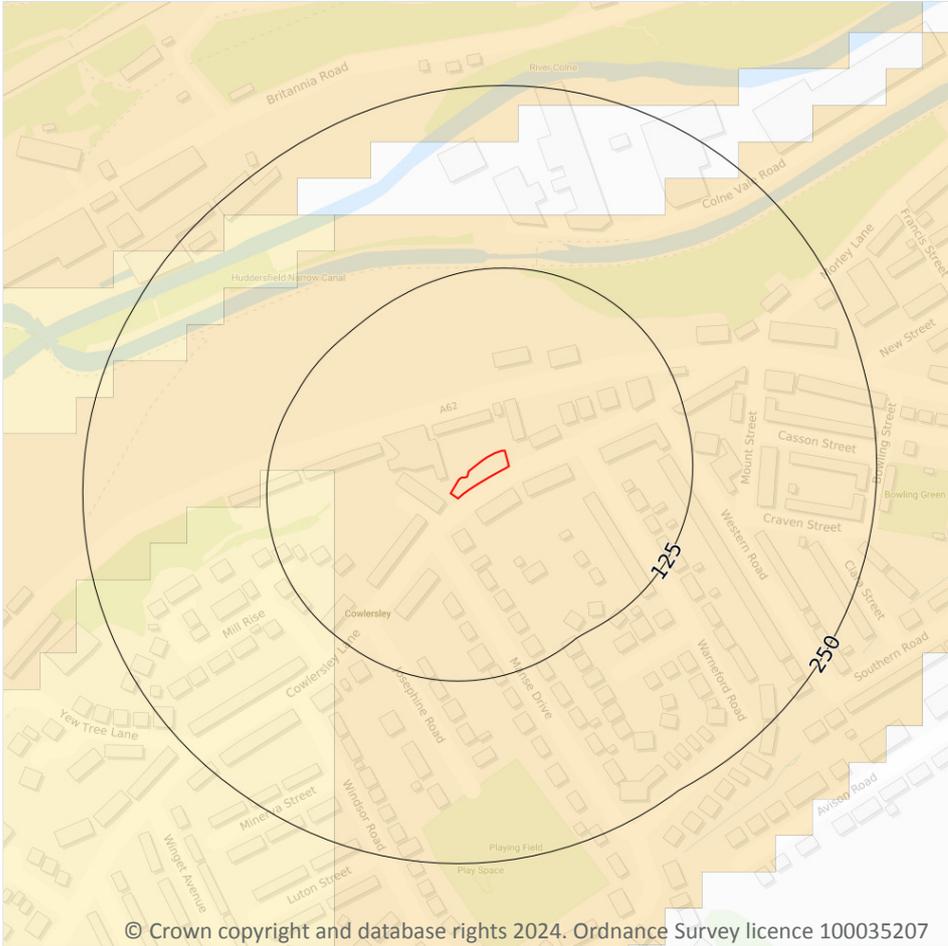
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

This data is sourced from the British Geological Survey.



20 Radon



— Site Outline
 Search buffers in metres (m)

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

20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 130 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 3% and 5%	Basic



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

1

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	25 - 35 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

0

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

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



Appendix 4

Photographs



Photo 1



Photo 2



Photo 3



Photo 4



Rogers Geotechnical Services Ltd

Offices 1 & 2, Barncliffe Business Park,
Near Bank, Shelley,
Huddersfield,

Job No:

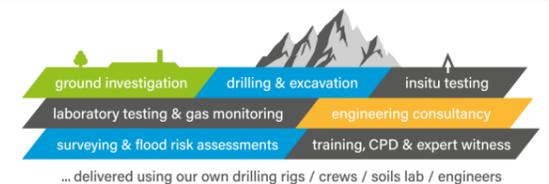
C4351/24/E/6662

Site:

Land adjacent to
18B Cowlersley Lane
Huddersfield
West Yorkshire
HD4 5TY

Client:

Luke Stead



... delivered using our own drilling rigs / crews / soils lab / engineers

Appendix 5

Coal Mining CON29M Report



Coal Mining Con29M Report

Address:
Land on North side of Cowlersley
lane,
Huddersfield,
West Yorkshire
HD4 5TY

Your reference:
AL/S2149/1-0/86017/00630068/631

Our reference:
PP00921819

Date of order:
09/05/2024

- | | | | |
|------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------|
|  | 1. Past Underground Coal Mining |  | 2. Present Underground Coal Mining |
|  | 3. Future Underground Coal Mining |  | 4. Shafts and Adits (mine entries) |
|  | 5. Coal Mining Geology |  | 6. Past Opencast Coal Mining |
|  | 7. Present Coal Opencast Mining |  | 8. Future Opencast Mining |
|  | 9. Coal Mining Subsidence Claims |  | 10. Mine Gas Emissions |
|  | 11. Emergency Surface hazard
Call Out incidents |  | 12. Withdrawal of support |
|  | 13. Working facilities |  | 14. Payments to owners of
former copyhold land |

This report raises no coal mining related issues.

POWERED BY
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www.pinpointinformation.co.uk

Redacted

Phil Huddleston
MRICS, Chartered Minerals Surveyor



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Search Address:

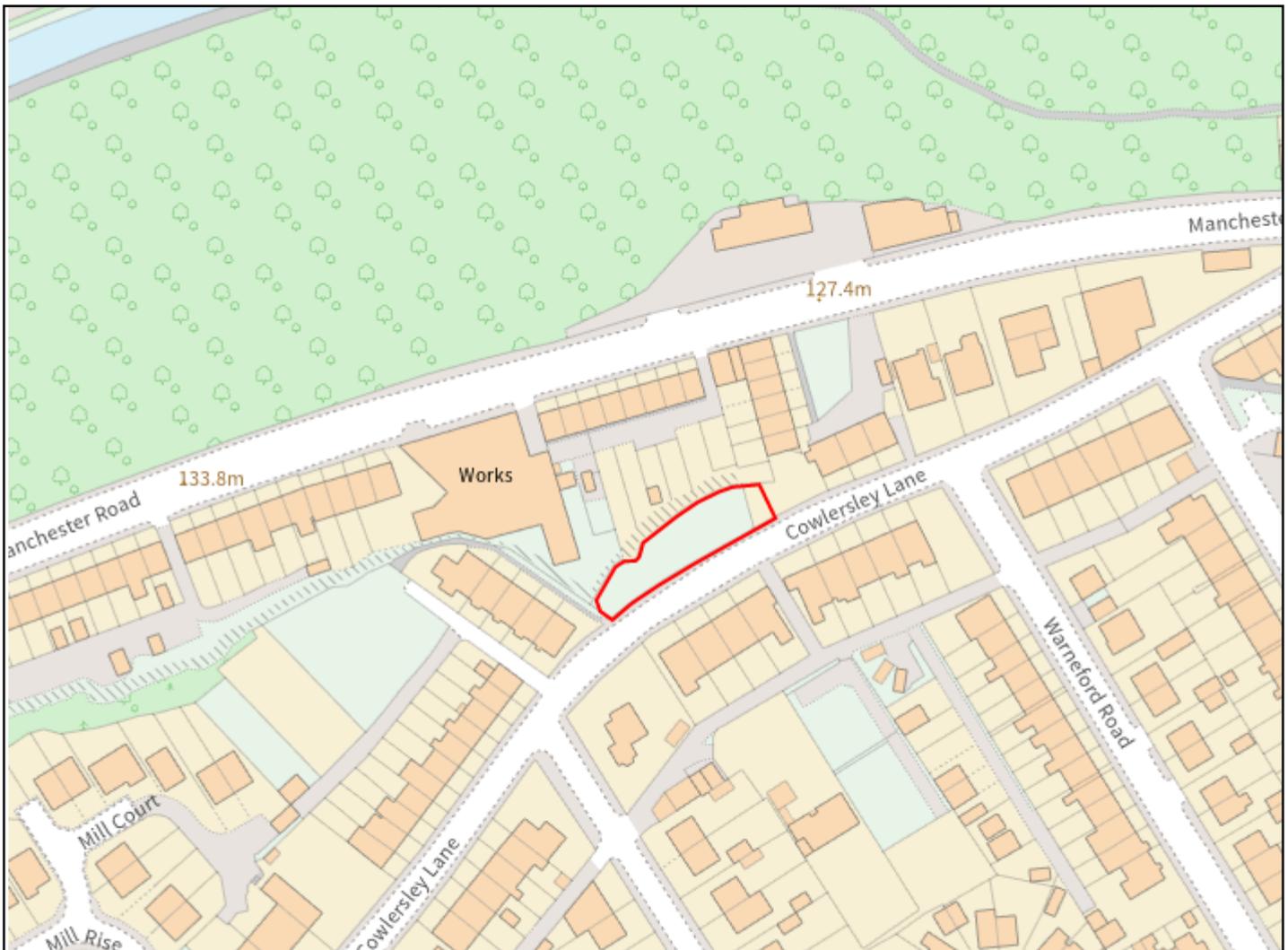
.....

Land on North side of Cowlersley lane, Huddersfield, West Yorkshire HD4 5TY

National Grid centroid of property:

.....

411077.11, 415574.32



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— Property/Site boundary



1. Past underground coal mining

Is the property within the zone of likely physical influence on the surface of past underground coal workings? If yes, indicate the number of seams involved, their depth and approximate last date of working.
For the purpose of this enquiry "zone of likely physical influence" will be based on the principle of 0.7 times the depth of the working allowing for seam inclination.

No

The property is not in an area where there are any maps to show that workings having taken place within influencing distance of the property.



2. Present underground coal mining

Is the property within the zone of likely physical influence on the surface of present underground coal workings? If yes, indicate the seams involved.

No

The property is not in the likely zone of influence of any present underground coal workings.



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?
(b) Is the property within any geographical area for which a licence to remove coal by underground methods has been granted? If yes, when was the licence granted?
(c) Is the property within the zone of likely physical influence on the surface of planned future underground coal workings? If yes, indicate the seams involved and approximate date of working.
(d) Has any notice of proposals relating to underground coal mining operations been given under section 46 of the Coal Mining Subsidence Act 1991? If yes, supply the date and details of the last such notice.

For the purpose of this enquiry "geographical area" means the surface area directly above a licence being determined or granted.

No

1.3. Future underground coal mining

The Coal Authority has not granted a licence to extract coal using underground methods in the area of this property.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

No notices under section under 46 of the Coal Mining Subsidence Act 1991 have been served which affect this property.



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? If yes, supply a plan showing the approximate recorded location and any relevant information, where available, regarding any treatment carried out to such shafts, adits or entries.

No

4. Mine Entries

There are no known or recorded coal mine entries within, or within 20 metres of, the boundary of the property



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

No geological fissures, breaklines and/or other lines of weakness are present in the area that may have been affected or created by coal mining.



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?

No

The property is not inside the boundary of an opencast site from which coal has been 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?

No

The property is not within 200 metres of an opencast site from which coal is being removed by opencast methods.



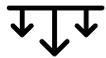
8. Future opencast coal mining

(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?
(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? If yes, when was the licence granted?

No

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

The property does not fall within 800 metres 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 1st January 1994? If yes, supply the date of such notice or claim.
(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 him?
(c) In respect of any such notice or acceptance has the remedial obligation or claim been discharged? If yes, state whether such remedial obligation or claim was discharged by repair or payment, or a combination thereof.
(d) Does any current "Stop Notice" delaying the start of remedial works or repairs affect the property? If yes, supply the date of the notice.
(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?

No

The Coal Authority has not received a damage notice or claim for the property since 1 January 1994.

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



10. Mine gas emissions

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

There is no record of any action being required by the Coal Authority as a result of a mine gas emission 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

There is no record of any action being required by the Coal Authority as a result of a surface hazard within the boundary of the property.



12. Withdrawal of support

(a) Does the land lie within a geographical area in respect of which a notice of entitlement to withdraw support has been published? If yes, supply the date of the notice.
(b) Does the land lie within a geographical area in respect of which a revocation notice has been given under section 41 of the Coal Industry Act 1994? If yes, supply the date of the notice.

No

The property is not in an area for which a notice of entitlement to withdraw support has been published.



13. Working facilities orders

Is the property within a geographical area subject to an order in respect of the working of coal under the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof? If yes, supply the date and title of the order.

No

The property is not in an area for which 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

- (a) Has any relevant notice, which may affect the property, been given?
(b) If yes, has any notice of retained interests in coal and coal mines been given?
(c) If yes, has any acceptance notice or rejection notice been served?
(d) If any such acceptance notice has been served, has any compensation been paid to a claimant?

No

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

NOTES

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Statutory Support

Under the Coal Mining Subsidence Act 1991, property owners have statutory protection. This provides that (save for coal worked through the Grant of Gale in the Forest of Dean, or any part of the Hundreds of St Briavels) damage caused by lawful disused coal mine workings or coal mine entries, shall be made good by the Coal Authority/Licensee to the reasonable satisfaction of the property owner. These sort of claims, need not usually involve either the home insurance company or mortgage lender. Further information can be obtained at

www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form

The Coal Authority provides an emergency call out facility in coalfield areas to assess the public safety implications of mining feature. These include disused coal mine entries, shafts and coal related surface hazards. More information can be found at www.groundstability.com The Public Safety and Subsidence Department can be contacted through the Coal Authority's emergency telephone number is 01623 646333.

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

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Compensation Area a Cheshire Salt report should be secured from Groundsure at <https://www.groundsure.com/cheshire-salt-search>

It is beyond the scope of this Report to assess the potential loss amenity or aesthetic impact of certain hazards. For example, current or proposed open cast workings, despite their existence possibly affecting the Site's resale value.

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Should you or your adviser wish to carry out any physical investigations that may enter, disturb or interfere with any disused mine entry or shallow workings, the prior permission of the owner must be sought. For coal mine entries and workings the owner will normally be the Coal Authority. With other Minerals, do not assume that the owner is the surface land owner, as ownership might previously have been severed.

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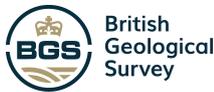
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- Monitor their compliance with the Code

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- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to: Euan McCrindle, Head of Compliance & Senior Executive,
PinPoint Information Products Ltd - Address: Riverbank House; 1 Putney Bridge Approach, London SW6
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(Email: info@pinpointcoal.co.uk; Telephone: 0844 822 3960)

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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 compensation of up to £5,000 to you if he finds that you have suffered actual loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

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

TPOs Contact Details: The Property Ombudsman scheme, Milford House, 43-55 Milford Street, Salisbury, Wiltshire SP1 2BP, Tel: 01722 333306, Fax: 01722 332296, Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk or from our website at www.pinpointinformation.co.uk

End of Report

