

Report No: C871
Date: February 2026

**PRELIMINARY INVESTIGATION
of land to the south of
HIGHER MOORGATE COTTAGE, ROCHDALE, LANCASHIRE**



Prepared for
JHA Pulmann Ltd

Prepared by
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REPORT NUMBER:	C871	REPORT STATUS:	Final
REPORT TYPE:	Preliminary Investigation		
REPORT DATE:	February 2026		
SITE:	Land to the south of Higher Moorgate Cottage, Rochdale, Lancashire		
PREPARED FOR:	JHA Pulmann Ltd		
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PRELIMINARY INVESTIGATION
of land to the south of
HIGHER MOORGATE COTTAGE, ROCHDALE, LANCASHIRE

1.0 INTRODUCTION.

G&M Consulting Ltd (G&M) was commissioned by JHA Pulmann Ltd, to undertake a preliminary investigation (desk study) of land to the south of Higher Moorgate Cottage, Rochdale, Lancashire. It is understood that approval is being sought for the development of the site with a single residential dwelling. This report has been commissioned to support the discharge of any contaminated land conditions associated with an approval.

The proposed development is shown on Drawing No M26/005/101 A2, dated February 2026, prepared by JHA Pulmann Ltd. A copy of this drawing is presented in Appendix A of this report.

The aims of this investigation are as follows;

- To determine the land use history of the site from an inspection of available historical Ordnance Survey (OS) plans;
- To determine the environmental setting of the site, including the details of the geology, hydrogeology and hydrology;
- To determine the likelihood of shallow mine workings beneath the site;
- To determine whether the site had previously been used for any purpose that may have given rise to significant ground contamination;
- Develop a Preliminary Conceptual Site Model; and,
- To provide recommendations for any further works, if required.

As part of the desk study, information was sourced from GroundSure Limited (GroundSure), British Geological Survey (BGS), The Mining Remediation Authority (MRA), The Environment Agency (EA), Zetica Ltd and Building Research Establishment (BRE). A site inspection (walk-over survey) was also carried out by a G&M Geologist on the 13th February 2026.

This report is based on the data obtained from the preliminary investigation, it is limited to that data, and responsibility cannot be accepted for conditions not revealed by the investigation. Any diagram or opinion of the possible configuration of the ground conditions is conjectural and given for guidance only.

During the course of the site walk-over G&M did not note the possible presence of Japanese Knotweed on the subject site. However, it should be borne in mind G&M are not qualified ecologists and as such cannot guarantee the absence of knotweed or other invasive vegetation. If necessary, the possible presence of such vegetation should be confirmed by a qualified ecologist.

This report is intended for the sole use of JHA Pulmann Ltd or their client. No other third party may rely upon or reproduce the contents of this report without the written authorisation of the report author. If any unauthorised third party comes into possession of this report, they rely on it at their own risk and the author does not owe them any Duty of Care or Skill.

2.0 SITE DESCRIPTION.

2.1 Site Location.

The site is located between Bury & Rochdale Old Road and Gristlehurst Lane, approximately 4.25 km north-east of Bury town centre, and 5.5km west of Rochdale town centre, at National Grid Reference SD 844 121. A site location plan is shown on Drawing No. C871/1, presented in Appendix A of this report.

2.2 Site Features.

The site is a roughly rectangular shaped piece of land with the long axis trending north-east to south-west.

The majority of the site is occupied by a disused chicken shed, constructed primarily from breeze block walls and corrugated metal roof. The building is in a poor state of repair. This building fronts onto an access track which runs to the east of the site, and serves Moorgate Cottage, which is located approximately 75m to the north of the site.

External to this building are relatively flat areas of subsoil and gravel surface on which a number of stockpiles of subsoil are located. Part of the northern and western boundaries have been subject to cut earthworks, to achieve the current levels, which have exposed the natural subsoils in the resultant cut faces.

The site is secured to all boundaries by a wooden fence. The site is bounded to all sides by primarily agricultural land.

A set of site condition photographs have been retained by G&M for inspection if required. However, a selection of photographs taken during the walkover survey are presented in Appendix C of this report.

3.0 SITE HISTORY.

A GroundSure report was commissioned, as part of this investigation, in order to review the environmental and regulatory information for the site and the immediate surrounding area. A copy of the report is presented in Appendix B of this report. A summary of the findings of the report and the general setting of the site is described in the following sections.

The GroundSure report contains historical Ordnance Survey maps which have been reviewed. Below is a summary of the salient points relating to the history of the site, dated from 1851. It is not the intention of this report to describe, in detail, all the changes that have occurred on or adjacent to the site, only those pertinent to the proposed development. This approach is intended to reduce uncertainty in the desk study review process to an acceptable level in line with BS10175:2011+A2:2017.

Date (Scale)	Site Usage	Surrounding Area Usage
1851 (1:10,560) County Series	Site shown to be undeveloped and likely agricultural land	- Surrounding areas undeveloped and likely farmland - A series of wells are shown to the north-west, north-east, east and south of the site, the closest well is shown 20m to the north east of the site - A footpath running north-south is shown 10m to the east of the site - Gristlehurst Moor Gate (probable farm) is shown 90m to the north of the site - Gristlehurst (probable farm) is shown 250m to the east of the site - A culvert is shown 100m to the south of the site “Rochdale Bamford And Bury” road runs from east to west, 100m south of the site “Tack Lee Brook” is shown 380m to the south-west of the site - Sandstone Quarry’s are shown 630m to the north-east of the site, 650m to the east, and 700m to the south-east
1890-1891 (partial) & 1891 (partial) (1:10,560) & 1890 (1:2,500) County Series	No significant change	- Waggon & Horses Beer House is shown 180m to the south-west of the site - Reference to sandstone quarries has been removed, or named as “Old Quarry” - Reservoirs are shown 420m to the north-west of the site and 550m to the west - Bleach Works are shown 530m to the west of the site - Reference to wells is removed
1908-1909 (1:10,560), & 1930 (1:2,500) County Series	No significant change	- Wind Pump noted 190m to the east of the site - Channel with sloped sides shown 100m to the west of the site - Road to the south of site now known as “Bury Old Road” “Bird i’ th’ Hand” public house is shown 300m to the south east of the site “Infectious Diseases Hospital (Heywood Corporation)” shown 420m to the south-east of the site “Filter Beds (Heywood Corporation)” shown 400m to the south-east of the site
1928 & 1938 (1:10,560) & 1930 & 1937 (1:2,500) County Series	No significant change	- Pump is shown 20m to the north-east of the site - Gravel pit is shown 170m to the south-east of the site - Development of residential properties 110m to the south of the site - Reference to Infectious Diseases Hospital is removed
1956 & 1967-1968 (1:10,560) Provisional & 1963 (1:2,500) National Grid	No significant change.	- Reference to gravel pit has been removed - Bleach Works now known as “Works” - Reference to Filter Beds is removed

1976 (1:2,500) National Grid	No significant change	No significant change
1983-1987 (1:10,560) National Grid	No significant change	No significant change
1992 (1:2,500) National Grid	- No building is shown to on the north-eastern side of the site - Part of another building is shown on the southern extent of the site, extending beyond the southern boundary of the site	Garage is shown 180m to the south-east of the site
2001 (1:10,000) National Grid & 2003 (1:1,250) LandLine	Additional small building shown on the eastern extent of the site	No significant change
2010 & 2015 & 2025 (1:10,000) National Grid	No significant change	No significant change

4.0 ENVIRONMENTAL SETTING.

4.1 Published Geology

Maps/publications referenced	1:50,000, Sheet 85 (Manchester) Bedrock and Superficial Edition 2011 BGS online Geoindex interactive map. Groundsure Report Ref: GS-Z84-U7P-CHM-I88
Drift Geology	Glaciofluvial Deposits, Devensian Sand And Gravel
Solid Geology	Pennine Lower Coal Measures Formation – Mudstone, Siltstone and Sandstone - Westphalian age
Dip	10deg to the south
Faults	1No Fault shown 21m to the west of the site – described as “Fault, inferred, crossmark on the downthrow side throw in metres”. Downthrow is to the east, no throw measurement shown.

4.2 GroundSure GeolInsight

The GroundSure report contains a GeolInsight report, this presents the published geology, as detailed above together with a risk assessment on potential geological hazards. All risks identified as less than moderate are not discussed further. All identified natural hazard risks at the site are deemed to be very low or negligible.

4.3 Hydrology

The site is not shown to be located on a Flood Zone 2 and Flood Zone 3 area.

According to the GroundSure report, there are 5No surface water features within 250m of the site. The nearest is 101m to the west of the site and is detailed as an “inland river not influenced by normal tidal action” and the “watercourse contains water year round (in normal circumstances)”.

The highest risk posed to the site from ‘*Surface Water Flooding*’ according to the GroundSure Report is highlighted to be “*1 in 30 year, 0.1m – 0.3m (within 50m)*’. According to the GroundSure Report, the risk posed to the site by groundwater flooding is ‘*Moderate (on site and within 50m)*’. There are no recorded ‘Historical Flood Events’ recorded within 250m of site.

There are no surface water abstractions shown within 250m of the site.

The site is identified to lie within the catchment of '*Roch (Spodden to Irwell)*' in the operational catchment of the '*Roch Irk Medlock*'.

The site is not shown to be within a "*Nitrate Sensitive Area*" or a "*Nitrate Vulnerable Zone*".

4.4 Hydrogeology

Information provided by the EA indicates that the underlying bedrock geology (Pennine Lower Coal Measures Formation – Mudstone, Siltstone And Sandstone) is classified as 'Secondary A', which is defined as having;

'Permeable layers capable of supporting water supplies at a local scale rather than strategic scale, and in some cases forming an important base flow to rivers. These are generally aquifers formally classified as minor aquifers'

The site is not shown to be within a defined Source Protection Zone.

There are no groundwater abstractions shown within 250m of the site.

The GroundSure Report identifies that the site is positioned within an area where Groundwater Vulnerability for the bedrock geology is '*Low*'.

4.5 Mining and Quarrying

According to the MRA interactive map (<https://datamine-cauk.hub.arcgis.com>) the site does not lie within a 'development high risk area'.

The GroundSure Report indicates there 5No records relating to 'Surface Ground Workings' within 250m of the site. The closest is shown 168m south-east of the site and is referenced as 'Gravel Pit'

4.6 Radon

The GroundSure report contains information on Radon Affected Areas as defined by the Health Protection Agency (HPA) and indicates that:

- "The site is in a Radon Affected Area, where less than 1% of properties are above the Action Level".
- "**No** radon protective measures are necessary".

4.7 Additional Environmental Information

The GroundSure report, presented in Appendix B, also contains information on other potential pollution sources on and off site, a summary of these are presented below together with recommendations for further consideration.

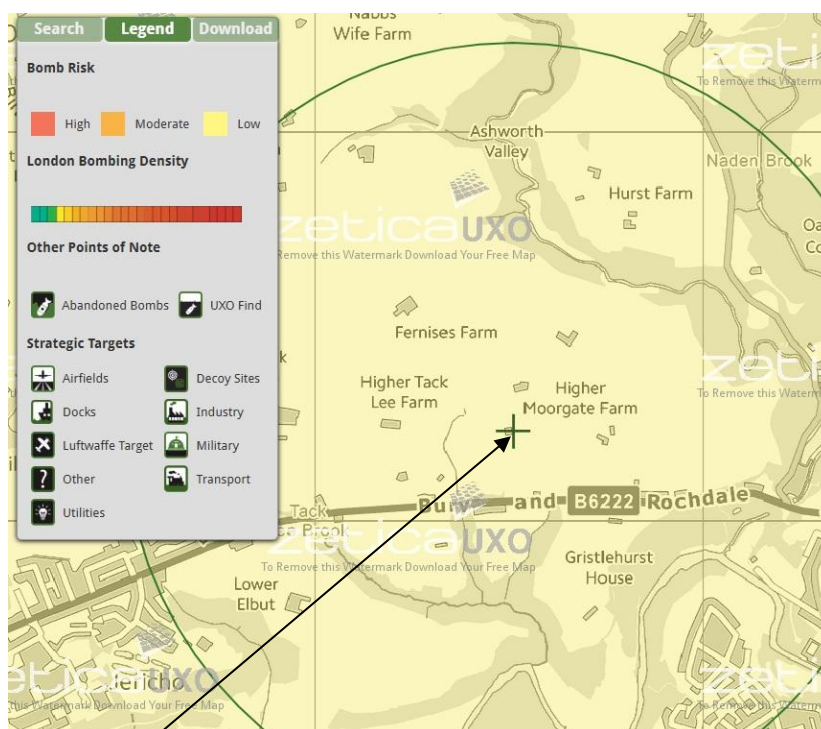
Source	Location	Discussion	Does source warrant further consideration
Historic Tanks	On site	None identified	No
	Within 250m	1No shown, 210m to the east and referenced as 'unspecified tank' on the OS maps dated 1910, 1930, 1937 and 1963	
Historic Energy Facilities	On site	None identified	

Source	Location	Discussion	Does source warrant further consideration
	Within 250m	1No shown 184m to the south-east and referenced as 'electricity substation' on the OS map dated 1992	No
Petrol and Fuel sites	On site	None identified	No
	Within 250m		
Garage/Motor Vehicle Repair	On site	None identified	No
	Within 250m	2No shown, the closest is located 169m south-east of the site, present on OS mapping in 1992	
Environmental permits/incidents/registers	On site	None identified	No
	Within 250m		
Licenced/Permitted/Authorised industrial sites	On site	None identified	No
	Within 250m		
Part A1/IPC Authorisations	On site	None identified	No
	Within 250m		
Red List discharge consents	On site	None identified	No
	Within 250m		
Dangerous substances	On site	None identified	No
	Within 250m		
A2/Part B Activities/Enforcements	On site	None identified	No
	Within 250m		
Radioactive substances	On site	None identified	No
	Within 250m		
Licenced Discharge Consents	On site	None identified	No
	Within 250m		
Water Industry Referrals	On site	None identified	No
	Within 250m		
Hazardous Substances	On site	None identified	No
	Within 250m		
Pollution Incidents	On site	None identified	No
	Within 250m		
Historic Landfill/Waste Sites	On site	None identified	No
	Within 250m		

Source	Location	Discussion	Does source warrant further consideration
Waste treatment, transfer or disposal sites	On site	None identified	No
	Within 250m		
Underground cables/pipelines	On site	None identified	No
	Within 500m		
Recent Industrial Sites Data	On site	None identified	No
	Within 250m	3No shown, the closest is 175m to the south-east and is recorded as an 'Electricity Substation'.	

4.8 Unexploded Ordnance

Area shown to be within a low risk zone. The risk map taken from available information provided by Zetica Ltd, is shown below.



The Site

5.0 PRELIMINARY CONCEPTUAL SITE MODEL.

5.1 Introduction

The findings of the desk study have been used to identify and assess potential sources of contamination and to develop a preliminary conceptual model of the site in order to investigate potential pollution linkages and identify complete pollutant linkages that may require further investigation or analysis and/or remediation. This approach is in line with the principals of Land Contamination Risk Management (LCRM) - Environment Agency July 2023.

The scope of the model is intended primarily to identify potential impacts to human health and environmental receptors from potential on-site and off-site contamination sources.

Source-Pathway-Receptor elements within the model are defined as follows:

Contaminant Source	A hazardous substance or agent, present at levels that have the potential to cause harm or damage a receptor.
Receptor	An entity (human, aquatic environment, flora and fauna etc) that is vulnerable to the adverse effects of the contaminant.
Pathway	The means by or through which a contaminant comes into contact with or otherwise effects a receptor.

Where all three elements are present, the relationship is termed a complete 'pollution linkage'. It should be recognised that for a health or environmental harm to occur and for potential unacceptable risk to exist, all three elements of the relationship or linkage must be present.

The purpose of the site-specific conceptual model is to support:

1. Hazard assessment – analysis of the potential for unacceptable risk: pathways and receptors that could be present.
2. Risk estimation – a prediction of the magnitude and probability of the possible consequences of any exposure: what degree of harm may result and the likelihood of harm.
3. Risk evaluation – decision as to whether a risk is unacceptable.

It should be noted that if a potential contaminant source is identified but there is no receptor present that can be adversely affected, no harm or damage can arise. Similarly, even where both a contaminant and a receptor are present, no harm or damage will occur if there is no pathway by or through which a linkage between the two can be established and therefore a risk may be acceptable.

In assessing risk, the categorisation shown below has been developed. The table is intended to be an aid to assessing the degree of risk. It should be noted that in terms of Part 2A of the Environmental Protection Act 1990 (as amended) there is no differing degree of risk. It is either 'significant' or not.

Term	Description
Very High Risk	There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action
High Risk	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action
Moderate Risk	It is possible that without appropriate remedial action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild.

Term	Description
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst, if any harm was realised any effects would be mild.
Negligible Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

5.2 Assessment of Potential Sources of Contamination

Potential sources of contamination have been assessed which include both current and historical on-site sources together with those originating from off-site locations which may migrate onto the site.

The majority of the site is occupied by a disused chicken shed, constructed primarily from breeze block walls and corrugated metal roof. The building is in a poor state of repair. This building fronts onto an access track which runs to the east of the site, and serves Moorgate Cottage, which is located approximately 75m to the north of the site. External to this building are relatively flat areas of subsoil and gravel surface on which a number of stockpiles of subsoil are located. Part of the northern and western boundaries have been subject to cut earthworks, to achieve the current levels, which have exposed the natural subsoils in the resultant cut faces.

Historical maps indicate that the site had been developed with 3No buildings/structures since at least 1992.

Little past or current industrial activity is recorded in the immediate surrounding area, nor does not appear to have been host to any recorded significant contaminative activities, the risk to the site from identified potential sources of contamination can be considered 'low'.

5.3 Potential Receptors

The following potential receptors have been identified for the site:

Receptor	Details
Human Receptors	Future site occupiers
	Construction workers
Controlled Waters	Pennine Lower Coal Measures Formation – Mudstone, Siltstone And Sandstone (Secondary A)
Built Development	Building foundations/substructures and utility connections.

5.4 Potential Pathways

Taking into account the intended use of the site, the following potential pathways by which the above receptors and sources may be linked as follows;

Receptor	Pathway
Human (Future site users, construction workers)	Ingestion of soil/soil dust Dermal contact with soil/soil dust Indoor/outdoor inhalation of gases

Controlled Waters	Percolation and mobilisation of contaminants within any shallow soils into the groundwater.
Built Development	Direct contact with aggressive ground conditions via migration and/or percolation out of the ground

5.5 Qualitative Risk Assessment

The findings of the desk study, and source receptor pathway analyses, have been accounted for and assessed in the conceptual model presented below. The purpose of the model is to determine the potential linkage(s) existing on the site, and the likelihood of the linkage being present and determining a consequent level of risk.

Preliminary Conceptual Site Model

Source	Risk	Potential Contaminants	Likely Exposure Pathway/s	Receptor/s	Probability Assessment**
Made Ground (On-site)	Low	Inorganic and organic contaminants	Skin contact Ingestion	End users (residential) and construction workers	Low Likelihood – site has been undeveloped until 1992, when 2/3No. unknown use buildings/structures appear on the site. Made ground possible on site considering previous uses of site.
	Low	Inorganic and organic contaminants	Leaching/migration of contaminants through soil	Controlled waters	
	Low	Vapours and fumes from hydrocarbons	Inhalation	End users (residential)	Disused chicken shed present on site in poor state of repair observed during the walkover
	Low	Hydrocarbons	Water supply pipes	Built Development	Proposed development likely to include soft landscaping/gardens – Sensitive receptor.
	Low	Asbestos	Inhalation	End users (residential) and construction workers	Low Likelihood – considering the age of the structures on site, although their usage is unknown (with the exception of the chicken shed), it could be possible that asbestos containing materials (ACMs) are present on site within any made ground.
Made Ground & Natural Soils (On site)	Negligible/Low	Ground Gas	Inhalation / explosions risk in confined spaces.	End users (residential) and built development	Unlikely – Site not shown to be underlain by organic rich soils, likely to generate CO ₂ . Limited made ground likely to be present on site, unlikely to contain any putrescible materials. Site not shown to be underlain by shallow coal workings, which can provide pathways and creation of ground gas.
Made Ground (off site)	Low/Negligible	Mobile inorganic/ organic contaminants associated with former off-site uses	Skin contact Ingestion Inhalation	End users (residential) and built Development	Unlikely – No evidence of any significant former or current industrial activity in the immediate environs of the site, likely to give rise to mobile contaminants.

** Definitions and Classifications of Risk Assessment Terminology presented in Appendix D of this report

The preliminary conceptual site model has identified potential complete pollutant linkages that are considered to require further risk assessment and investigation.

6.0 CONCLUSIONS AND RECOMMENDATIONS.

G&M Consulting Ltd (G&M) was commissioned by JHA Pulmann Ltd, to undertake a preliminary investigation (desk study) of land south of Higher Moorgate Cottage, Rochdale, Lancashire. It is understood that approval is being sought for the development of the site with a single residential dwelling. This report has been commissioned to support the discharge of any contaminated land conditions associated with an approval.

The proposed development is shown on Drawing No M26/005/101 A2, dated February 2026, prepared by JHA Pulman Ltd. A copy of this drawing is presented in Appendix A of this report.

The site is not shown to be located within a Flood Zone 2 or Flood Zone 3 area.

The highest risk posed to the site from '*Surface Water Flooding*' according to the GroundSure Report is highlighted to be '*1 in 30 year, 0.1m – 0.3m (within 50m)*'. According to the GroundSure Report, the risk posed to the site by groundwater flooding is '*Moderate (on site and within 50m)*'.

There are no recorded 'Historical Flood Events' recorded within 250m of site.

According to the GroundSure report, there are 5No surface water features within 250m of the site. The nearest is 101m to the west of the site and is detailed as an "inland river not influenced by normal tidal action" and the "watercourse contains water year round (in normal circumstances)".

The site is not shown to be within a Source Protection Zone.

Records indicate the site is shown to be underlain by the solid geology of the Pennine Lower Coal Measures Formation – Mudstone, Siltstone and Sandstone

According to the MRA interactive map (<https://datamine-cauk.hub.arcgis.com>) the site does not lie within a 'development high risk area'.

The site is a roughly rectangular shaped piece of land with the long axis trending north-east to south-west.

The majority of the site is occupied by a disused chicken shed, constructed primarily from breeze block walls and corrugated metal roof. The building is in a poor state of repair. This building fronts onto an access track which runs to the east of the site, and serves Moorgate Cottage, which is located approximately 75m to the north of the site. External to this building are relatively flat areas of subsoil and gravel surface on which a number of stockpiles of subsoil are located. Part of the northern and western boundaries have been subject to cut earthworks, to achieve the current levels, which have exposed the natural subsoils in the resultant cut faces. The site is secured to all boundaries by a wooden fence. The site is bounded to all sides by primarily agricultural land.

Historical maps indicate that the site had been developed with up to 3No. buildings/structures since at least 1992.

Little past or current industrial activity is recorded in the immediate surrounding area, nor does not appear to have been host to any recorded significant contaminative activities, the risk to the site from identified potential sources of contamination can be considered '**low/negligible**'.

The risk of ground gas affecting the site is considered **unlikely**, for the following reasons; No historical or current landfills within 250m of the site, the site is not shown to be underlain by organic rich soils, likely to generate CO₂. Limited made ground is likely to be present on site and is unlikely to contain any putrescible materials. The site is not shown to be underlain by shallow coal workings, which can provide pathways and creation of ground gas.

Radon protection measures are **not** shown to be required for any new build properties at the site.

The preliminary conceptual site model does indicate plausible potential complete pollutant linkages, associated with the former/current uses of the site, that require further assessment and/or investigation.

The risks outlined above necessitate a Phase 2 intrusive ground investigation, the outline scope of which should comprise;

- A series of machine excavated trial pits should be excavated across the site, to adequately characterise and possible made ground and natural soils in the areas of proposed soft landscaping.
- In-field soil sampling and screening (utilising a Photo Ionisation Detector (PID)), to assess the likelihood of any hydrocarbon impacted soils.
- Soil samples should be collected in appropriate containers and subject to chemical soil analysis including, asbestos screen tests, as well as a range of testing suites including, metals, pH, phenol, speciated TPHs, speciated PAHs.
- Compilation of the data gathered during the Phase 2 site investigation into an interpretive report, with the preparation of a Remediation Strategy, if necessary.

The conclusions and recommendations presented above are considered practical based on the findings of this report. However, they cannot however be guaranteed to gain regulatory approval, and therefore this report should be submitted to the regulators for their comment/approval as part of the planning process and before any development work takes place.

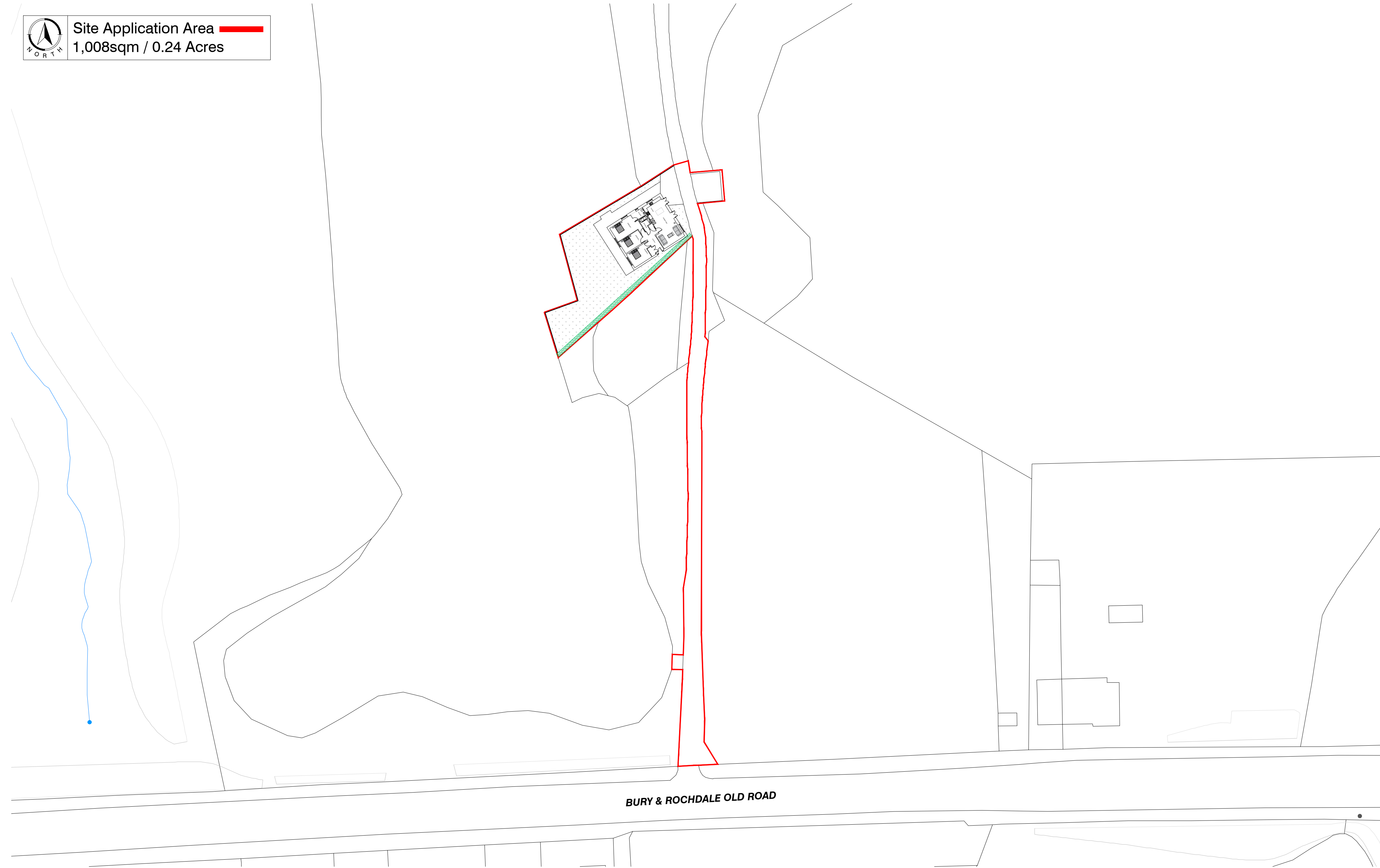


APPENDIX A

DRAWINGS



Site Application Area 
1,008sqm / 0.24 Acres



BURY & ROCHDALE OLD ROAD

- PLEASE NOTE
- DO NOT scale from this drawing, use figured dimensions only.
 - All dimensions to be checked on site by the contractor.
 - Please report any discrepancies to JHA Ltd immediately.
 - All setting out dimensions are approximate. To be marked out on site for approval by JHA Ltd prior to construction.

NOTES:

*	**/**/**	Description of Revision	***
Ref	Date	Revision	Initial

Project / Client:

PROPOSED SINGLE STOREY DWELLING
AT
MOORGATE COTTAGE, ROCHDALE
OL10 4BJ
FOR
MR & MRS TALBOT

Issue:

PLANNING ISSUE

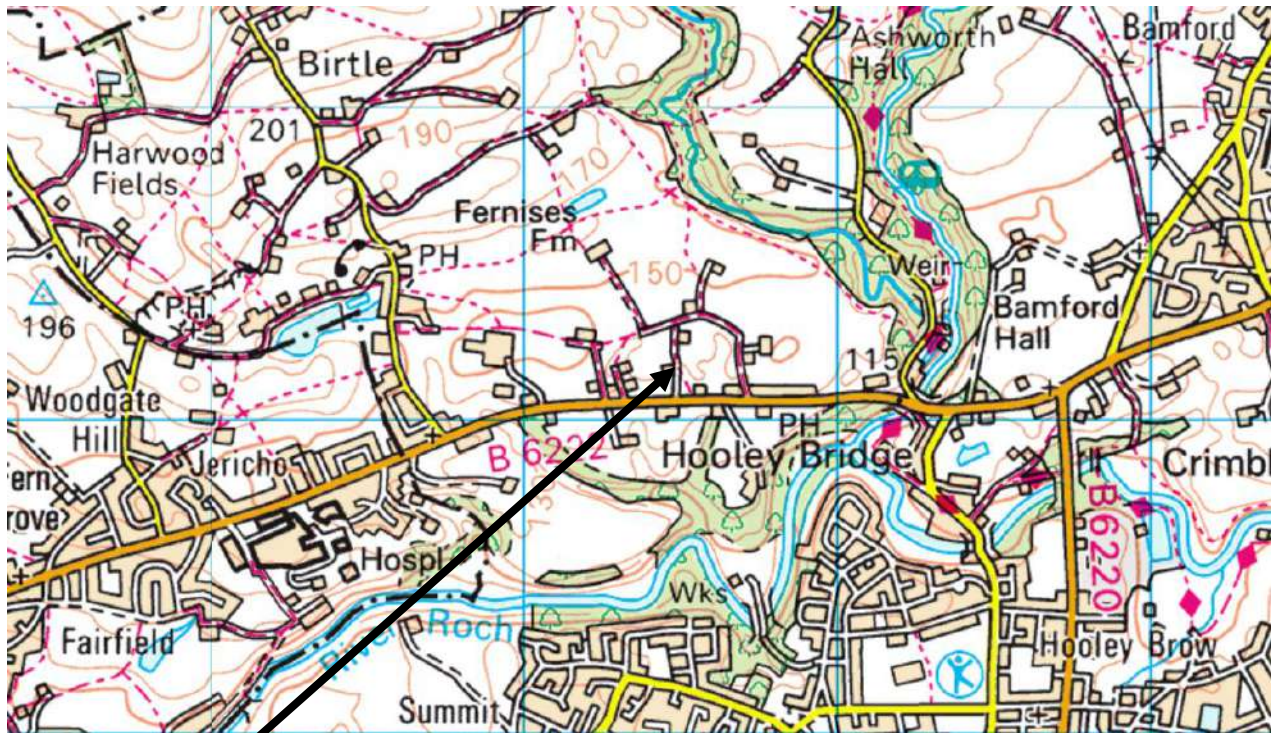
Drawing Title:

PROPOSED SITE PLAN



JHA Pulmann,
18A Bridge Street
Milnrow, Rochdale,
OL16 3ND
 01302 364565
 enquiries@j-h-a.co.uk
 www.j-h-a.co.uk

Scale:	1:500	Date:	FEB 2026
Drawn By:	JA	Checked By:	XXX
Drawing No:	M26/005/101	Sheet Size:	A2



The Site

Site Location Plan

Drawing No C871/1

Map reproduced from Ordnance Survey. On behalf of the
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APPENDIX B

GROUNDSURE DOCUMENTS

CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ

Order Details

Date: 17/02/2026
Your ref: C871
Our Ref: GS-Z84-U7P-CHM-I88

Site Details

Location: 384478 412159
Area: 0.07 ha
Authority: [Rochdale Metropolitan Borough Council](#)
↗

Site plan



Quick Links

[Summary of findings](#) [p. 2 >](#)
[OS MasterMap site plan](#) [p.14 >](#)
[Aerial image](#) [p. 9 >](#)

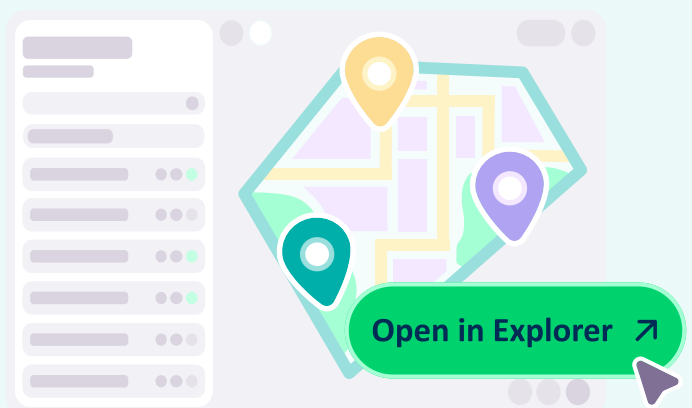
[Insight User Guide](#) ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

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

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



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	3	22	-
17 >	1.2 >	Historical tanks >	0	0	4	7	-
17 >	1.3 >	Historical energy features >	0	0	1	0	-
18	1.4	Historical petrol stations	0	0	0	0	-
18 >	1.5 >	Historical garages >	0	0	1	0	-
18	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
19 >	2.1 >	Historical industrial land uses >	0	0	5	30	-
21 >	2.2 >	Historical tanks >	0	0	4	13	-
22 >	2.3 >	Historical energy features >	0	0	1	0	-
22	2.4	Historical petrol stations	0	0	0	0	-
22 >	2.5 >	Historical garages >	0	0	2	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	0	1	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
25 >	3.7 >	Waste exemptions >	0	0	0	3	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
26 >	4.1 >	Recent industrial land uses >	0	0	3	-	-
27	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
27	4.3	Current or recent petrol stations	0	0	0	0	-
27	4.4	Electricity cables	0	0	0	0	-
27	4.5	Gas pipelines	0	0	0	0	-



27	4.6	Sites determined as Contaminated Land	0	0	0	0	-
28	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
28	4.8	Regulated explosive sites	0	0	0	0	-
28	4.9	Hazardous substance storage/usage	0	0	0	0	-
28	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
28	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
29	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
29	4.13	Radioactive Substance Authorisations	0	0	0	0	-
29	4.14	Licensed Discharges to controlled waters	0	0	0	0	-
29	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
29	4.16	Pollutant release to public sewer	0	0	0	0	-
30	4.17	List 1 Dangerous Substances	0	0	0	0	-
30	4.18	List 2 Dangerous Substances	0	0	0	0	-
30 >	4.19 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	0	11	-
32	4.20	Pollution inventory substances	0	0	0	0	-
32	4.21	Pollution inventory waste transfers	0	0	0	0	-
32	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
33 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
35 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
36 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
37	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
37	5.5	Groundwater vulnerability- local information	None (within 0m)				
38 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	2	19
44 >	5.7 >	<u>Surface water abstractions ></u>	0	0	0	0	16
48	5.8	Potable abstractions	0	0	0	0	0
48	5.9	Source Protection Zones	0	0	0	0	-
48	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m

49 >	6.1 >	Water Network (OS MasterMap) >	0	0	9	-	-
50 >	6.2 >	Surface water features >	0	0	5	-	-
51 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
51 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
51 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
53	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
53	7.2	Historical Flood Events	0	0	0	-	-
53	7.3	Flood Defences	0	0	0	-	-
54	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
54	7.5	Flood Storage Areas	0	0	0	-	-
55	7.6	Flood Zone 2	None (within 50m)				
55	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
56 >	8.1 >	Surface water flooding >	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding >					
58 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
59	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
60	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
60	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
60	10.4	Special Protection Areas (SPA)	0	0	0	0	0
60	10.5	National Nature Reserves (NNR)	0	0	0	0	0
61	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
61 >	10.7 >	Designated Ancient Woodland >	0	0	2	3	21
62	10.8	Biosphere Reserves	0	0	0	0	0
62	10.9	Forest Parks	0	0	0	0	0
63	10.10	Marine Conservation Zones	0	0	0	0	0
63 >	10.11 >	Green Belt >	1	0	0	0	3

63	10.12	Proposed Ramsar sites	0	0	0	0	0
63	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
64	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
64	10.15	Nitrate Sensitive Areas	0	0	0	0	0
64	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
65 >	<u>10.17 ></u>	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
66	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
67	11.1	World Heritage Sites	0	0	0	-	-
67	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
67	11.3	National Parks	0	0	0	-	-
67	11.4	Listed Buildings	0	0	0	-	-
68	11.5	Conservation Areas	0	0	0	-	-
68	11.6	Scheduled Ancient Monuments	0	0	0	-	-
68	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
69 >	<u>12.1 ></u>	<u>Agricultural Land Classification ></u>	Grade 4 (within 250m)				
70	12.2	Open Access Land	0	0	0	-	-
70	12.3	Tree Felling Licences	0	0	0	-	-
70	12.4	Environmental Stewardship Schemes	0	0	0	-	-
70	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
71 >	<u>13.1 ></u>	<u>Priority Habitat Inventory ></u>	0	0	5	-	-
72 >	<u>13.2 ></u>	<u>Habitat Networks ></u>	0	0	1	-	-
72	13.3	Open Mosaic Habitat	0	0	0	-	-
72	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
73 >	<u>14.1 ></u>	<u>10k Availability ></u>	Identified (within 500m)				
74 >	<u>14.2 ></u>	<u>Artificial and made ground (10k) ></u>	0	0	4	2	-

76 >	14.3 >	Superficial geology (10k) >	1	0	3	3	-
77	14.4	Landslip (10k)	0	0	0	0	-
78 >	14.5 >	Bedrock geology (10k) >	1	1	1	9	-
79 >	14.6 >	Bedrock faults and other linear features (10k) >	0	1	1	2	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
80 >	15.1 >	50k Availability >	Identified (within 500m)				
81	15.2	Artificial and made ground (50k)	0	0	0	0	-
81	15.3	Artificial ground permeability (50k)	0	0	-	-	-
82 >	15.4 >	Superficial geology (50k) >	1	0	3	2	-
83 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
83	15.6	Landslip (50k)	0	0	0	0	-
83	15.7	Landslip permeability (50k)	None (within 50m)				
84 >	15.8 >	Bedrock geology (50k) >	1	1	1	5	-
85 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
85 >	15.10 >	Bedrock faults and other linear features (50k) >	0	1	1	2	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
86 >	16.1 >	BGS Boreholes >	0	0	10	-	-
Page	Section	Natural ground subsidence >					
88 >	17.1 >	Shrink swell clays >	Negligible (within 50m)				
89 >	17.2 >	Running sands >	Very low (within 50m)				
90 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
91 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
92 >	17.5 >	Landslides >	Very low (within 50m)				
93 >	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
95	18.1	BritPits	0	0	0	0	-
96 >	18.2 >	Surface ground workings >	0	0	5	-	-
96 >	18.3 >	Underground workings >	0	0	0	0	7
97	18.4	Underground mining extents	0	0	0	0	-



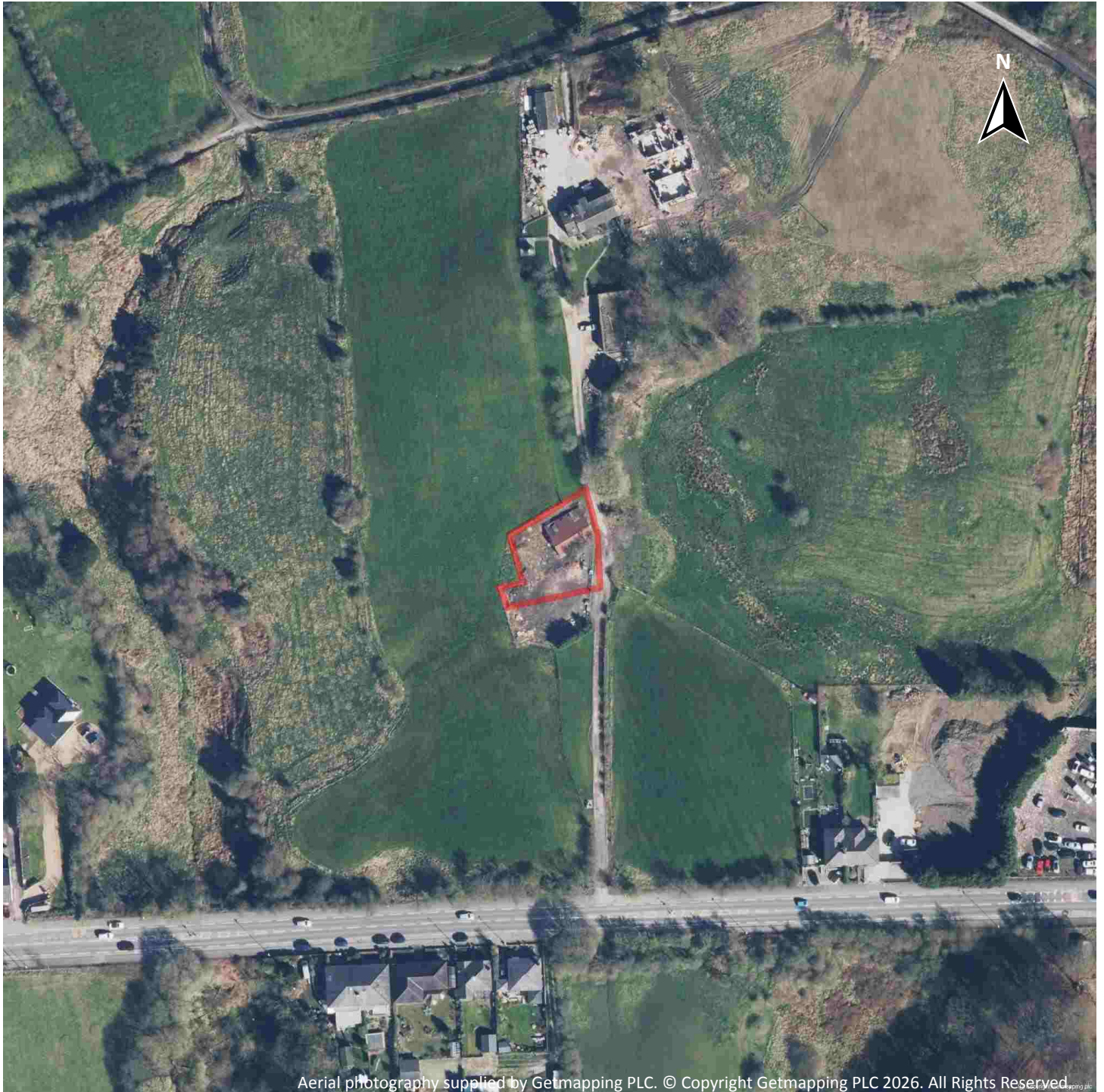
97	18.5	Historical Mineral Planning Areas	0	0	0	0	-
97	18.6	Non-coal mining	0	0	0	0	0
97	18.7	JPB mining areas	None (within 0m)				
97	18.8	The Coal Authority non-coal mining	0	0	0	0	-
98	18.9	Researched mining	0	0	0	0	-
98	18.10	Mining record office plans	0	0	0	0	-
98	18.11	BGS mine plans	0	0	0	0	-
98 >	18.12 >	Coal mining >	Identified (within 0m)				
99	18.13	Brine areas	None (within 0m)				
99	18.14	Gypsum areas	None (within 0m)				
99	18.15	Tin mining	None (within 0m)				
99	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
100	19.1	Natural cavities	0	0	0	0	-
100	19.2	Mining cavities	0	0	0	0	0
100	19.3	Reported recent incidents	0	0	0	0	-
100	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
102 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	1	-	-	-
104	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
104	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
105	22.1	Underground railways (London)	0	0	0	-	-
105	22.2	Underground railways (Non-London)	0	0	0	-	-
105	22.3	Railway tunnels	0	0	0	-	-
105	22.4	Historical railway and tunnel features	0	0	0	-	-
105	22.5	Royal Mail tunnels	0	0	0	-	-



106	22.6	Historical railways	0	0	0	-	-
106	22.7	Railways	0	0	0	-	-
106	22.8	Crossrail 2	0	0	0	0	-
106	22.9	HS2	0	0	0	0	-



Recent aerial photograph

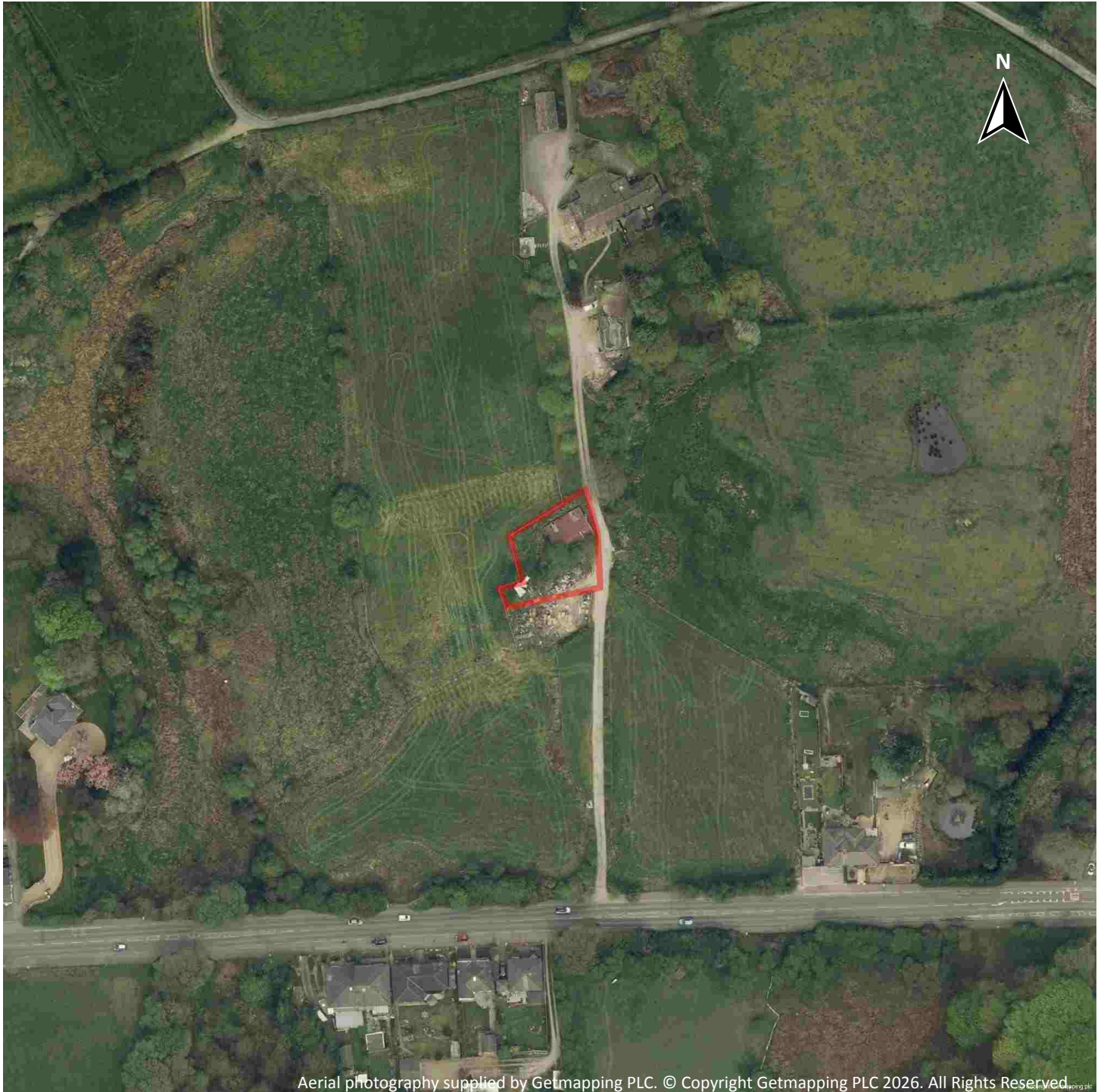


Capture Date: 07/04/2023

Site Area: 0.07ha



Recent site history - 2019 aerial photograph



Capture Date: 23/05/2019

Site Area: 0.07ha



Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 0.07ha

Recent site history - 2000 aerial photograph



Capture Date: 19/06/2000

Site Area: 0.07ha



Recent site history - 1999 aerial photograph

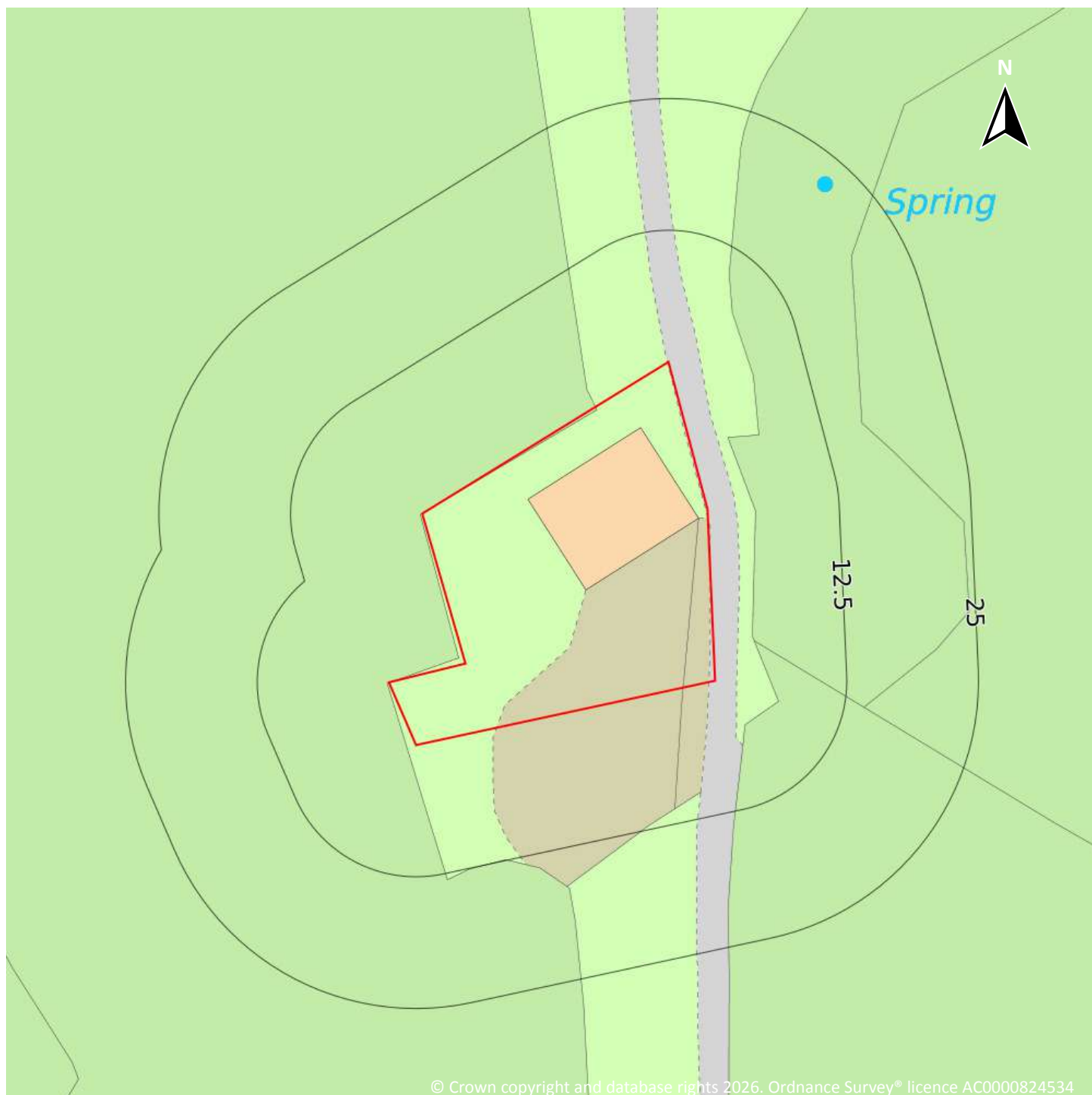


Capture Date: 10/09/1999

Site Area: 0.07ha



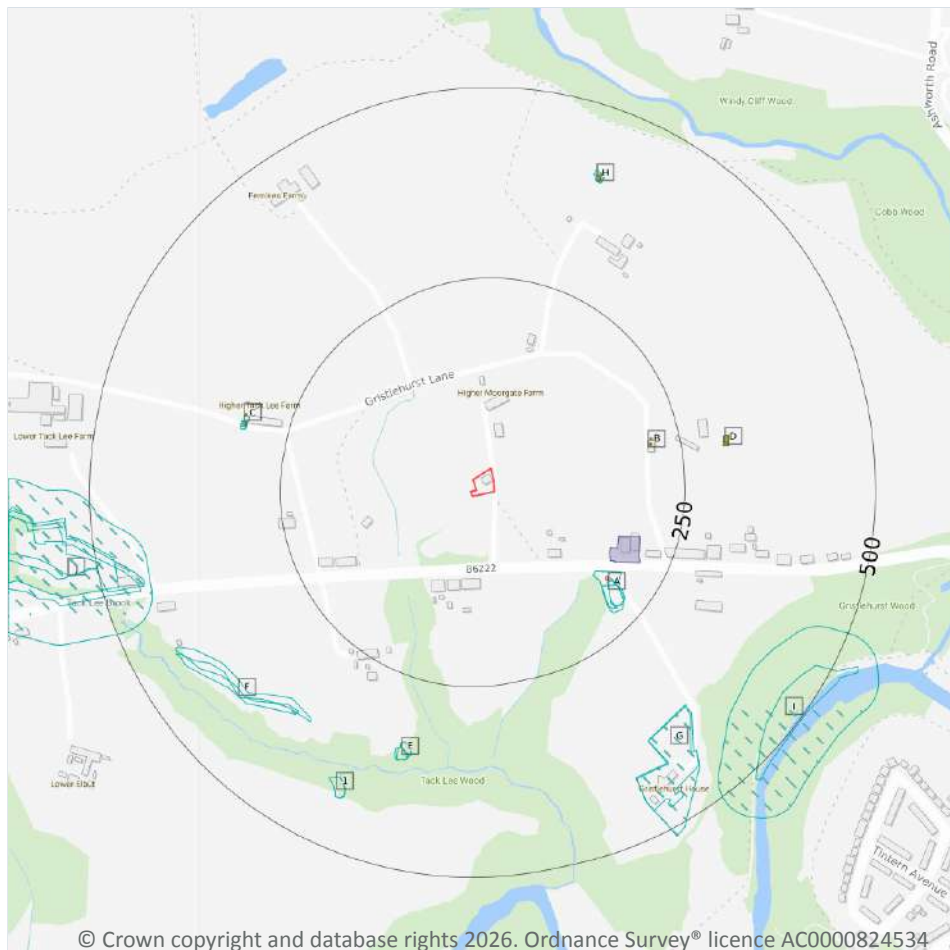
OS MasterMap site plan



Site Area: 0.07ha



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

25

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	168m SE	Gravel Pit	1956	768253



ID	Location	Land use	Dates present	Group ID
A	188m SE	Gravel Pit	1928 - 1938	715782
A	190m SE	Unspecified Pit	1967 - 1983	765593
C	304m W	Unspecified Tank	1956	798129
C	305m W	Unspecified Tank	1938	711243
C	306m W	Unspecified Tank	1908 - 1928	790113
D	306m E	Unspecified Tank	1928 - 1938	731993
D	306m E	Unspecified Tank	1956	777398
E	334m S	Unspecified Pit	1938 - 1956	707808
E	342m S	Unspecified Pit	1928	755755
F	356m SW	Unspecified Ground Workings	1967 - 1983	805806
F	363m SW	Unspecified Ground Workings	1956	736596
G	376m SE	Infectious Diseases Hospital	1908	673904
G	377m SE	Filter Beds	1938	685170
H	401m N	Unspecified Tank	1938	778484
H	402m N	Unspecified Tank	1908 - 1928	786328
H	407m N	Unspecified Tank	1956	778114
1	408m SW	Unspecified Pit	1928 - 1938	783640
I	412m SE	Filter Beds	1928	779124
J	435m W	Bleach Works	1938	741240
J	444m W	Bleach Works	1956	732908
J	451m W	Bleach Works	1908 - 1928	715476
I	461m SE	Filter Beds	1908	783683
J	476m W	Unspecified Works	1967 - 1983	739707
J	495m W	Bleach Works	1891	783662

This data is sourced from Ordnance Survey® / Groundsure.



1.2 Historical tanks

Records within 500m

11

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
B	210m E	Unspecified Tank	1930	96258
B	210m E	Unspecified Tank	1910	98553
B	210m E	Unspecified Tank	1937	102772
B	212m E	Unspecified Tank	1963	84875
D	305m E	Unspecified Tank	1910 - 1937	98876
C	306m W	Unspecified Tank	1910	107105
C	306m W	Unspecified Tank	1937	106323
D	306m E	Unspecified Tank	1963 - 1992	97291
C	309m W	Unspecified Tank	1930	90687
H	402m N	Unspecified Tank	1910 - 1937	100544
H	408m N	Unspecified Tank	1963 - 1992	100894

This data is sourced from Ordnance Survey® / Groundsure.

1.3 Historical energy features

Records within 500m

1

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
A	184m SE	Electricity Substation	1992	49229

This data is sourced from Ordnance Survey® / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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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	1
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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	169m SE	Garage	1963 - 1992	20683

This data is sourced from Ordnance Survey® / Groundsure.

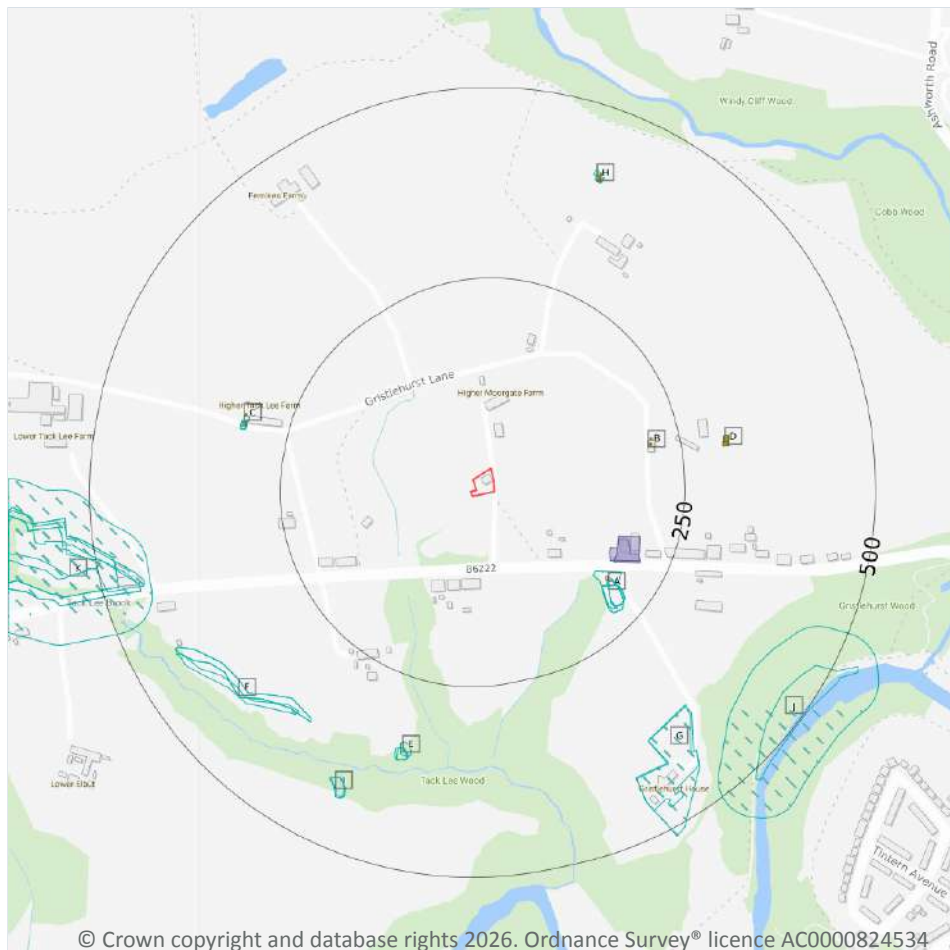
1.6 Historical military land

Records within 500m	0
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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



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

35

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 19](#) >

ID	Location	Land Use	Date	Group ID
A	168m SE	Gravel Pit	1956	768253
A	188m SE	Gravel Pit	1938	715782
A	188m SE	Gravel Pit	1928	715782



ID	Location	Land Use	Date	Group ID
A	190m SE	Unspecified Pit	1983	765593
A	190m SE	Unspecified Pit	1967	765593
C	304m W	Unspecified Tank	1956	798129
C	305m W	Unspecified Tank	1938	711243
C	306m W	Unspecified Tank	1928	790113
C	306m W	Unspecified Tank	1908	790113
D	306m E	Unspecified Tank	1938	731993
D	306m E	Unspecified Tank	1928	731993
D	306m E	Unspecified Tank	1956	777398
E	334m S	Unspecified Pit	1956	707808
E	342m S	Unspecified Pit	1938	707808
E	342m S	Unspecified Pit	1928	755755
F	356m SW	Unspecified Ground Workings	1983	805806
F	356m SW	Unspecified Ground Workings	1967	805806
F	363m SW	Unspecified Ground Workings	1956	736596
G	376m SE	Infectious Diseases Hospital	1908	673904
G	377m SE	Filter Beds	1938	685170
H	401m N	Unspecified Tank	1938	778484
H	402m N	Unspecified Tank	1928	786328
H	402m N	Unspecified Tank	1908	786328
H	407m N	Unspecified Tank	1956	778114
I	408m SW	Unspecified Pit	1938	783640
I	408m SW	Unspecified Pit	1928	783640
J	412m SE	Filter Beds	1928	779124
K	435m W	Bleach Works	1938	741240
K	444m W	Bleach Works	1956	732908
K	451m W	Bleach Works	1928	715476
K	451m W	Bleach Works	1908	715476



ID	Location	Land Use	Date	Group ID
J	461m SE	Filter Beds	1908	783683
K	476m W	Unspecified Works	1983	739707
K	476m W	Unspecified Works	1967	739707
K	495m W	Bleach Works	1891	783662

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m	17
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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 19 >](#)

ID	Location	Land Use	Date	Group ID
B	210m E	Unspecified Tank	1910	98553
B	210m E	Unspecified Tank	1930	96258
B	210m E	Unspecified Tank	1937	102772
B	212m E	Unspecified Tank	1963	84875
D	305m E	Unspecified Tank	1910	98876
D	305m E	Unspecified Tank	1930	98876
D	305m E	Unspecified Tank	1937	98876
C	306m W	Unspecified Tank	1910	107105
C	306m W	Unspecified Tank	1937	106323
D	306m E	Unspecified Tank	1992	97291
D	307m E	Unspecified Tank	1963	97291
C	309m W	Unspecified Tank	1930	90687
H	402m N	Unspecified Tank	1910	100544
H	402m N	Unspecified Tank	1930	100544
H	402m N	Unspecified Tank	1937	100544
H	408m N	Unspecified Tank	1992	100894



ID	Location	Land Use	Date	Group ID
H	410m N	Unspecified Tank	1963	100894

This data is sourced from Ordnance Survey® / Groundsure.

2.3 Historical energy features

Records within 500m	1
----------------------------	----------

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 19 >](#)

ID	Location	Land Use	Date	Group ID
A	184m SE	Electricity Substation	1992	49229

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	2
----------------------------	----------

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'.

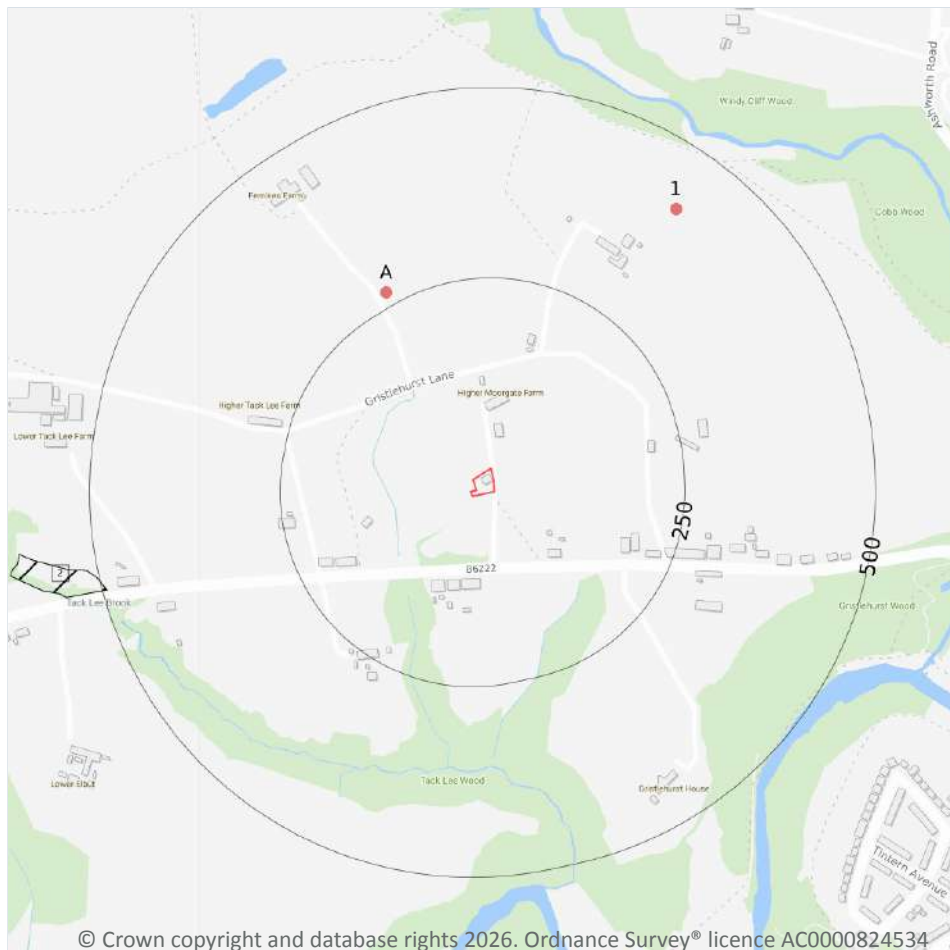
Features are displayed on the Past land use - un-grouped map on [page 19 >](#)

ID	Location	Land Use	Date	Group ID
A	169m SE	Garage	1992	20683
A	174m E	Garage	1963	20683

This data is sourced from Ordnance Survey® / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

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 23 >](#)

ID	Location	Details		
2	494m W	Site Address: Bury And Rochdale Old Road, Birtle Licence Holder Address: -	Waste Licence: Yes Site Reference: RD/LIC/153/78 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 02/07/1979 Licence Surrender: 06/11/1985	Operator: - Licence Holder: Tack Lea Works Limited First Recorded 31/12/1971 Last Recorded: 31/12/1980

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

3.5 Historical waste sites

Records within 500m

0

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

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

3.6 Licensed waste sites

Records within 500m

0

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

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



3.7 Waste exemptions

Records within 500m

3

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.

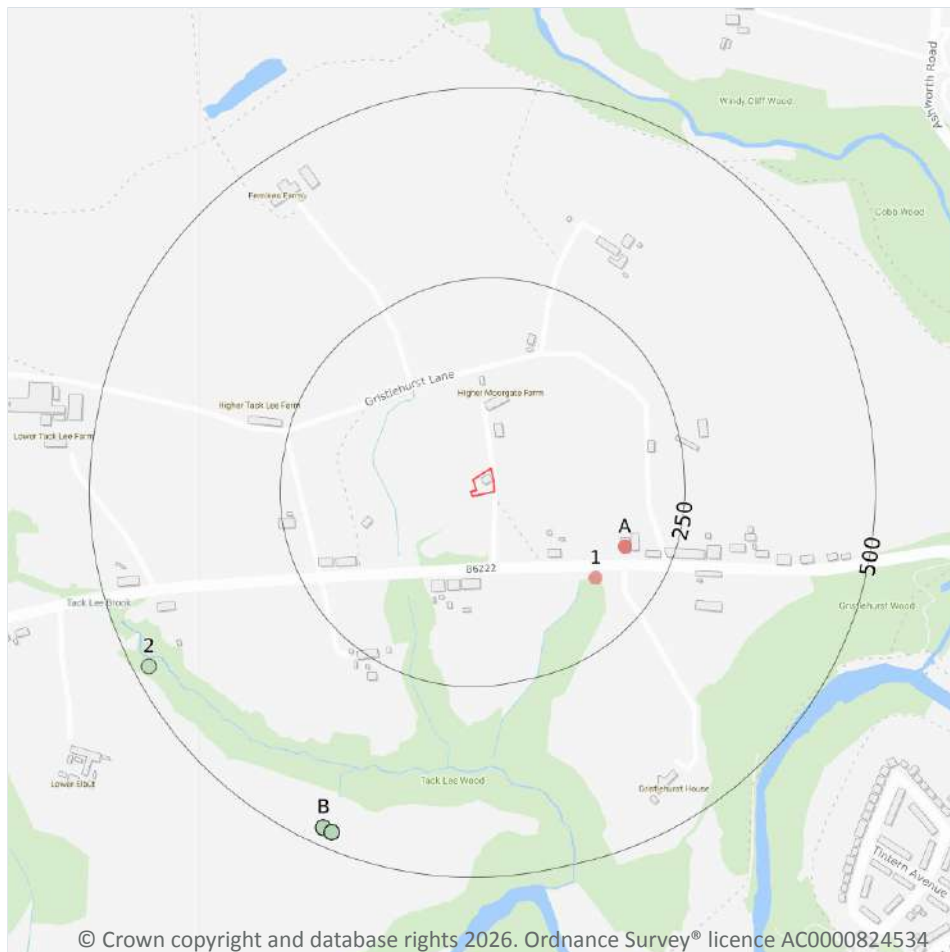
Features are displayed on the Waste and landfill map on [page 23 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	268m NW	-	WEX405838	Storing waste exemption	On a farm	Storage of sludge
A	268m NW	-	WEX440624	Storing waste exemption	On a farm	Storage of sludge
1	418m NE	-	WEX364110	Storing waste exemption	On a farm	Storage of sludge

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

3

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 26](#) >

ID	Location	Company	Address	Activity	Category
1	175m SE	Electricity Sub Station	Greater Manchester, OL10	Electrical Features	Infrastructure and Facilities
A	186m SE	Sound Secure UK Ltd	Blue Bell Garage 205-207, Bury and Rochdale Old Road, Heywood, Greater Manchester, OL10 4BQ	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
A	187m SE	Blue Bell M O T & Service Centre	Bury & Rochdale Old Road, Heywood, Greater Manchester, OL10	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey®.

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

Records within 250m	0
----------------------------	----------

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

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

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

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

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

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

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

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

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

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

This data is sourced from Local Authority records.



4.7 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.9 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m**0**

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.

This data is sourced from Local Authority records.

4.13 Radioactive Substance Authorisations

Records within 500m**0**

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

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

4.14 Licensed Discharges to controlled waters

Records within 500m**0**

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

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

4.15 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.16 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m

0

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

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

4.18 List 2 Dangerous Substances

Records within 500m

0

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

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m

11

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 26 >](#)

ID	Location	Details	
B	476m SW	Incident Date: 27/03/2002 Incident Identification: 67053 Pollutant: Inert Materials and Wastes:General Biodegradable Materials and Wastes:Specific Waste Materials Pollutant Description: Construction and Demolition Materials and Wastes:Other General Biodegradable Material or Waste:Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	476m SW	Incident Date: 27/03/2002 Incident Identification: 67053 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	476m SW	Incident Date: 27/03/2002 Incident Identification: 67053 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
B	476m SW	Incident Date: 27/03/2002 Incident Identification: 67053 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	477m SW	Incident Date: 27/03/2002 Incident Identification: 67071 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Demolition Materials and Wastes	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	477m SW	Incident Date: 27/03/2002 Incident Identification: 67071 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	477m SW	Incident Date: 27/03/2002 Incident Identification: 67071 Pollutant: Inert Materials and Wastes:General Biodegradable Materials and Wastes:Specific Waste Materials:Specific Waste Materials:Oils and Fuel Pollutant Description: Construction and Demolition Materials and Wastes:Other General Biodegradable Material or Waste:Household Waste:Vehicles and Vehicle Parts:Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	477m SW	Incident Date: 27/03/2002 Incident Identification: 67071 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	477m SW	Incident Date: 27/03/2002 Incident Identification: 67071 Pollutant: Specific Waste Materials Pollutant Description: Vehicles and Vehicle Parts	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
B	477m SW	Incident Date: 27/03/2002 Incident Identification: 67071 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2	480m SW	Incident Date: 25/03/2003 Incident Identification: 145718 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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



4.20 Pollution inventory substances

Records within 500m**0**

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

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

4.21 Pollution inventory waste transfers

Records within 500m**0**

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

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

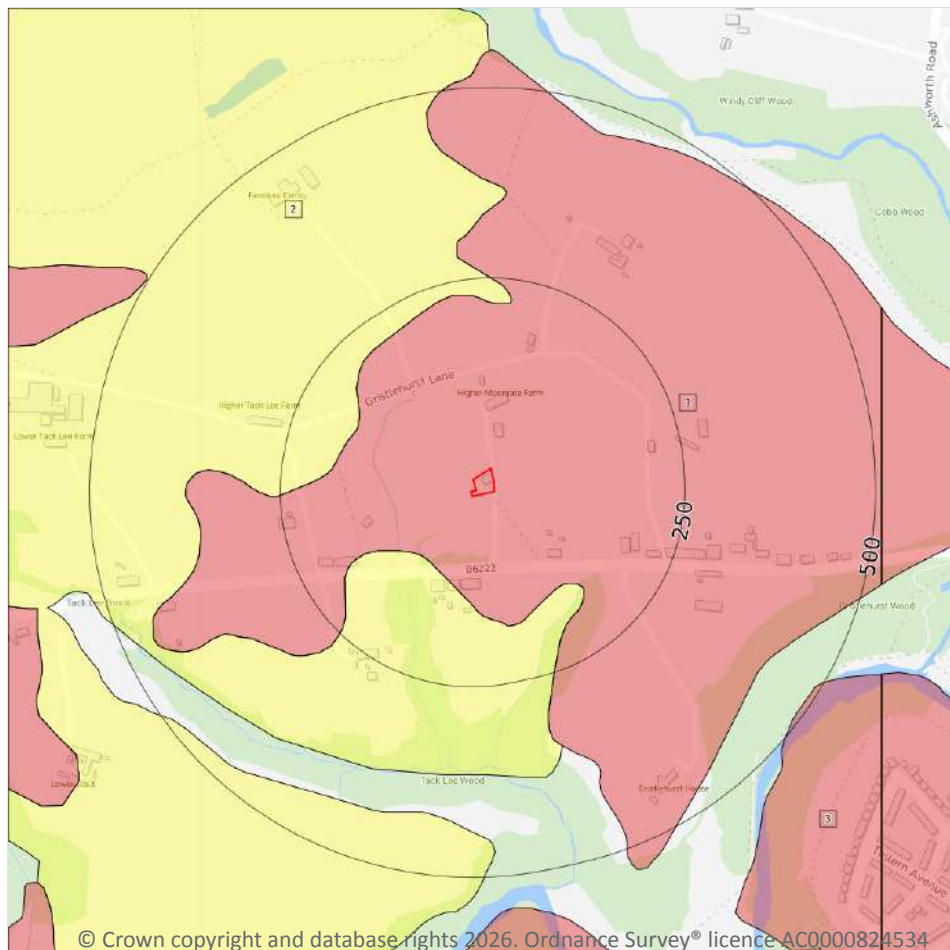
4.22 Pollution inventory radioactive waste

Records within 500m**0**

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 33](#) >

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	102m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

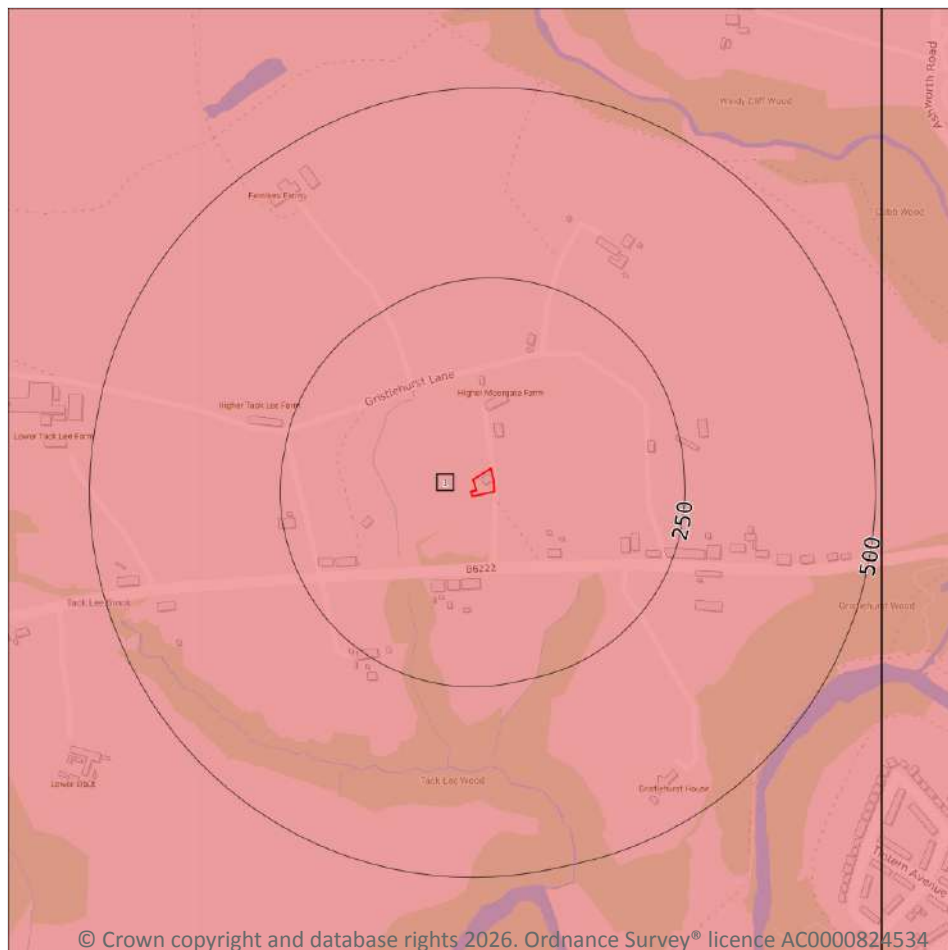


ID	Location	Designation	Description
3	492m SE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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 35 >](#)

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.



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: 3-10m Patchiness value: >90% Recharge potential: Low	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site	0
------------------------	----------

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

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

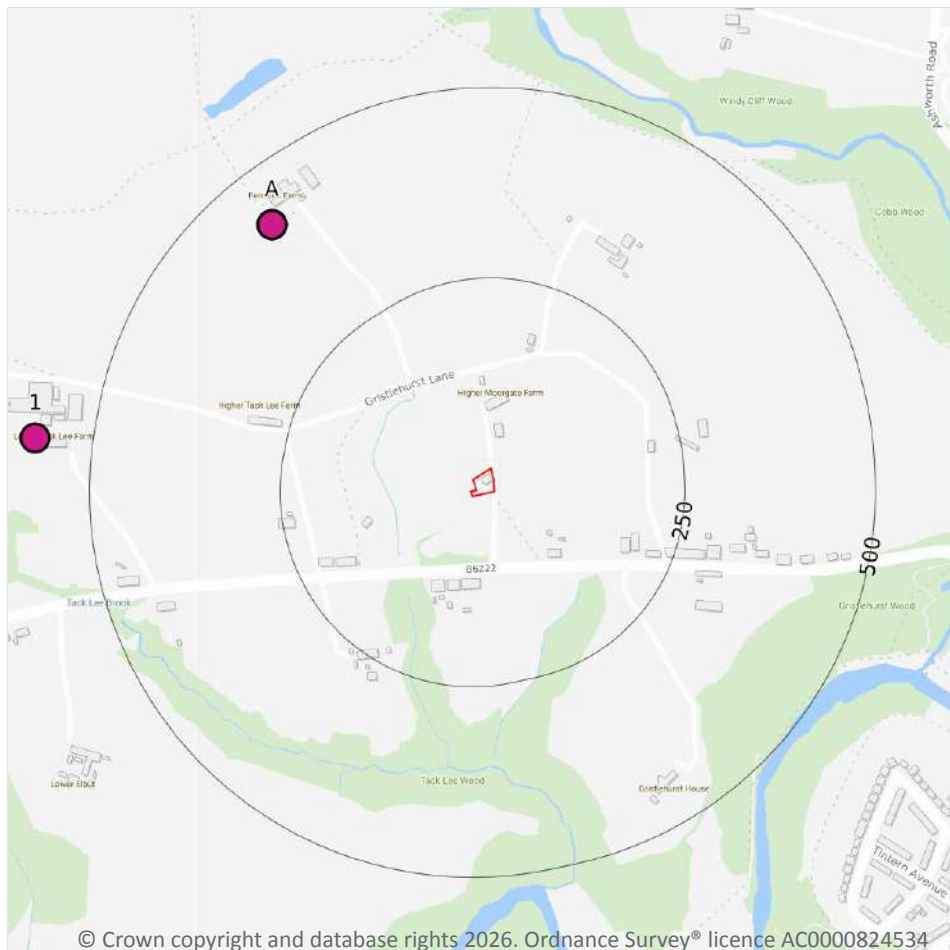
5.5 Groundwater vulnerability- local information

Records on site	0
------------------------	----------

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

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

Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)**
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Point features
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

21

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 38](#) >

ID	Location	Details	
A	426m NW	Status: Historical Licence No: 2569002248 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: "BOREHOLE AT FERNISES FARM, GRIFEL HURST LANE" Data Type: Point Name: THOMPSON Easting: 384200 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/06/1991 Expiry Date: - Issue No: 100 Version Start Date: 12/06/1991 Version End Date: -
A	426m NW	Status: Historical Licence No: 2569002248 Details: General Farming & Domestic Direct Source: Ground Water - North West Region Point: BOREHOLE AT FERNISES FARM, GRIFEL HURST LANE Data Type: Point Name: THOMPSON Easting: 384200 Northing: 412500	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/06/1991 Expiry Date: - Issue No: 100 Version Start Date: 12/06/1991 Version End Date: -
1	575m W	Status: Historical Licence No: 2569002267 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT LOWER TACK LEA FARM BURY Data Type: Point Name: A CLEASBY LTD Easting: 383890 Northing: 412220	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/05/1998 Expiry Date: 05/02/2008 Issue No: 100 Version Start Date: 22/05/1998 Version End Date: -
-	799m W	Status: Historical Licence No: 2569002142 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, BIRTLE BURY" Data Type: Point Name: WILLS FABRICS LTD Easting: 383700 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -
-	799m W	Status: Historical Licence No: 2569002142 Details: Process water Direct Source: Ground Water - North West Region Point: "BOREHOLE AT PREMISES, BIRTLE BURY" Data Type: Point Name: WILLS FABRICS LTD Easting: 383700 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -



ID	Location	Details	
-	799m W	Status: Historical Licence No: 2569002142 Details: Boiler Feed Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, BIRTLE BURY Data Type: Point Name: WILLS FABRICS LTD Easting: 383700 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -
-	799m W	Status: Historical Licence No: 2569002142 Details: Process water Direct Source: Ground Water - North West Region Point: BOREHOLE AT PREMISES, BIRTLE BURY Data Type: Point Name: WILLS FABRICS LTD Easting: 383700 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 29/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 29/03/1966 Version End Date: -
-	1042m NW	Status: Historical Licence No: 2569002189 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT THORNHURST FARM, HEYWOOD Data Type: Point Name: OVENDEN Easting: 384000 Northing: 413100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -
-	1042m NW	Status: Historical Licence No: 2569002189 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT THORNHURST FARM, HEYWOOD" Data Type: Point Name: OVENDEN Easting: 384000 Northing: 413100	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -



ID	Location	Details	
-	1330m E	Status: Active Licence No: 2569002217 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BUTTERWORTH FOLD FARM BAMFORD ROCHDALE Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): 33185.8 Max Daily Volume (m ³): 90.92 Original Application No: 2563 Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2007 Version End Date: -
-	1330m E	Status: Historical Licence No: 2569002217 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "BOREHOLE AT BUTTERWORTH FOLD FARM, BAMFORD, ROCHDALE" Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1980 Version End Date: -
-	1330m E	Status: Historical Licence No: 2569002217 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: BOREHOLE AT BUTTERWORTH FOLD FARM, BAMFORD, ROCHDALE Data Type: Point Name: JAMES SWALLOW LTD Easting: 385800 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 22/09/1980 Expiry Date: - Issue No: 100 Version Start Date: 22/09/1980 Version End Date: -
-	1382m NE	Status: Historical Licence No: 2569002180 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE" Data Type: Point Name: BLACKBOROUGH Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -



ID	Location	Details	
-	1382m NE	Status: Historical Licence No: 2569002183 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE" Data Type: Point Name: MILLS Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -
-	1382m NE	Status: Historical Licence No: 2569002180 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE Data Type: Point Name: BLACKBOROUGH Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -
-	1382m NE	Status: Historical Licence No: 2569002183 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: WELL AT MOOR EDGE FARM, BAMFORD, ROCHDALE Data Type: Point Name: MILLS Easting: 385600 Northing: 413000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 21/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/02/1966 Version End Date: -
-	1465m W	Status: Historical Licence No: 2569002056 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "SPRING FED STORAGE TANK AND CATCHPIT AT CARRCROFT FARM, BIRT" Data Type: Point Name: CHADWICK Easting: 383100 Northing: 412700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -

ID	Location	Details	
-	1465m W	Status: Historical Licence No: 2569002056 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: SPRING FED STORAGE TANK AND CATCHPIT AT CARRCROFT FARM, BIRT Data Type: Point Name: CHADWICK Easting: 383100 Northing: 412700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	1505m NW	Status: Historical Licence No: 2569002057 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: "SPRING FED INTERCONNECTED TANKS (2),AT MOUNT PLEASANT FARM, " Data Type: Point Name: CHADWICK Easting: 383100 Northing: 412800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	1505m NW	Status: Historical Licence No: 2569002057 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Ground Water - North West Region Point: SPRING FED INTERCONNECTED TANKS (2),AT MOUNT PLEASANT FARM Data Type: Point Name: CHADWICK Easting: 383100 Northing: 412800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	1959m SW	Status: Active Licence No: NW/069/0002/010 Details: Process Water Direct Source: Ground Water - North West Region Point: BOREHOLE - NORTHERN MANCHESTER CARBONIFEROUS AQUIFERS Data Type: Point Name: Access Utilities Limited Easting: 382983 Northing: 410861	Annual Volume (m ³): 62400 Max Daily Volume (m ³): 200 Original Application No: - Original Start Date: 19/09/2018 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/04/2024 Version End Date: -

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



5.7 Surface water abstractions

Records within 2000m

16

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 38 >](#)

ID	Location	Details	
-	842m E	Status: Historical Licence No: 2569002166 Details: Process water Direct Source: "Surface, Non-Tidal - North West Region" Point: "CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD" Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	842m E	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: "Surface, Non-Tidal - North West Region" Point: "CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD" Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	842m E	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -



ID	Location	Details	
-	842m E	Status: Historical Licence No: 2569002166 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BRK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: J R CROMPTON LTD Easting: 385300 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 24/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 21/05/2001 Version End Date: -
-	842m E	Status: Historical Licence No: 2569002166 Details: Process Water Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BROOK AT SIMPSON CLOUGH HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385300 Northing: 412400	Annual Volume (m ³): 2136620 Max Daily Volume (m ³): 12437.86 Original Application No: 949 Original Start Date: 24/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 13/08/2007 Version End Date: -
-	842m E	Status: Historical Licence No: 2569002166 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: CHEESDEN BROOK AT SIMPSON CLOUGH HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385300 Northing: 412400	Annual Volume (m ³): 2136620 Max Daily Volume (m ³): 12437.86 Original Application No: 949 Original Start Date: 24/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 13/08/2007 Version End Date: -
-	871m E	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD 112 Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -

ID	Location	Details	
-	871m E	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: "Surface, Non-Tidal - North West Region" Point: "NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD S112" Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -
-	871m E	Status: Historical Licence No: 2569002255 Details: General use relating to Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD S112 Data Type: Point Name: J R CROMPTON LTD Easting: 385360 Northing: 412230	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 12/02/1993 Expiry Date: - Issue No: 101 Version Start Date: 10/10/2000 Version End Date: -
-	871m E	Status: Historical Licence No: 2569002255 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Surface, Non-Tidal - North West Region Point: NADEN BROOK AT SIMPSON CLOUGH, HEYWOOD Data Type: Point Name: UNION PAPERTECH LIMITED Easting: 385360 Northing: 412230	Annual Volume (m ³): 2136620 Max Daily Volume (m ³): 6219 Original Application No: 949 Original Start Date: 12/02/1993 Expiry Date: - Issue No: 102 Version Start Date: 13/08/2007 Version End Date: -
-	992m W	Status: Historical Licence No: 2569002141 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS (3) FED BY SPRINGS AND SURFACE DRAINAGE AT102 Data Type: Point Name: WILLS FABRICS LTD Easting: 383500 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -



ID	Location	Details	
-	992m W	Status: Historical Licence No: 2569002141 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS (3) FED BY SPRINGS AND SURFACE DRAINAGE AT102 Data Type: Point Name: WILLS FABRICS LTD Easting: 383500 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	992m W	Status: Historical Licence No: 2569002141 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS (3) FED BY SPRINGS AND SURFACE DRAINAGE AT\$102 Data Type: Point Name: WILLS FABRICS LTD Easting: 383500 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	992m W	Status: Historical Licence No: 2569002141 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS (3) FED BY SPRINGS AND SURFACE DRAINAGE AT\$102 Data Type: Point Name: WILLS FABRICS LTD Easting: 383500 Northing: 412400	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -
-	1072m W	Status: Historical Licence No: 2569002141 Details: Boiler Feed Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS (3) FED BY SPRINGS AND SURFACE DRAINAGE AT PREM Data Type: Point Name: WILLS FABRICS LTD Easting: 383400 Northing: 412300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -

ID	Location	Details	
-	1072m W	Status: Historical Licence No: 2569002141 Details: Process water Direct Source: Surface, Non-Tidal - North West Region Point: RESERVOIRS (3) FED BY SPRINGS AND SURFACE DRAINAGE AT PREM Data Type: Point Name: WILLS FABRICS LTD Easting: 383400 Northing: 412300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/02/1966 Expiry Date: - Issue No: 100 Version Start Date: 14/02/1966 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
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Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

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

5.9 Source Protection Zones

Records within 500m	0
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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.

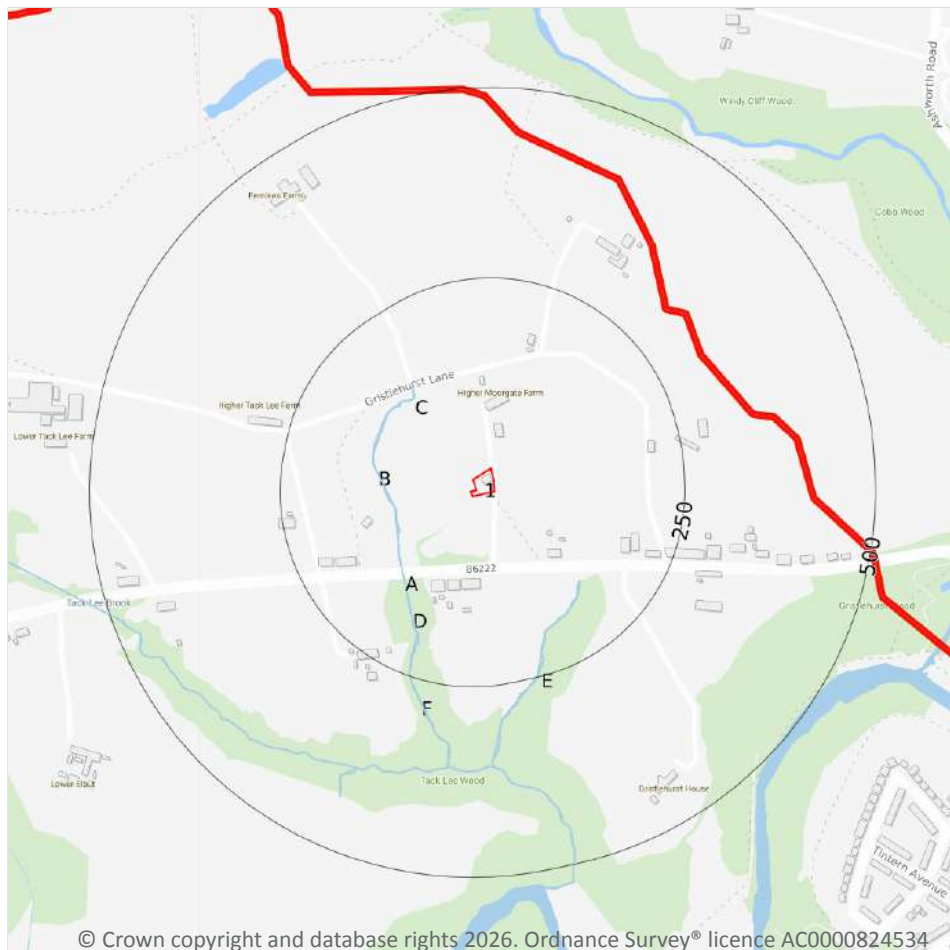
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

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

6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

9

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 49 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
B	101m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
A	124m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	131m NW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	131m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	156m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	162m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	191m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	191m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	193m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey®.

6.2 Surface water features

Records within 250m

5

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 49](#) >

This data is sourced from the Ordnance Survey®.



6.3 WFD Surface water body catchments

Records on site	1
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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 49 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Roch (Spodden to Irwell)	GB112069064600	Roch Irk Medlock	Irwell

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

6.4 WFD Surface water bodies

Records identified	1
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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 49 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	502m SE	River	Roch (Spodden to Irwell)	GB112069064600 ↗	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 49 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	Northern Manchester Carboniferous Aquifers	GB41202G101800 ↗	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

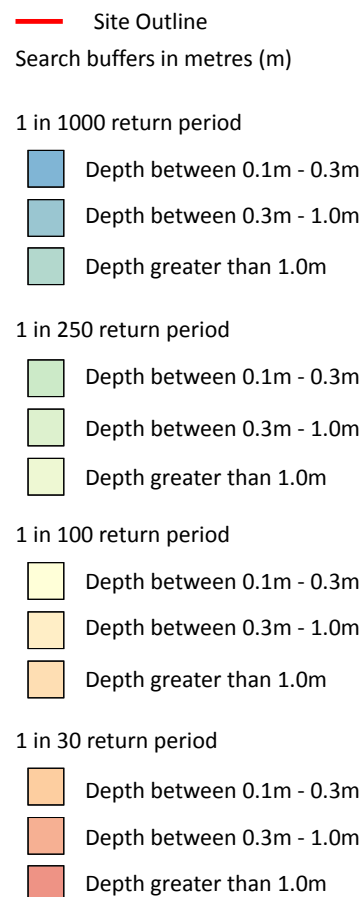
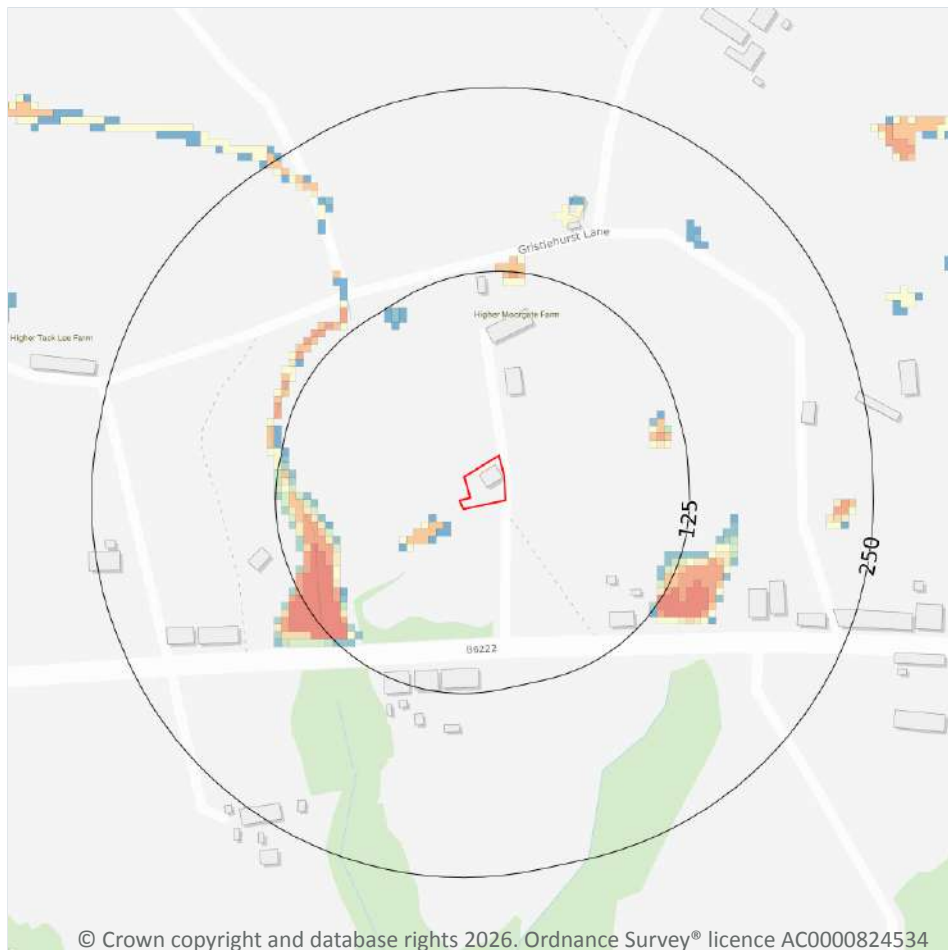
0

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

1 in 30 year, 0.1m - 0.3m

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.

Features are displayed on the Surface water flooding map on [page 56](#) >

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.

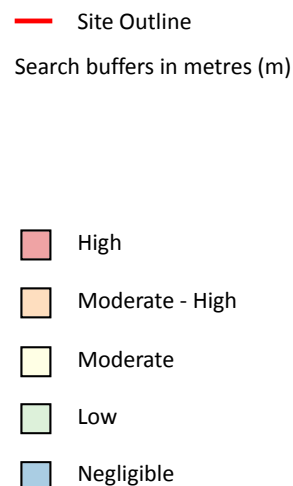
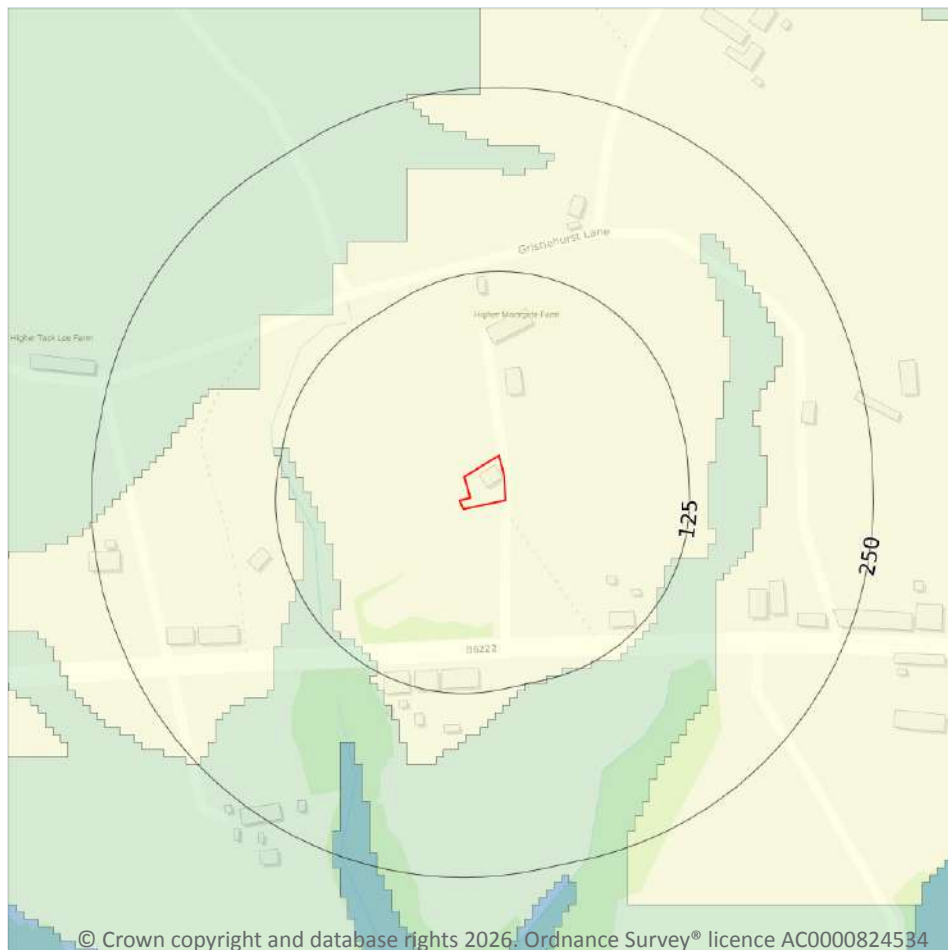
The table below shows the maximum flood depths for a range of return periods for the site.

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

Moderate

Highest risk within 50m

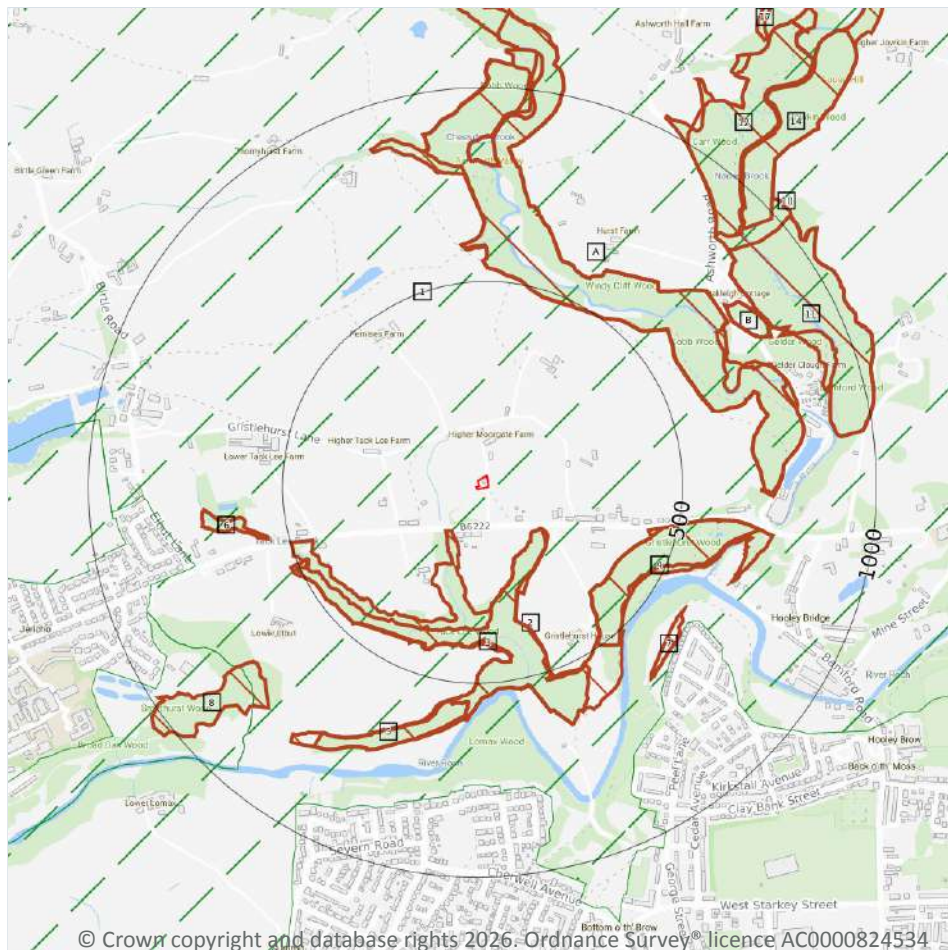
Moderate

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 58 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

26

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 59 >](#)

ID	Location	Name	Woodland Type
2	125m SW	Unknown	Ancient & Semi-Natural Woodland
3	162m SE	Unknown	Ancient & Semi-Natural Woodland
4	377m SE	Simpson Clough Wood	Ancient & Semi-Natural Woodland
A	481m N	Jowkin Wood	Ancient & Semi-Natural Woodland
A	482m N	Jowkin Wood	Ancient & Semi-Natural Woodland
5	548m S	Unknown	Ancient & Semi-Natural Woodland
6	552m W	Unknown	Ancient & Semi-Natural Woodland
7	591m SE	Unknown	Ancient & Semi-Natural Woodland
8	724m SW	Broad Oak & Smethurst Wood	Ancient & Semi-Natural Woodland
B	747m NE	Jowkin Wood	Ancient & Semi-Natural Woodland
B	747m NE	Jowkin Wood	Ancient & Semi-Natural Woodland
10	809m NE	Jowkin Wood	Ancient & Semi-Natural Woodland
11	811m NE	Jowkin Wood	Ancient & Semi-Natural Woodland
12	856m NE	Jowkin Wood	Ancient & Semi-Natural Woodland
14	919m NE	Jowkin Wood	Ancient & Semi-Natural Woodland
-	1261m E	Unknown	Ancient Replanted Woodland



ID	Location	Name	Woodland Type
-	1277m E	Unknown	Ancient Replanted Woodland
17	1331m NE	Unknown	Ancient & Semi-Natural Woodland
-	1342m N	Unknown	Ancient & Semi-Natural Woodland
-	1367m NW	Unknown	Ancient & Semi-Natural Woodland
-	1520m SE	Unknown	Infilled Ancient Wood Pasture
-	1606m E	Unknown	Ancient Replanted Woodland
-	1642m NE	Naden Brook Wood	Ancient & Semi-Natural Woodland
-	1663m NE	Naden Brook Wood	Ancient & Semi-Natural Woodland
-	1861m E	Unknown	Ancient & Semi-Natural Woodland
-	1873m E	Unknown	Ancient Replanted 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

4

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

Features are displayed on the Environmental designations map on [page 59](#) >

ID	Location	Name	Local Authority name
1	On site	Merseyside and Greater Manchester Green Belt	Rochdale
9	763m SW	Merseyside and Greater Manchester Green Belt	Bury
13	915m W	Merseyside and Greater Manchester Green Belt	Bury
-	1860m NW	Merseyside and Greater Manchester Green Belt	Rossendale

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

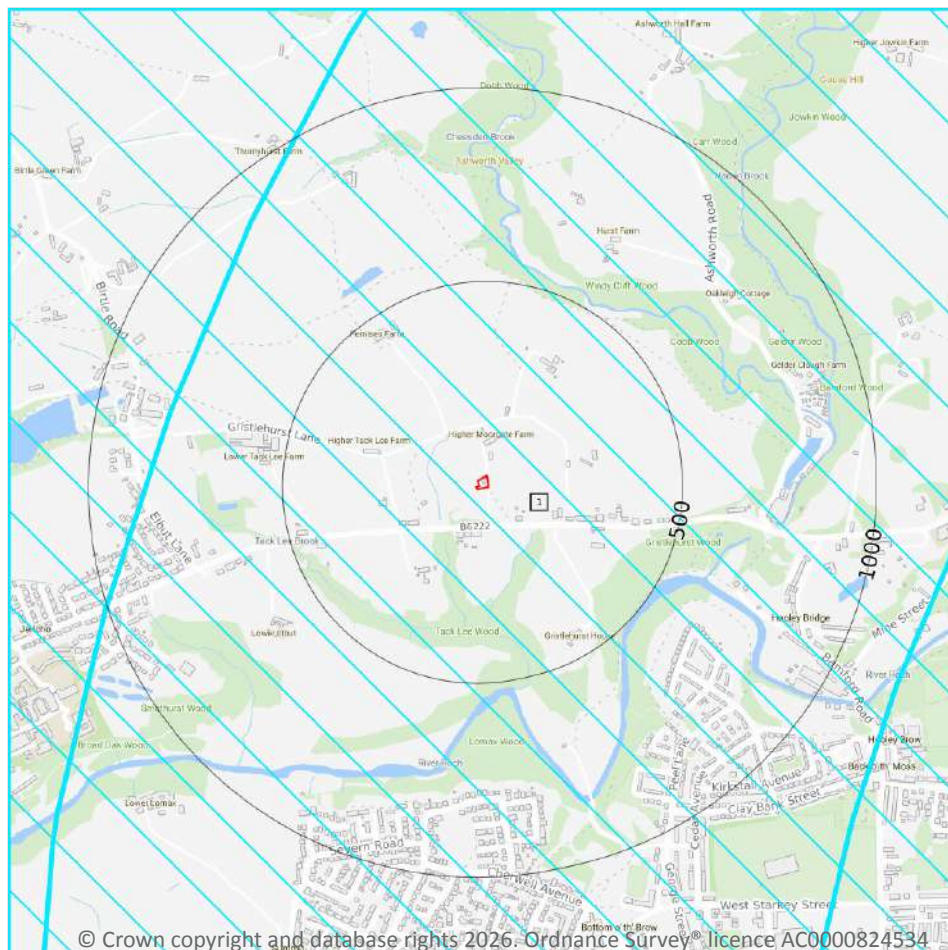
Records within 2000m

0

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



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 65 >](#)

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300000430000&notes=&location=387670,439176%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

0

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

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



11 Visual and cultural designations

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

0

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



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

11.5 Conservation Areas

Records within 250m

0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m

0

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

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

11.7 Registered Parks and Gardens

Records within 250m

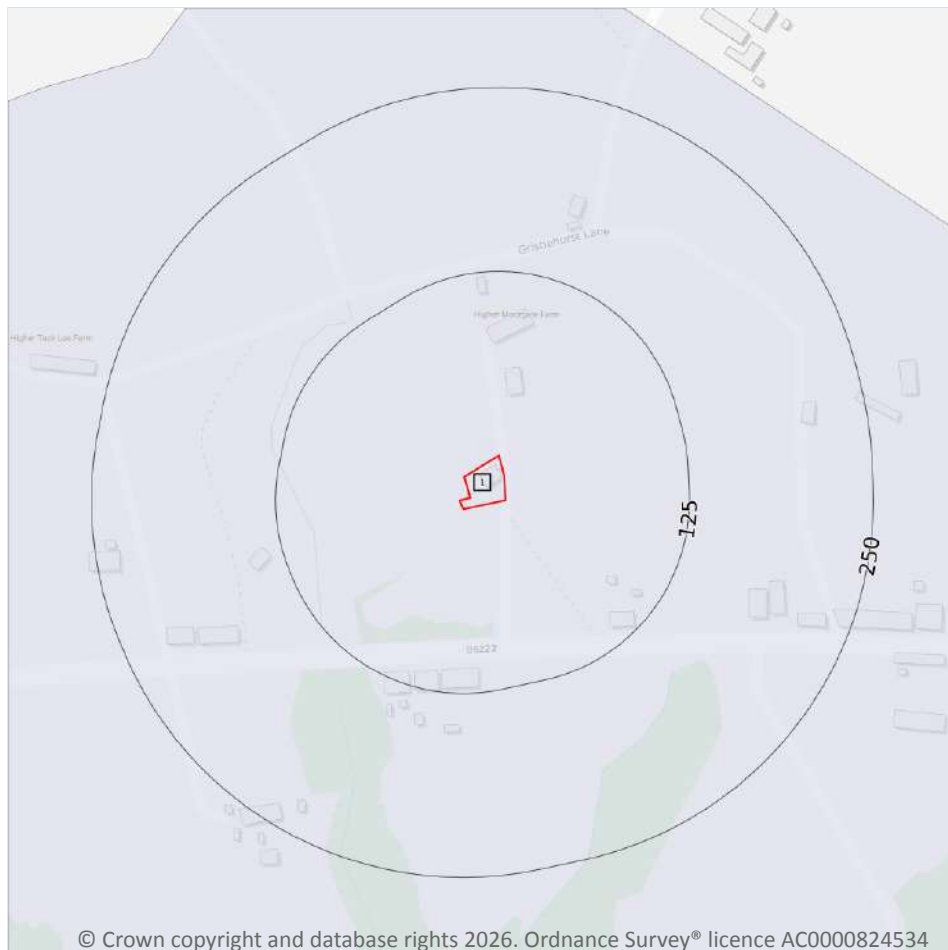
0

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

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



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

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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 69](#) >

ID	Location	Classification	Description
1	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.



This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

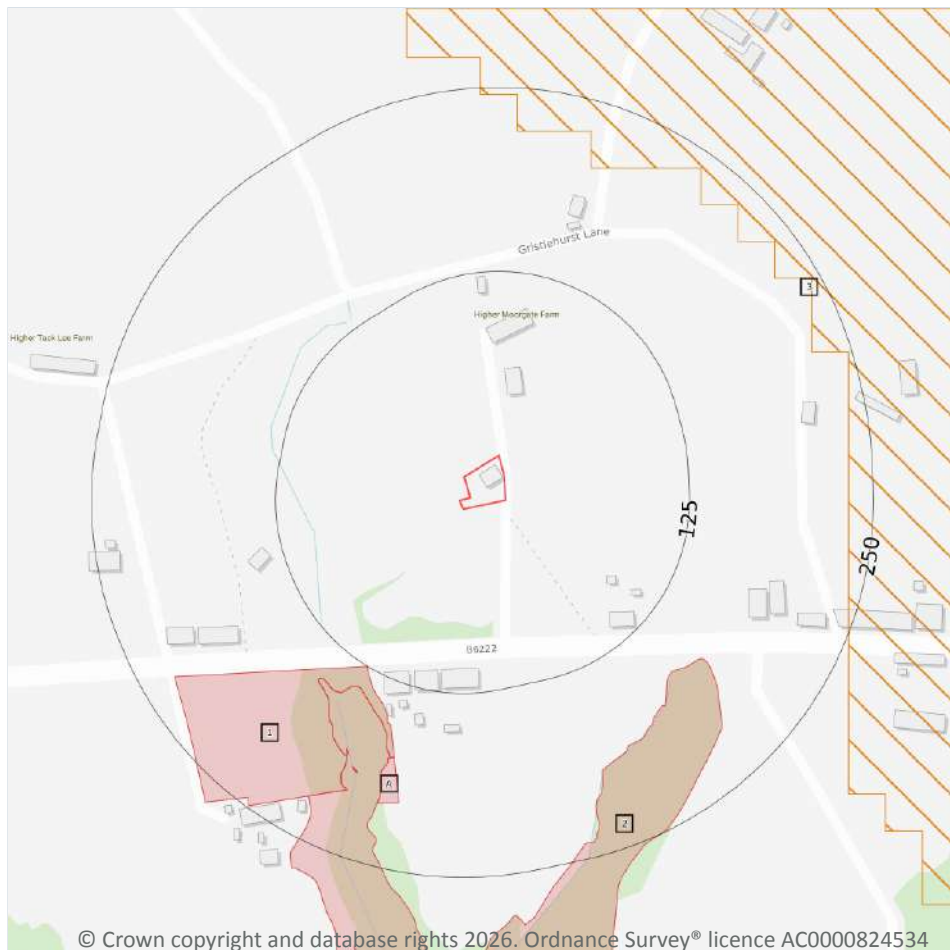
0

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

This data is sourced from Natural England.



13 Habitat designations



- Site Outline
- Search buffers in metres (m)
- Priority Habitat Inventory
- Open Mosaic Habitat
- Limestone Pavement Orders
- Habitat Networks
- Primary Habitat
- Restorable Habitat
- Associated Habitats
- Habitat Restoration-Creation
- Network Enhancement Zone 1
- Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m

5

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 71](#) >

ID	Location	Main Habitat	Other habitats
1	125m SW	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
2	140m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	175m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	181m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
A	191m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	1
----------------------------	----------

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.

Features are displayed on the Habitat designations map on [page 71](#) >

ID	Location	Type	Habitat
3	205m N	Network Enhancement Zone 1	Not specified

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0
----------------------------	----------

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

This data is sourced from Natural England.

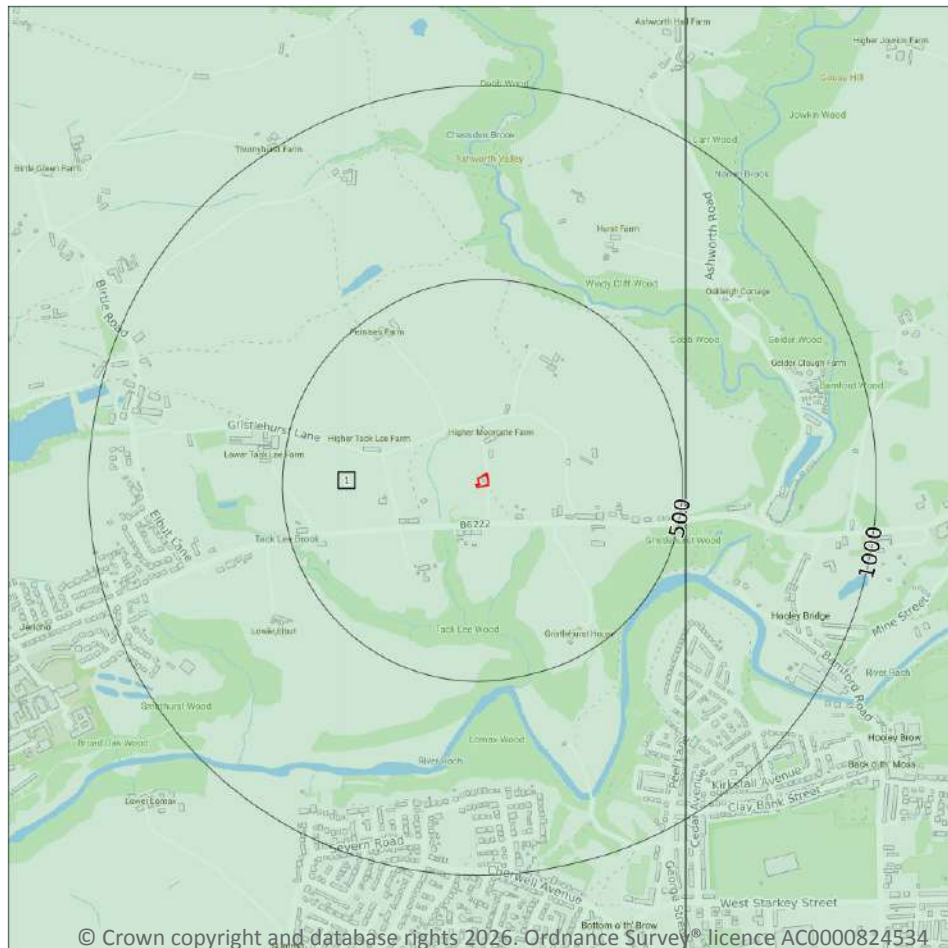
13.4 Limestone Pavement Orders

Records within 250m	0
----------------------------	----------

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

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.

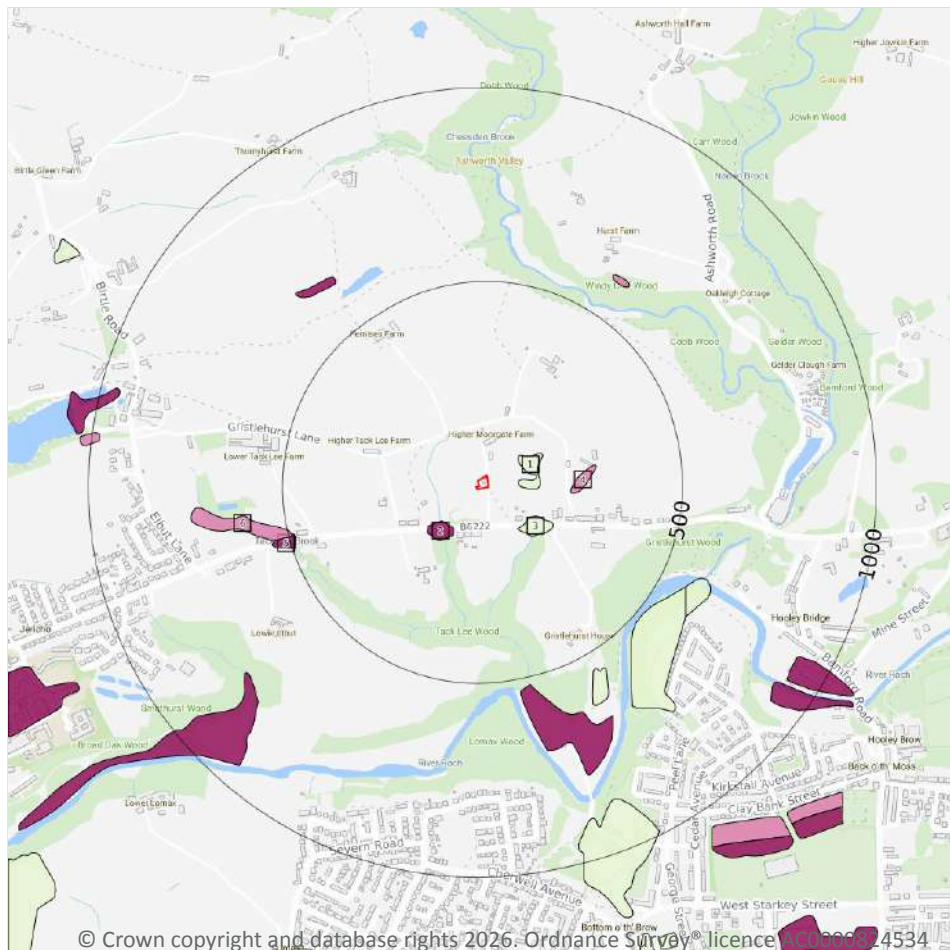
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 73](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SD81SW

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

6

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 74](#) >

ID	Location	LEX Code	Description	Rock description
1	78m E	WMGR-ARTDP	Infilled Ground	Artificial deposit
2	117m SW	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
3	130m SE	WMGR-ARTDP	Infilled Ground	Artificial deposit
4	212m E	WGR-VOID	Worked Ground (Undivided)	Void



ID	Location	LEX Code	Description	Rock description
5	482m W	MGR-ARTDP	Made Ground (Undivided)	Artificial deposit
6	491m W	WGR-VOID	Worked Ground (Undivided)	Void

This data is sourced from the British Geological Survey.



[illegible]

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

76

ID	Location	LEX Code	Description	Rock description
4	237m NW	HEAD-XCZSV	Head-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel
5	311m SW	GFDUD-XSV	Glaciofluvial Deposits, Devensian-Sand And Gravel	Sand and gravel
6	332m W	GFDUD-XSV	Glaciofluvial Deposits, Devensian-Sand And Gravel	Sand and gravel
7	452m SE	ALV-XCZSV	Alluvium-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

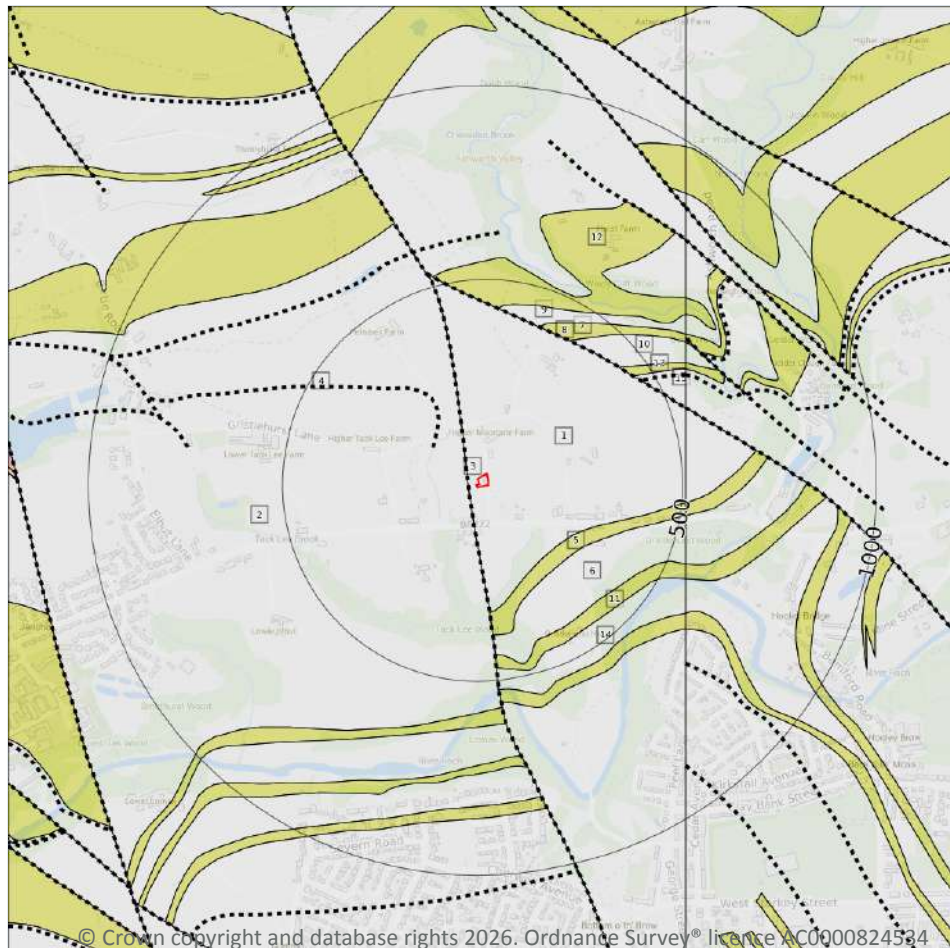
0

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

12

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 78 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
2	21m W	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
5	234m SE	OL-SDST	Old Lawrence Rock-Sandstone	Westphalian



ID	Location	LEX Code	Description	Rock age
6	275m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
7	400m NE	OL-SDST	Old Lawrence Rock-Sandstone	Westphalian
9	401m N	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
10	403m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
11	409m SE	OL-SDST	Old Lawrence Rock-Sandstone	Westphalian
12	427m N	OL-SDST	Old Lawrence Rock-Sandstone	Westphalian
13	437m NE	RSC-SDST	Riddle Scout Rock-Sandstone	Westphalian
14	446m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian
15	454m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, Siltstone And Sandstone	Westphalian

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

4

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

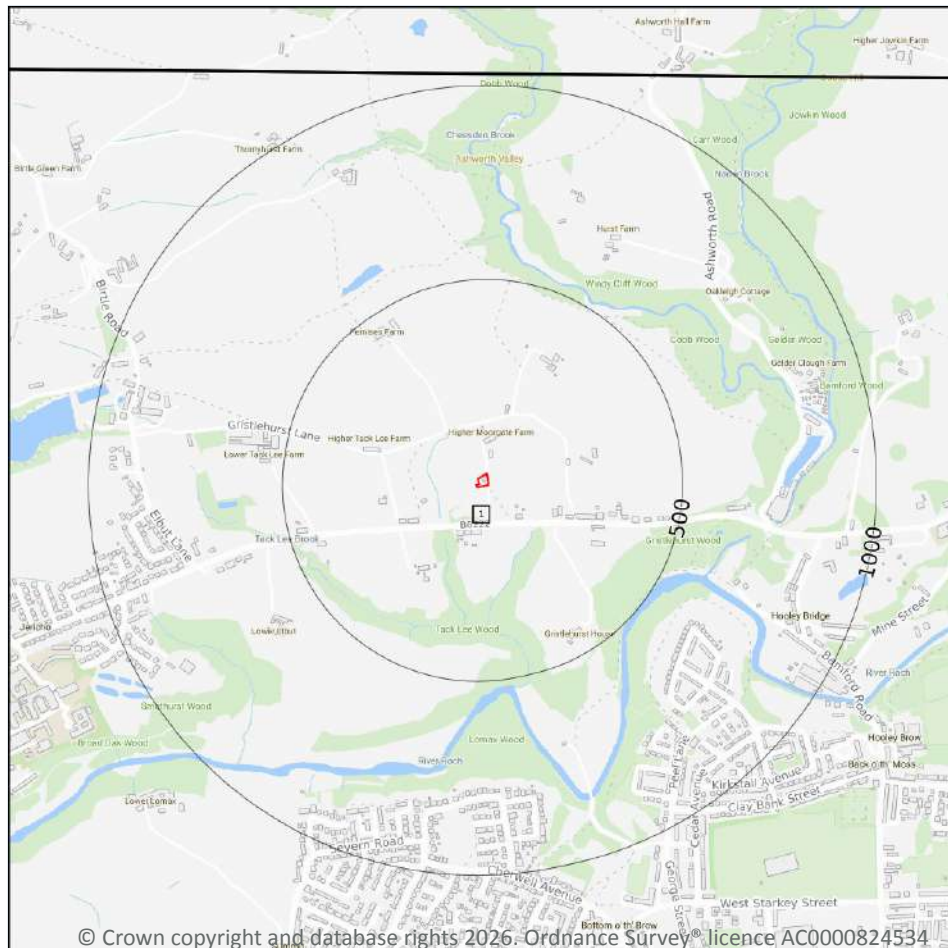
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 78 >](#)

ID	Location	Category	Description
3	21m W	FAULT	Fault, inferred, displacement unknown
4	140m NW	LANDFORM	Glacial meltwater channel centre line (head)
8	400m NE	FAULT	Fault, inferred, displacement unknown
16	463m NE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 80](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	EW085_manchester_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

0

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.

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

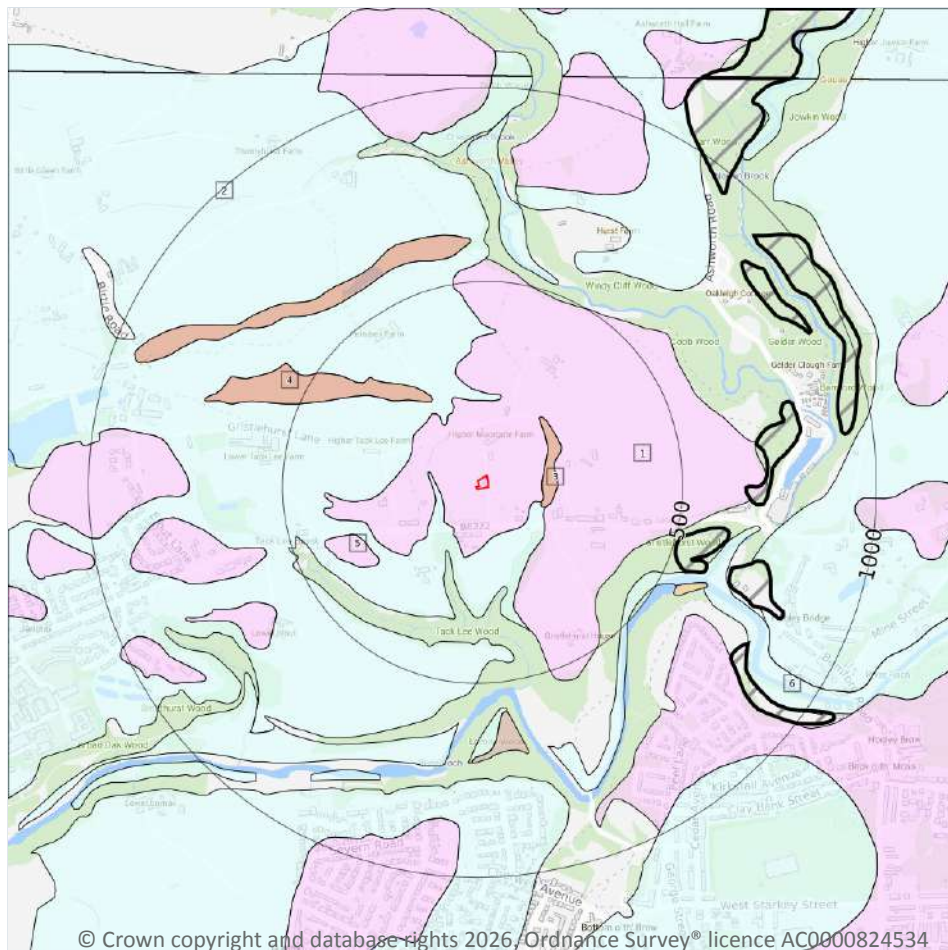
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

6

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 82](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	GFDUD-XSV	Glaciofluvial deposits, Devensian	Sand and gravel
2	92m W	TILLD-DMTN	Till, Devensian	Diamicton
3	138m E	HEAD-XCZSV	Head	Clay, silt, sand and gravel

ID	Location	LEX Code	Description	Rock description
4	237m NW	HEAD-XCZSV	Head	Clay, silt, sand and gravel
5	310m SW	GFDUD-XSV	Glaciofluvial deposits, Devensian	Sand and gravel
6	452m SE	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

1

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).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	Very High	High

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

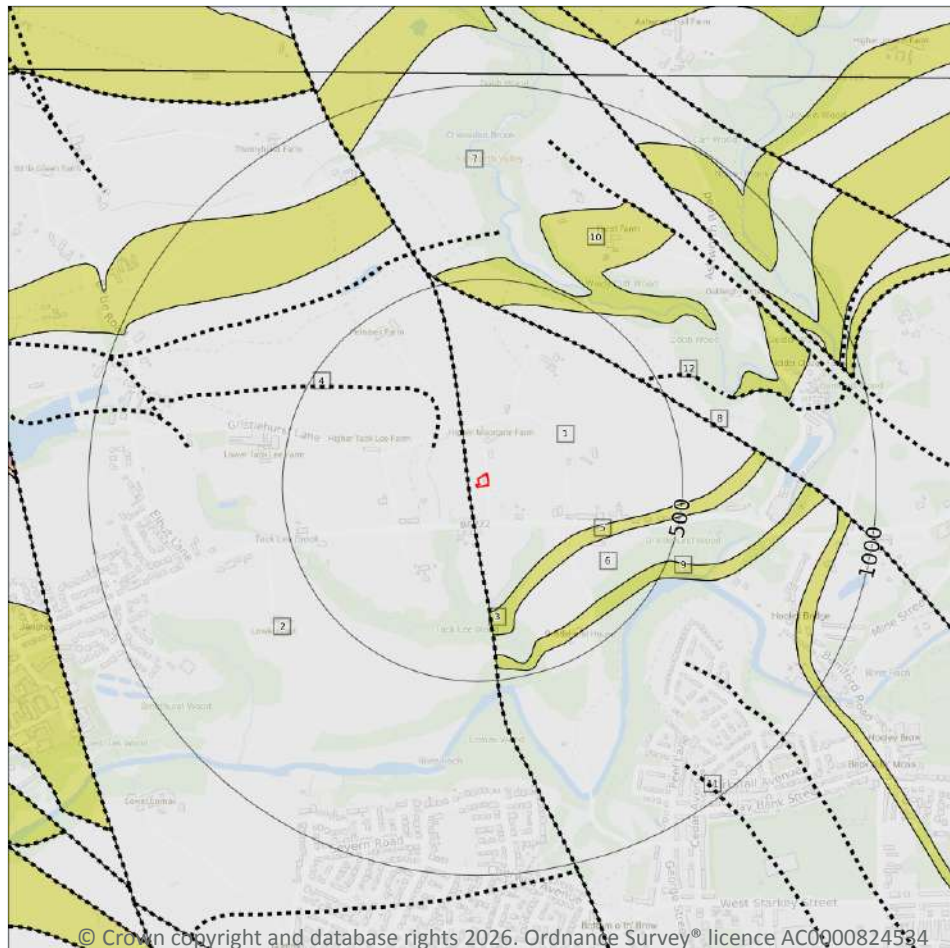
0

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

8

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 84](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
2	21m W	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
5	234m SE	OL-SDST	Old Lawrence Rock-Sandstone	Westphalian

ID	Location	LEX Code	Description	Rock age
6	275m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
7	400m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian
9	409m SE	OL-SDST	Old Lawrence Rock-Sandstone	Westphalian
10	426m N	OL-SDST	Old Lawrence Rock-Sandstone	Westphalian
11	446m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone	Westphalian

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	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	4
----------------------------	----------

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

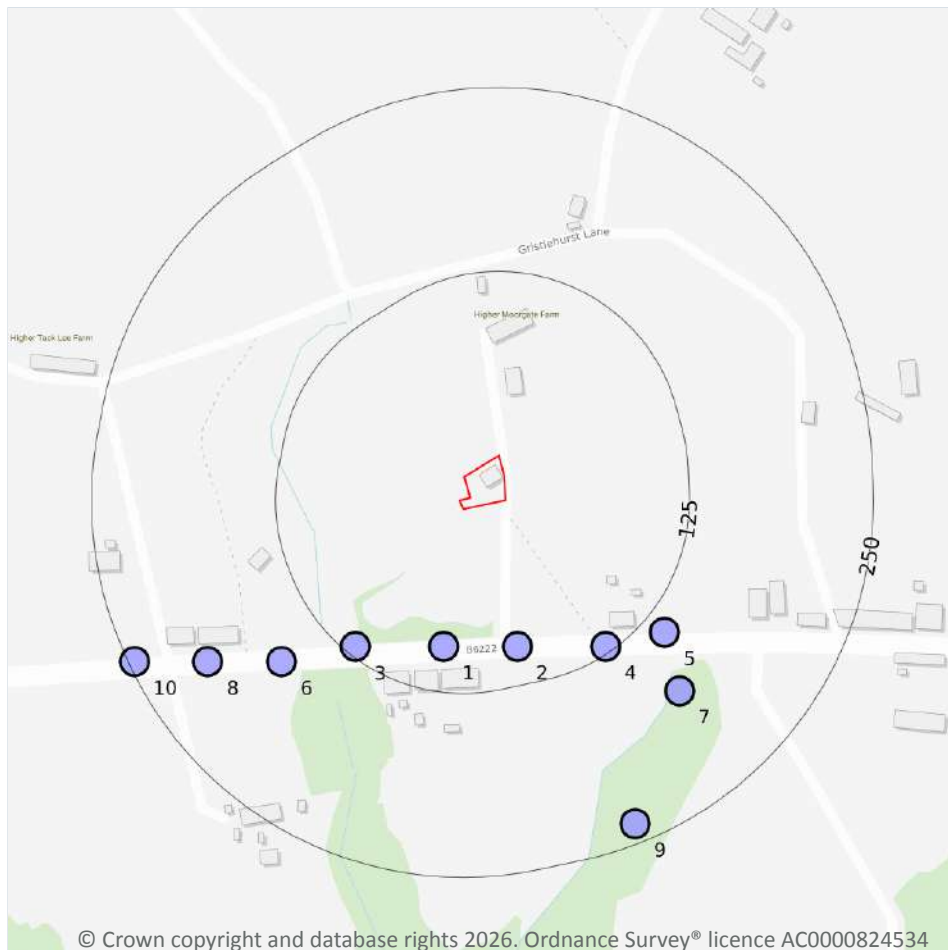
Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 84 >](#)

ID	Location	Category	Description
3	21m W	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
4	140m NW	LANDFORM	Glacial meltwater channel centre line (head)
8	400m NE	FAULT	Fault, inferred, crossmark on downthrow side, throw in metres
12	463m NE	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

10

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 86](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	94m S	384450 412050	BURY/ROCHDALE OLD RD SEW BH9	8.0	N	30555 ↗
2	99m S	384500 412050	BURY/ROCHDALE OLD RD SEW BH10	9.5	N	30556 ↗
3	119m SW	384390 412050	BURY/ROCHDALE OLD RD SEW BH8	8.5	N	30554 ↗

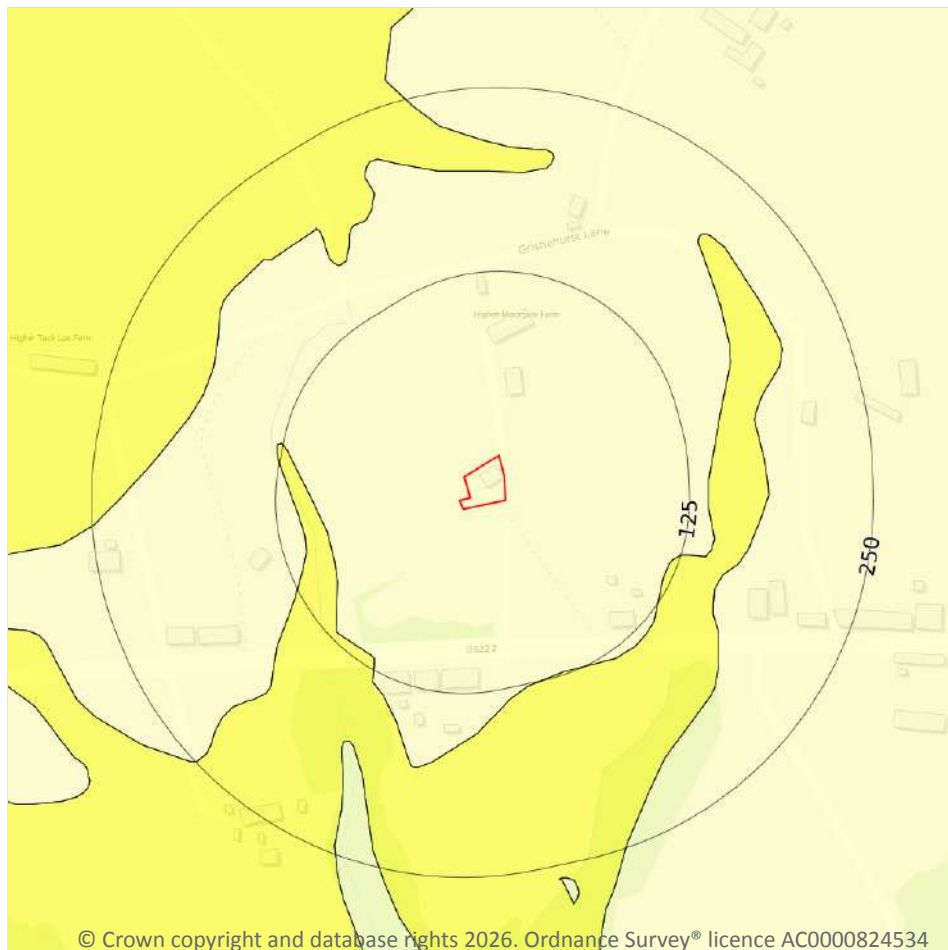


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	121m SE	384560 412050	BURY/ROCHDALE OLD RD SEW BH11	7.5	N	30557 ↗
5	140m SE	384600 412060	BURY/ROCHDALE OLD RD SEW BH12	7.5	N	30558 ↗
6	161m SW	384340 412040	BURY/ROCHDALE OLD RD SEW BH7	7.5	N	30553 ↗
7	175m SE	384610 412020	BURY/ROCHDALE OLD RD SEW BH13	2.0	N	30559 ↗
8	202m SW	384290 412040	BURY/ROCHDALE OLD RD SEW BH6	8.5	N	30552 ↗
9	236m S	384580 411930	BURY/ROCHDALE OLD RD SEW BH14	3.0	N	30560 ↗
10	246m SW	384240 412040	BURY/ROCHDALE OLD RD SEW BH5	8.5	N	30551 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.1 Shrink swell clays

Records within 50m

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).

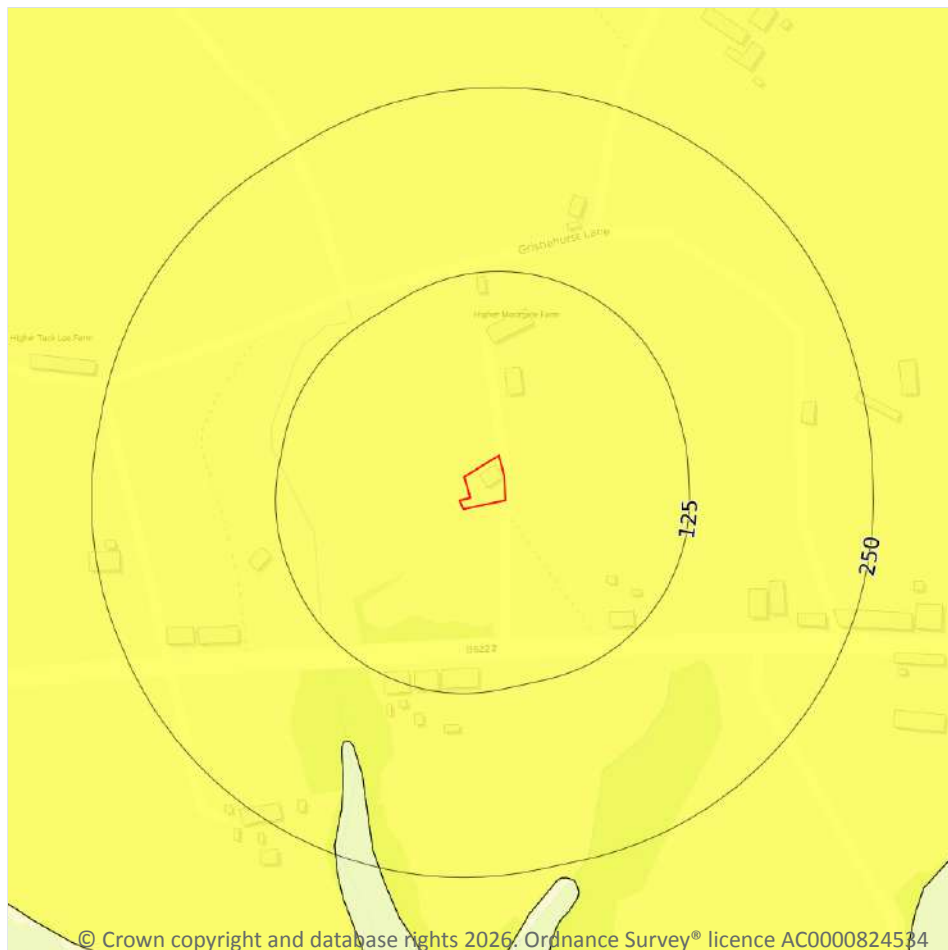
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 88](#) >

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

1

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

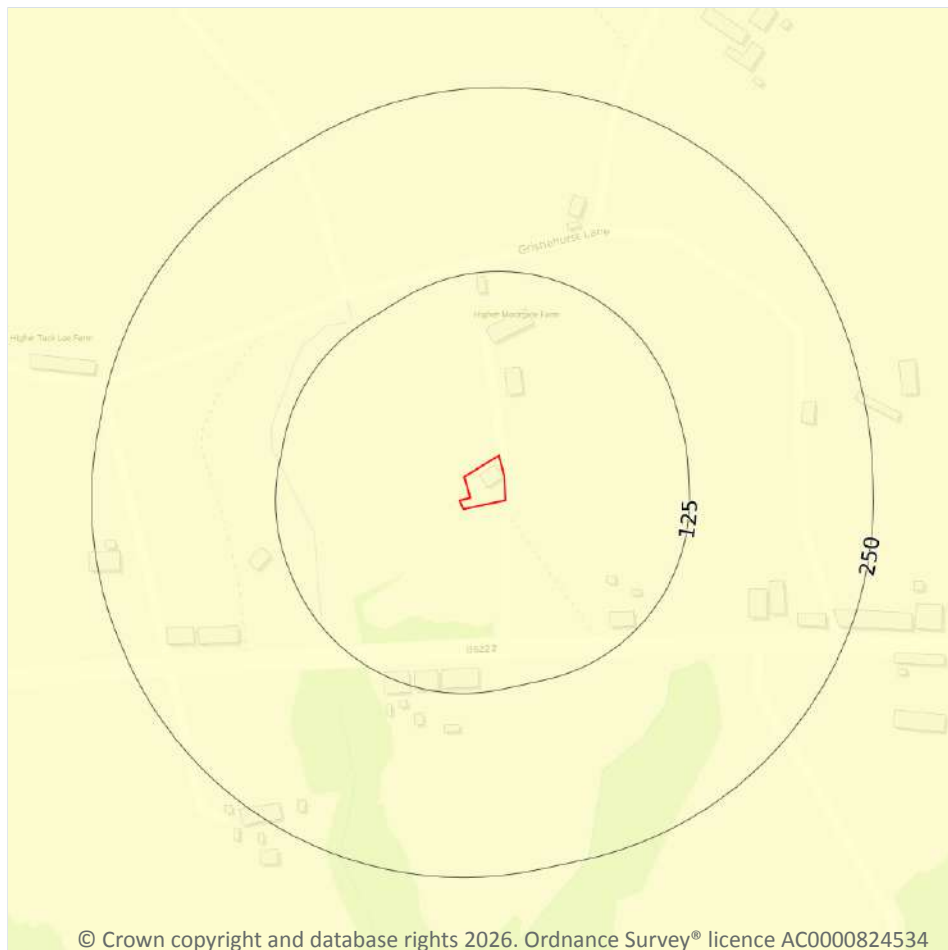
Features are displayed on the Natural ground subsidence - Running sands map on [page 89](#) >

Location	Hazard rating	Details
On site	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

1

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

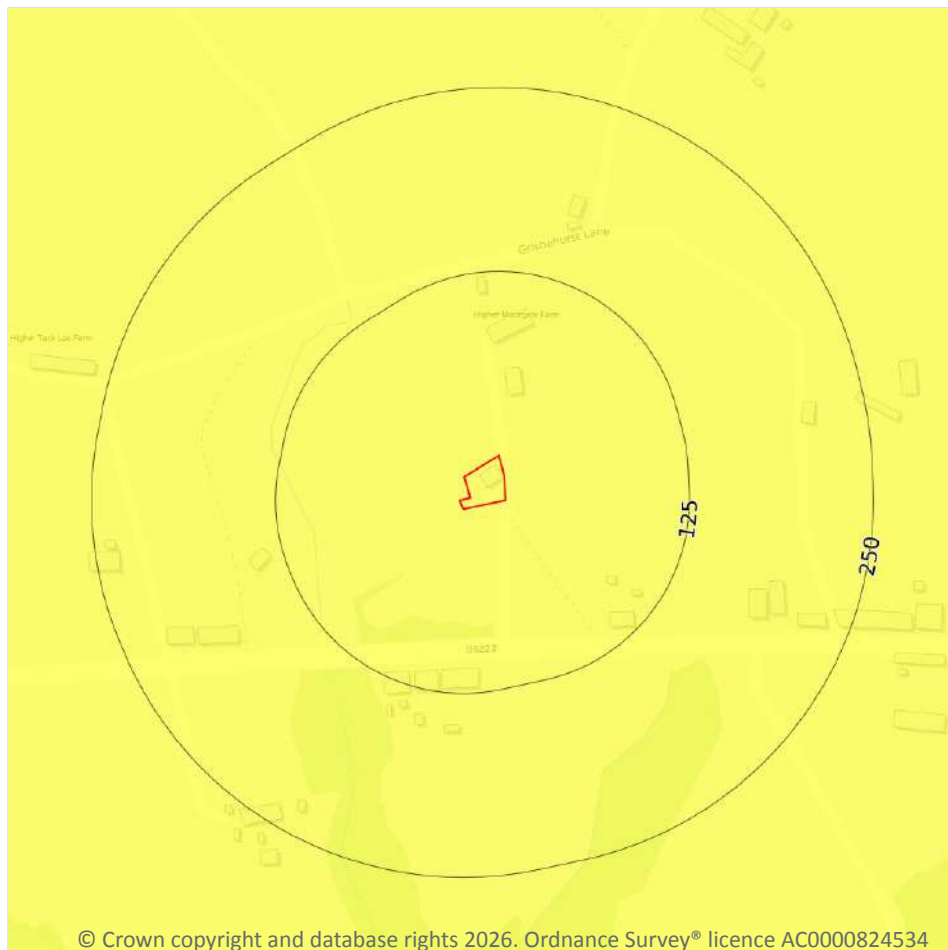
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 90](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



- 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.

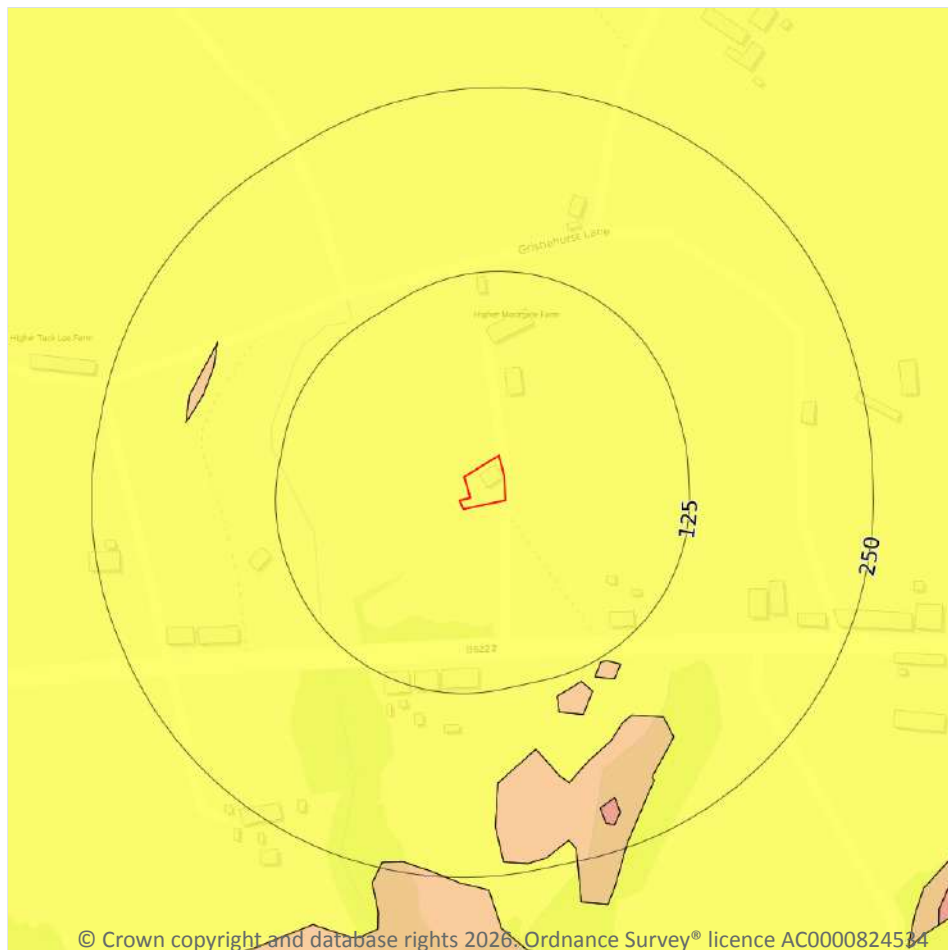
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 91](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



- Site Outline
- Search buffers in metres (m)
- ☐ No data
 - ☐ Negligible
 - ☐ Very low
 - ☐ Low
 - ☐ Moderate
 - ☐ High

17.5 Landslides

Records within 50m

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.

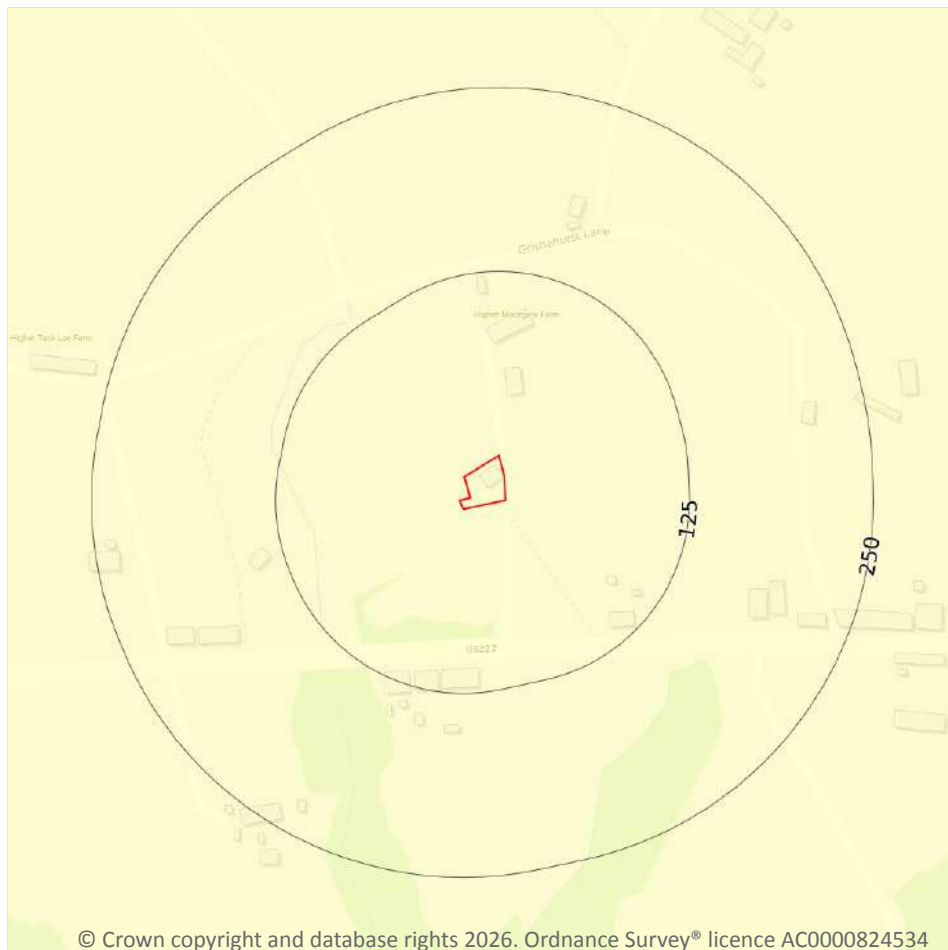
Features are displayed on the Natural ground subsidence - Landslides map on [page 92](#) >

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

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 93](#)

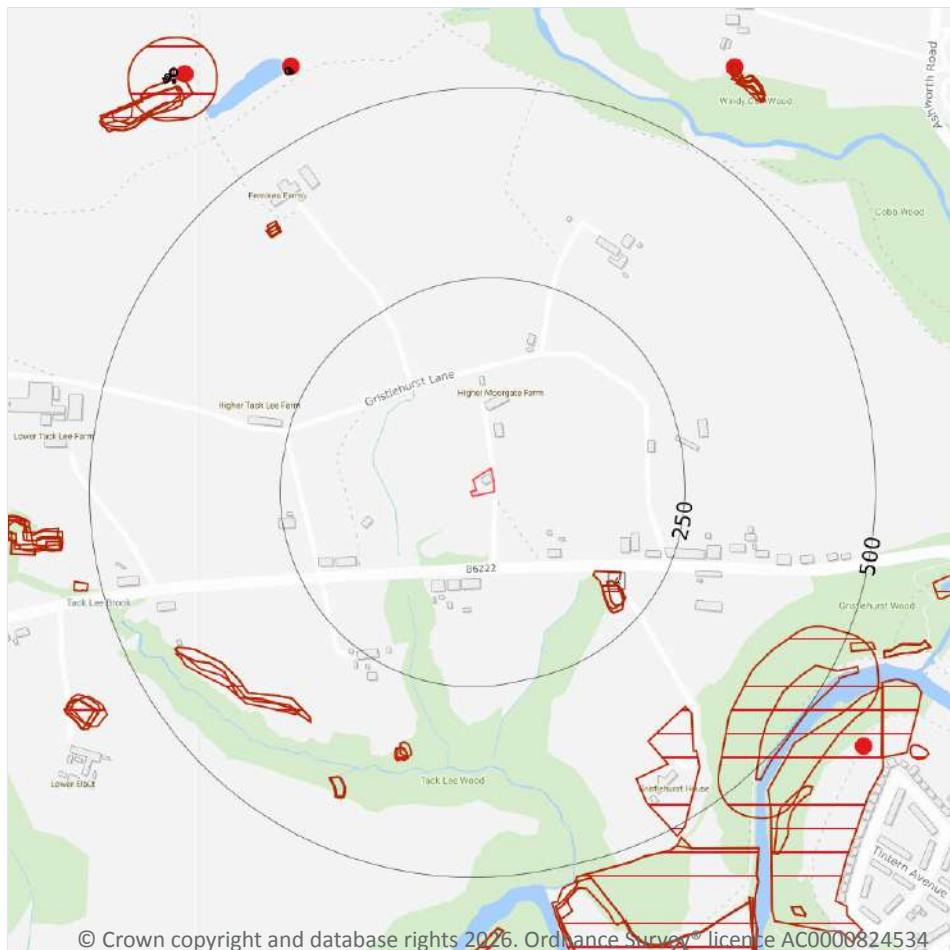
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



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

0

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.

This data is sourced from the British Geological Survey.



18.2 Surface ground workings

Records within 250m

5

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 95 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	168m SE	Gravel Pit	1956	1:10560
A	188m SE	Gravel Pit	1938	1:10560
A	188m SE	Gravel Pit	1928	1:10560
A	190m SE	Unspecified Pit	1983	1:10000
A	190m SE	Unspecified Pit	1967	1:10560

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

18.3 Underground workings

Records within 1000m

7

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

Features are displayed on the Mining and ground workings map on [page 95 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
M	580m NW	Unspecified Shaft	1891	1:10560
M	581m NW	Ventilating Shaft	1908	1:10560
O	651m NW	Unspecified Shaft	1891	1:10560
O	657m NW	Unspecified Old Shaft	1928	1:10560
O	658m NW	Unspecified Disused Shaft	1983	1:10000
O	658m NW	Unspecified Disused Shaft	1967	1:10560
O	659m NW	Unspecified Old Shaft	1956	1:10560

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



18.4 Underground mining extents

Records within 500m**0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m**0**

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site**0**

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m**0**

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



Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

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

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

This data is sourced from the Coal Authority.



18.13 Brine areas

Records on site	0
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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
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0
-----------------	---

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

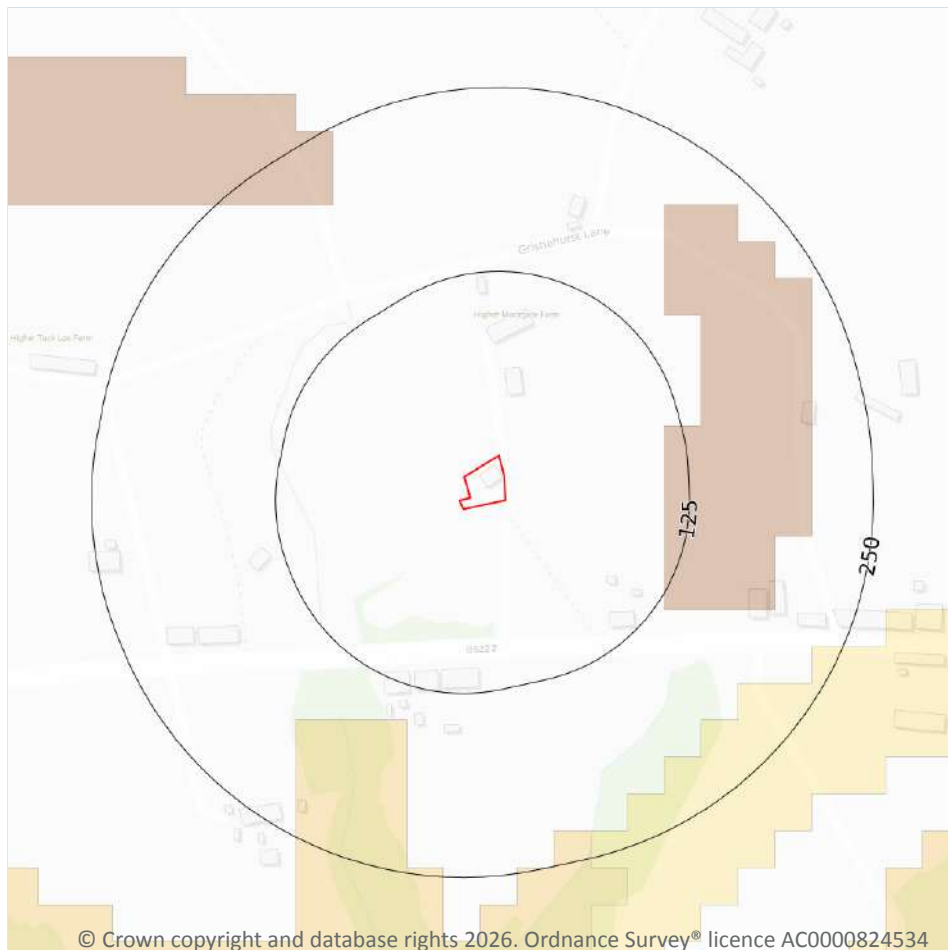
Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



- Site Outline**
- Search buffers in metres (m)**
- Greater than 30%
 - Between 10% and 30%
 - Between 5% and 10%
 - Between 3% and 5%
 - Between 1% and 3%
 - Less than 1%

20.1 Radon

Records on site

1

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

Features are displayed on the Radon map on [page 102 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



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



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

3

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 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	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 - 2.2 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 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.

Data providers

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

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Site details:	CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ
Client ref:	C871
Report ref:	GS-I3O-E7X-CMS-MG5
Grid ref:	384478.48, 412159.61
Production date:	17 February 2026

Map name:	County Series
Map date:	1851
Scale:	1:10,560
Printed at:	1:10,560



Date: 1851
Surveyed: 1847
Edition: 1851

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info@groundsure.com
01273 257 755



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Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: County Series

Map date: 1890-1891

Scale: 1:10,560

Printed at: 1:10,560



Date: 1890 Surveyed: 1890 Revised: 1890	
Date: 1891 Surveyed: 1891 Revised: 1891	Date: 1890 Surveyed: 1890 Revised: 1890

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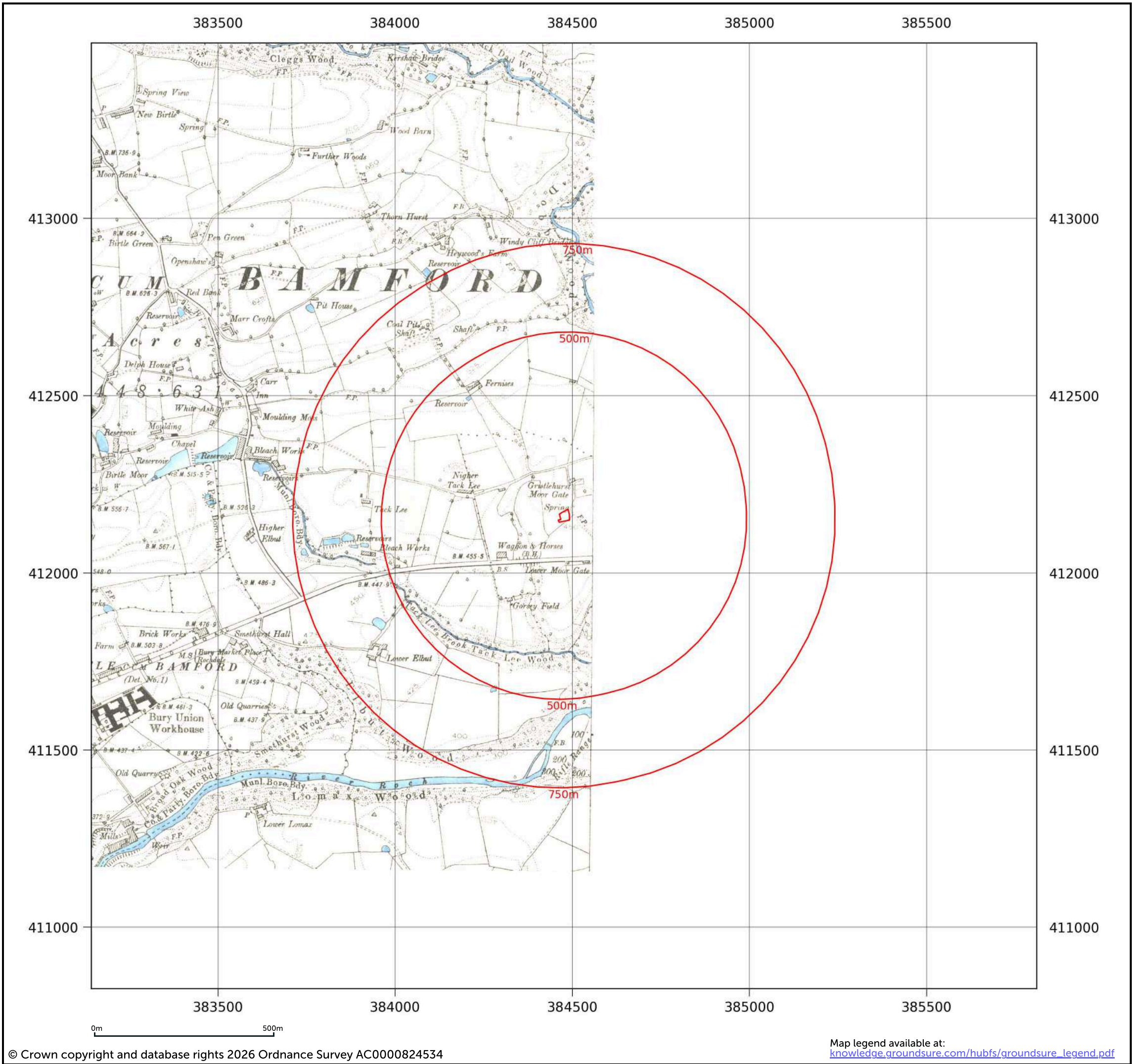
Site details:	CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ
Client ref:	C871
Report ref:	GS-I3O-E7X-CMS-MG5
Grid ref:	384478.48, 412159.61
Production date:	17 February 2026

Map name:	County Series
Map date:	1891
Scale:	1:10,560
Printed at:	1:10,560



Date: 1891 Surveyed: 1891 Revised: 1891

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Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: County Series

Map date: 1908-1909

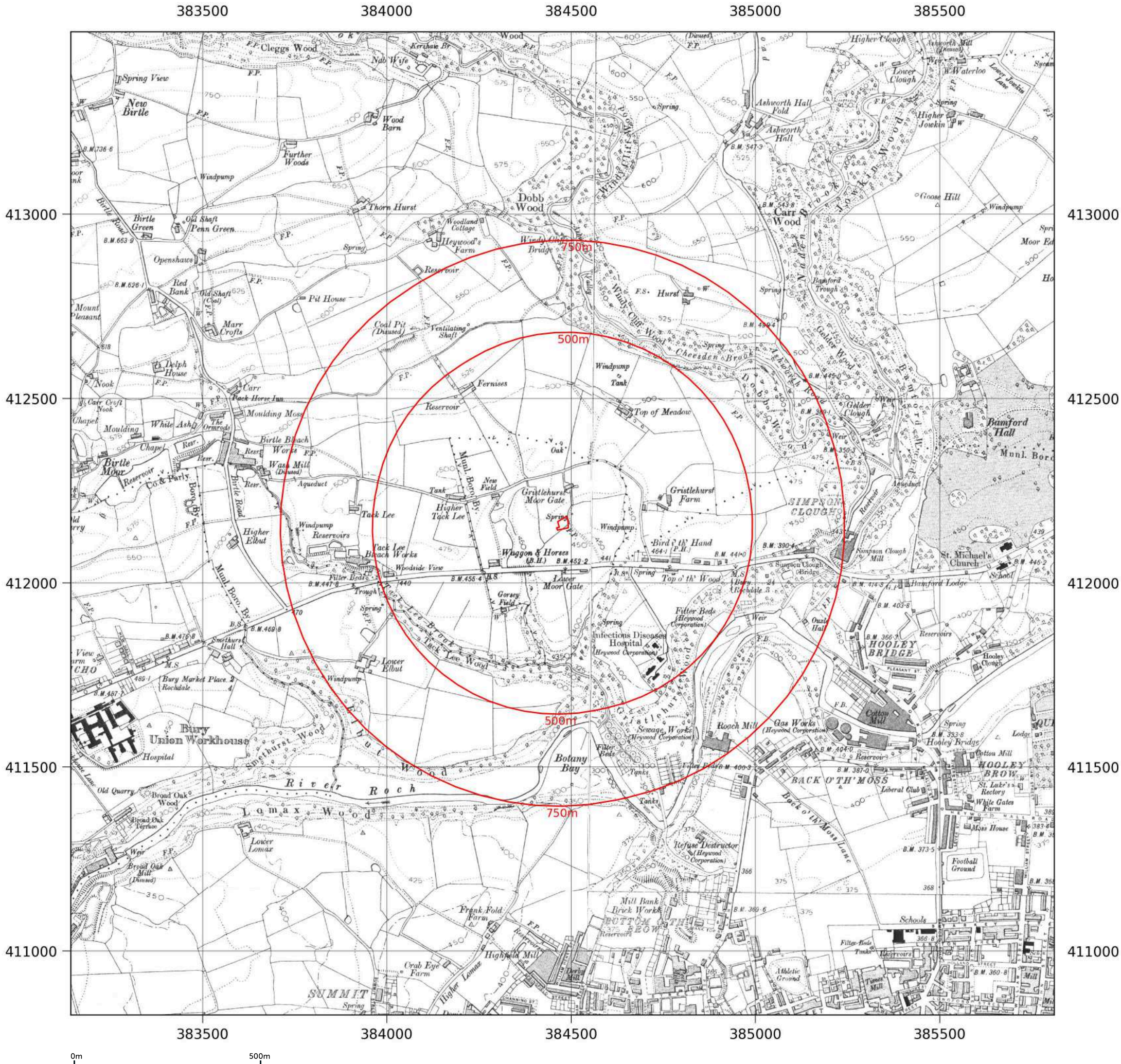
Scale: 1:10,560

Printed at: 1:10,560



Date: 1908 Surveyed: 1848 Revised: 1908	Date: 1908 Surveyed: 1848 Revised: 1908
Date: 1908 Surveyed: 1844 Revised: 1908	Date: 1909 Surveyed: 1848 Revised: 1909

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Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: County Series

Map date: 1928

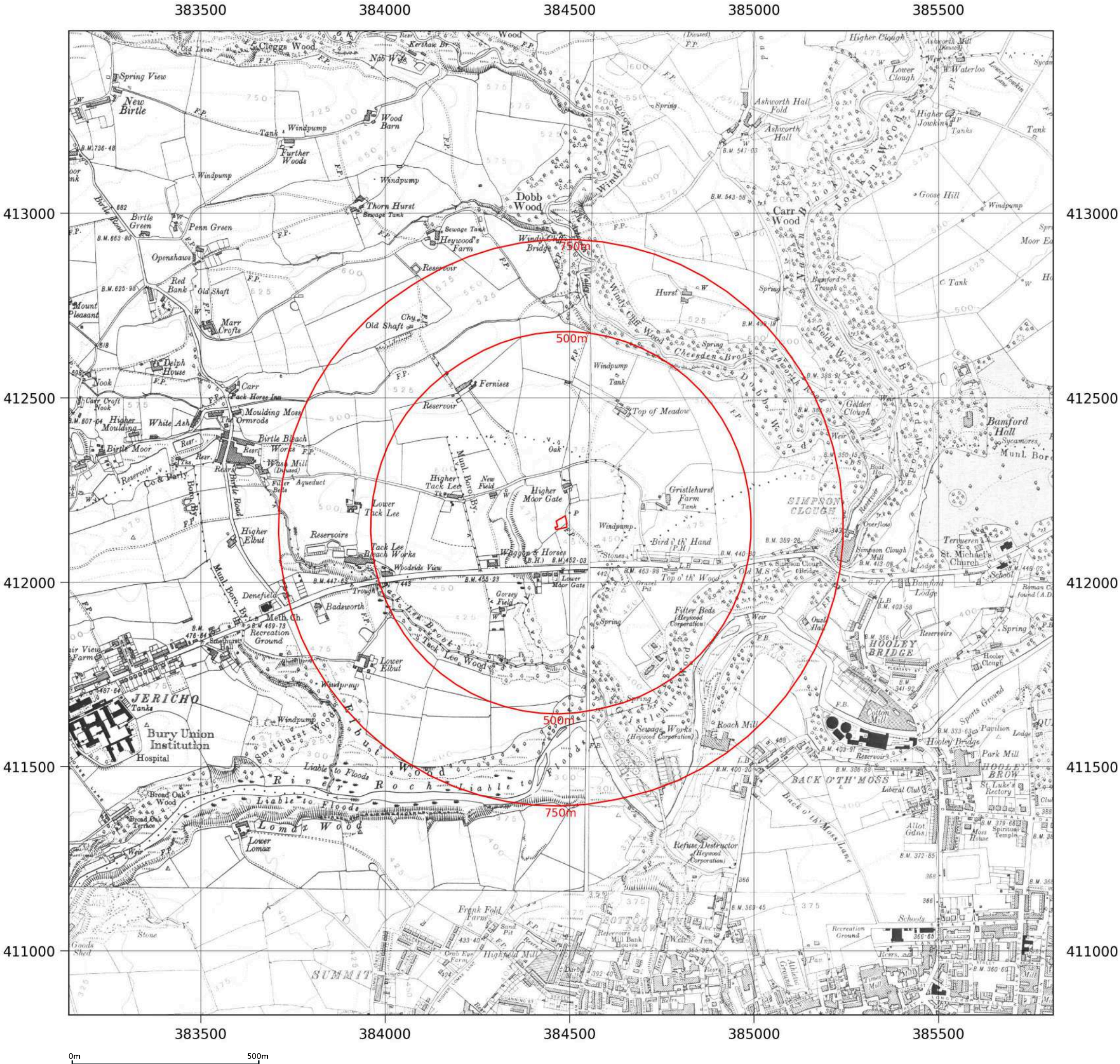
Scale: 1:10,560

Printed at: 1:10,560



Date: 1928 Surveyed: 1848 Revised: 1928	Date: 1928 Surveyed: 1848 Revised: 1928
Date: 1928 Surveyed: 1844 Revised: 1928	Date: 1928 Surveyed: 1848 Revised: 1928

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Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: County Series

Map date: 1938

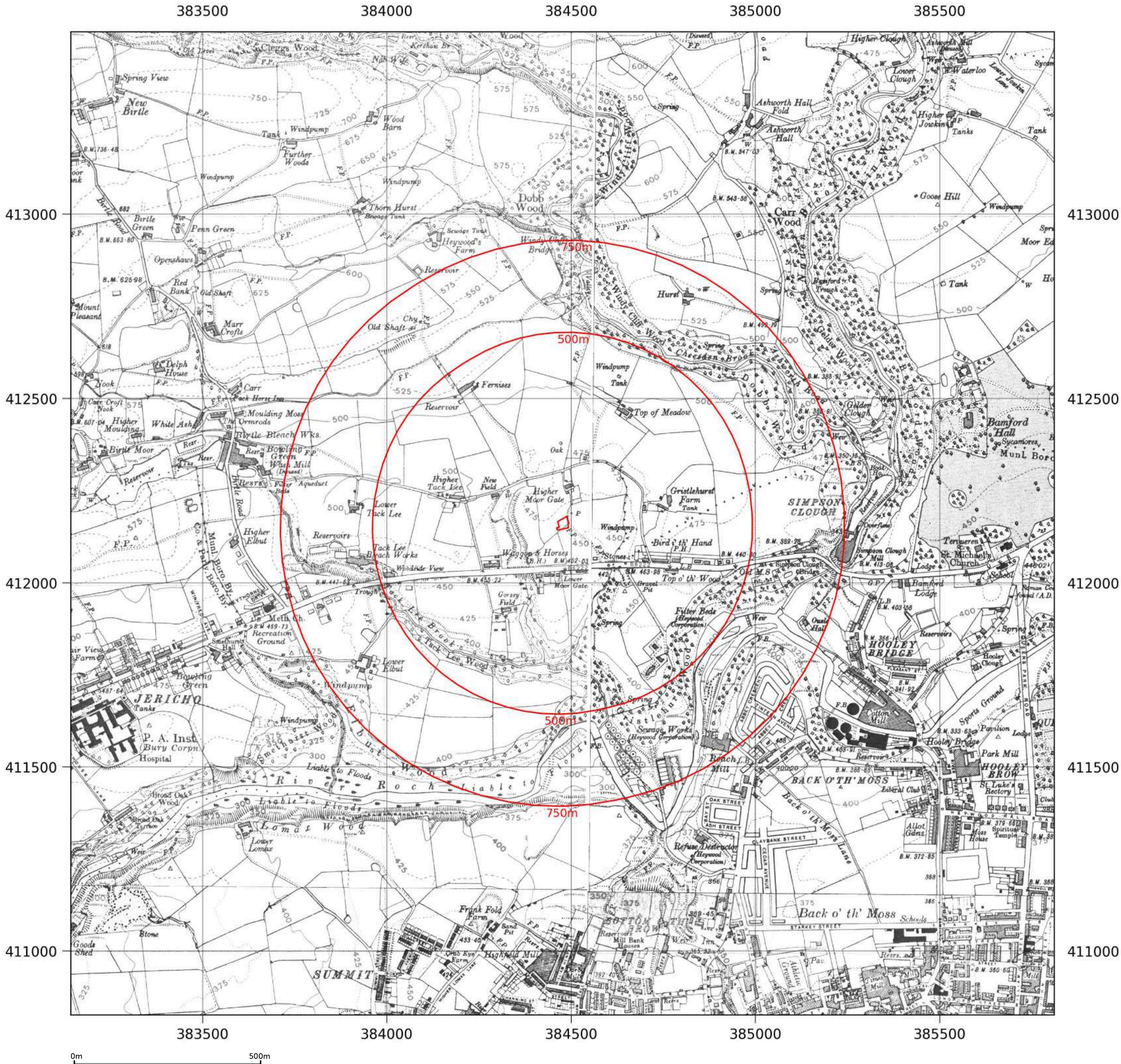
Scale: 1:10,560

Printed at: 1:10,560



Date: 1938 Surveyed: 1848 Revised: 1938	Date: 1938 Surveyed: 1848 Revised: 1938
Date: 1938 Surveyed: 1844 Revised: 1938	Date: 1938 Surveyed: 1848 Revised: 1938

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Client ref: C871

Report ref: GS-I30-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: Provisional

Map date: 1956

Scale: 1:10,560

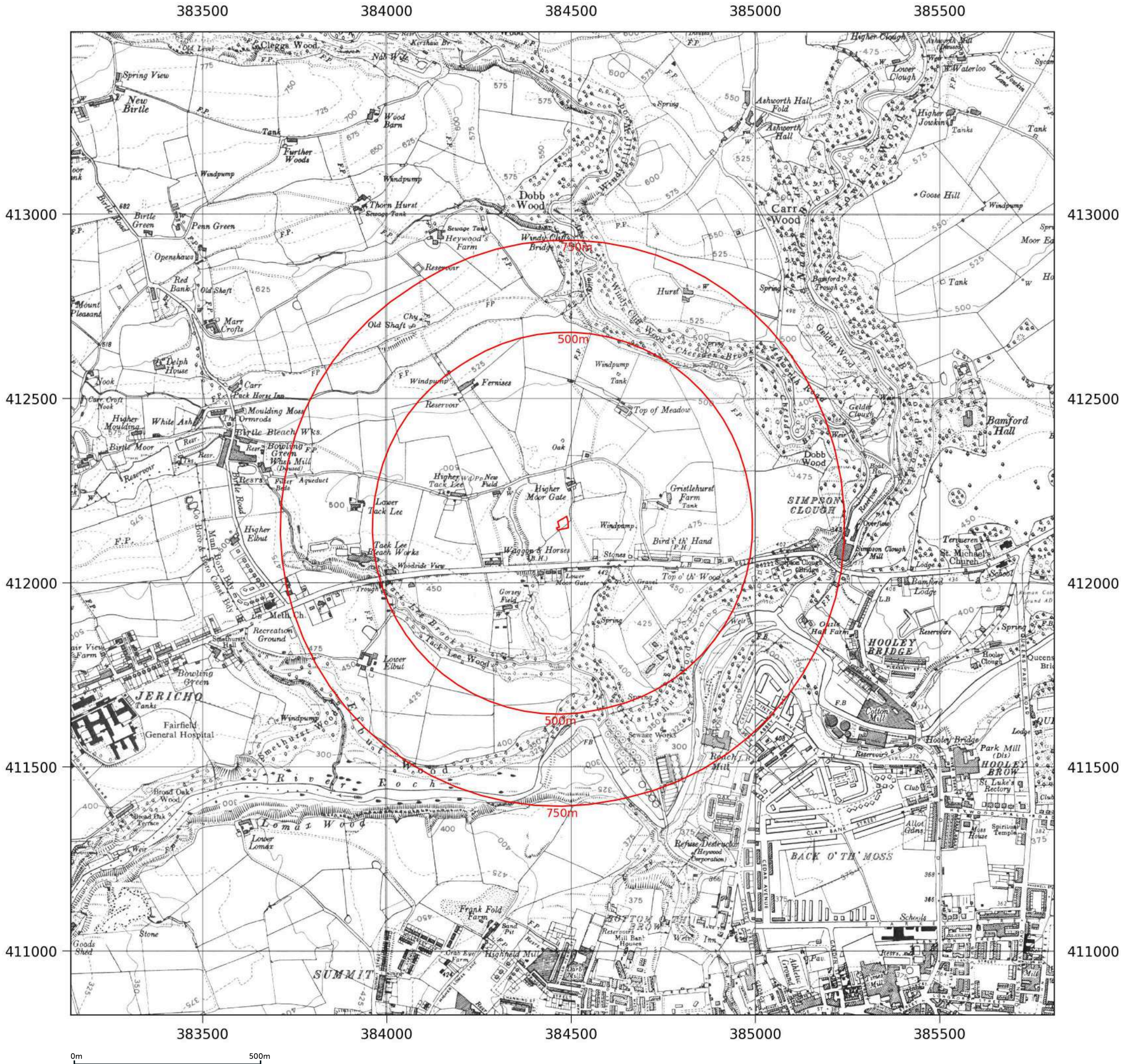
Printed at: 1:10,560



Date: 1956
Surveyed: 1949
Revised: 1949
Copyright: 1956

Date: 1956
Revised: 1955
Edition: 1956

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Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: Provisional

Map date: 1967-1968

Scale: 1:10,560

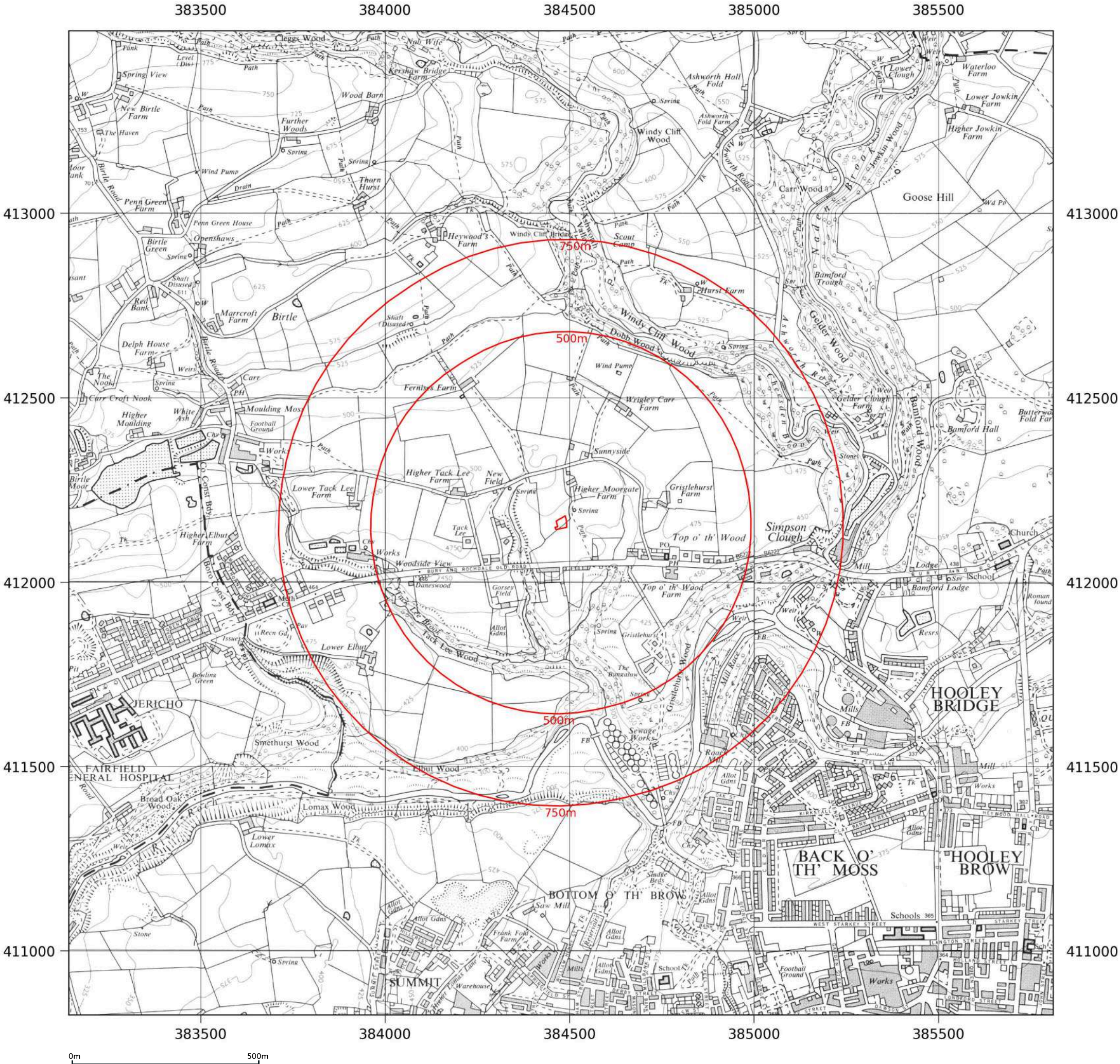
Printed at: 1:10,560



Date: 1967
Surveyed: 1967
Revised: 1967

Date: 1968
Surveyed: 1968
Revised: 1968

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Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: National Grid

Map date: 1983-1987

Scale: 1:10,000

Printed at: 1:10,000



Date: 1983 Surveyed: 1977 Revised: 1983	Date: 1987 Surveyed: 1984 Revised: 1987
---	---

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Client ref:

C871

Report ref:

GS-I3O-E7X-CMS-MG5

Grid ref:

384478.48, 412159.61

Production date:

17 February 2026

Map name:

National Grid

Map date:

2001

Scale:

1:10,000

Printed at:

1:10,000

Date: 2001

Date: 2001

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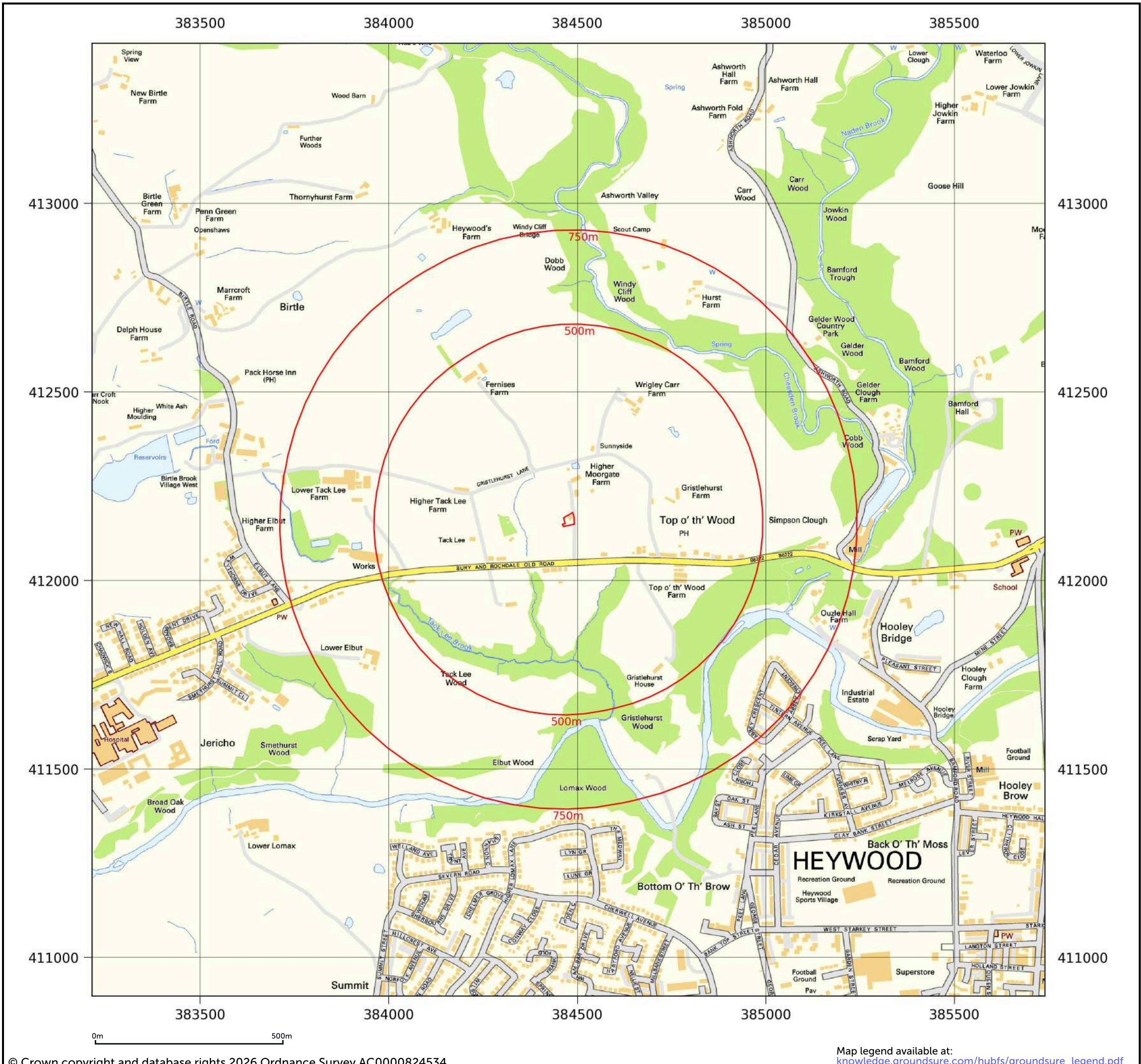
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Client ref:	C871
Report ref:	GS-I3O-E7X-CMS-MG5
Grid ref:	384478.48, 412159.61
Production date:	17 February 2026

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



Date: 2010	Date: 2010
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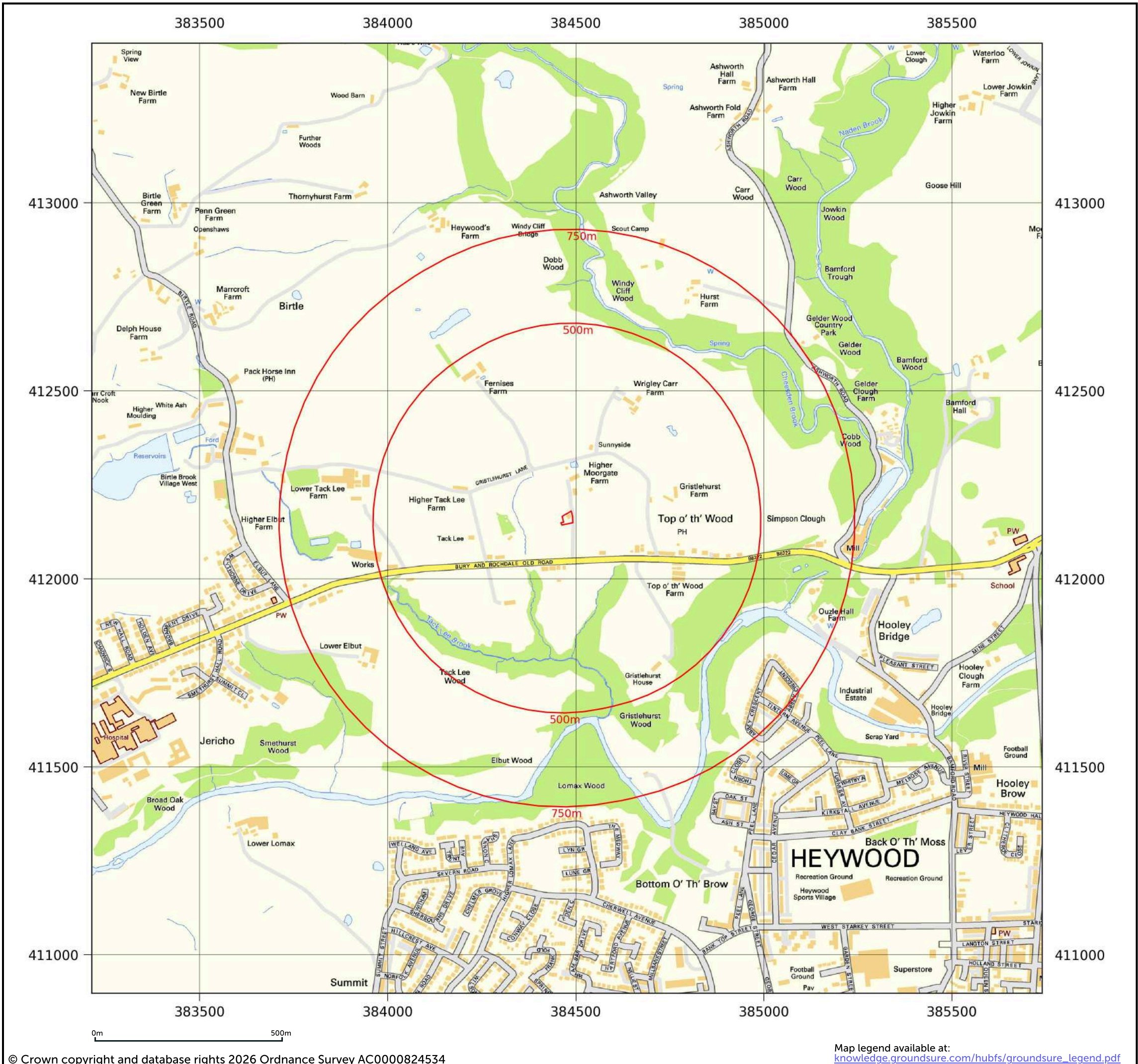
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Client ref:	C871
Report ref:	GS-I3O-E7X-CMS-MG5
Grid ref:	384478.48, 412159.61
Production date:	17 February 2026

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



Date: 2015	Date: 2015
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CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ

Client ref:

C871

Report ref:

GS-I3O-E7X-CMS-MG5

Grid ref:

384478.48, 412159.61

Production date:

17 February 2026

Map name:

National Grid

Map date:

2025

Scale:

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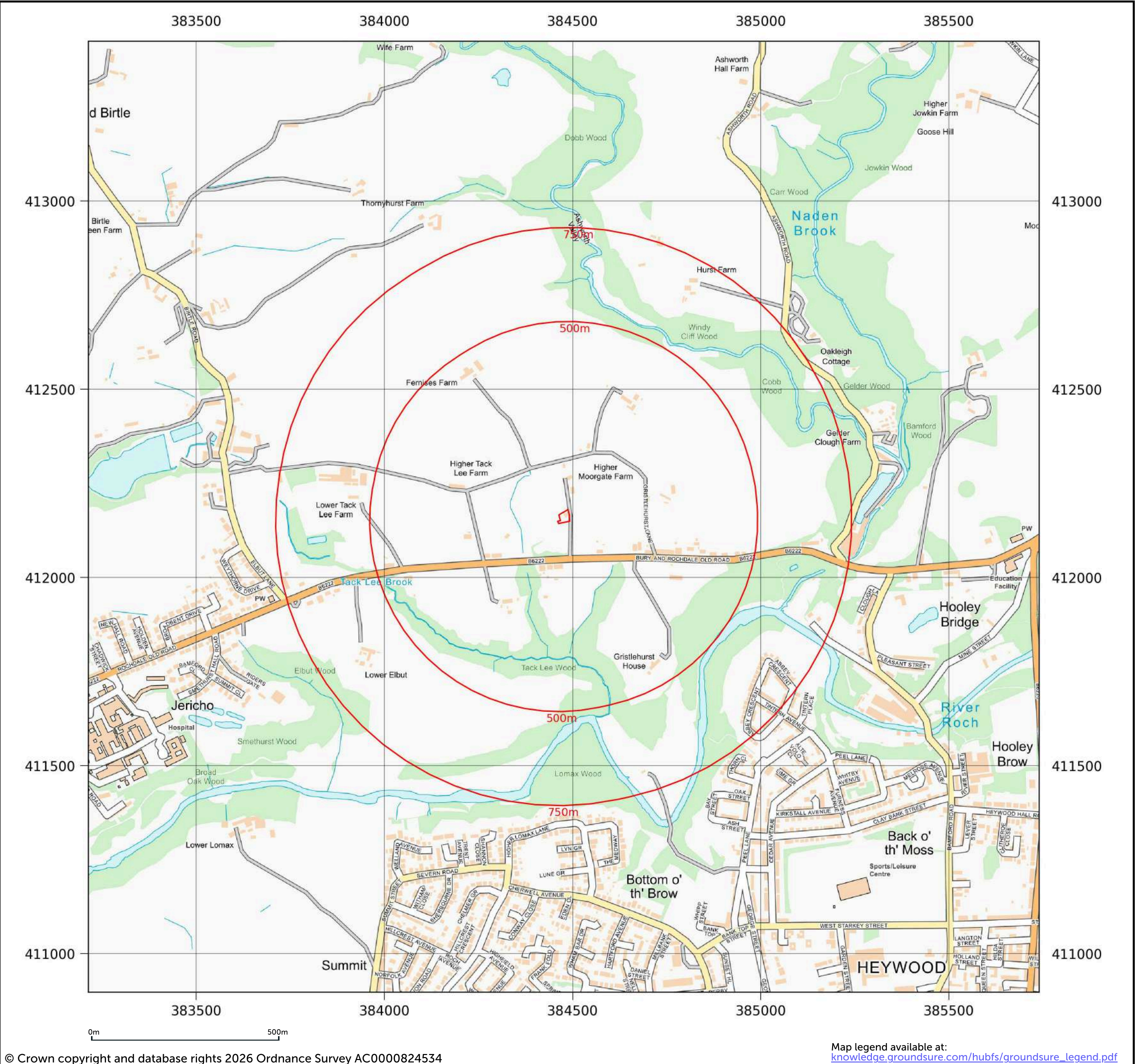
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Date: 2025

Date: 2025

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info@groundsure.com
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Site details:

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Client ref:

C871

Report ref:

GS-I3O-E7X-CMS-MG5

Grid ref:

384478.48, 412159.61

Production date:

17 February 2026

Map name:

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Map date:

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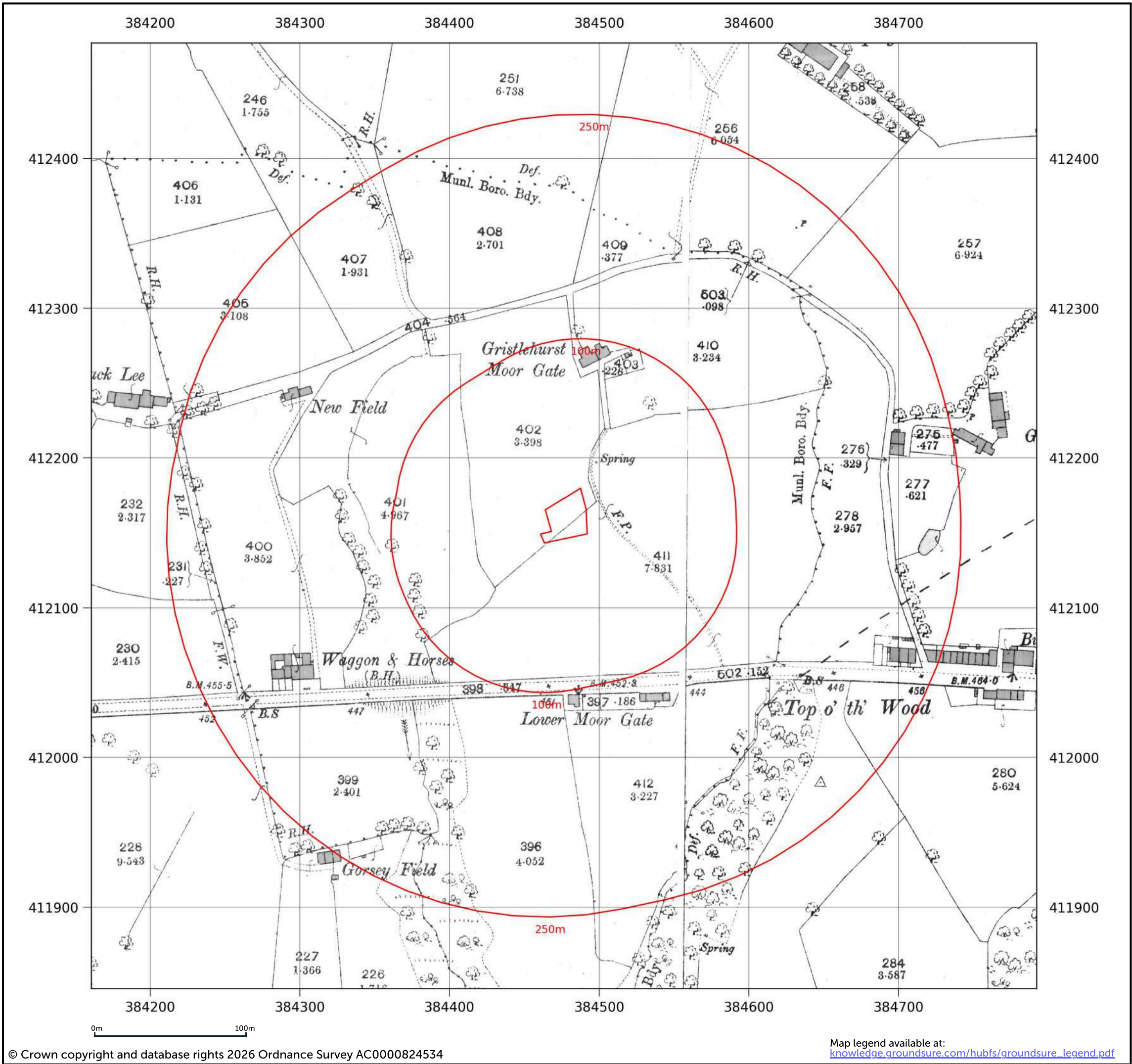
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Printed at:

1:2,500

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Surveyed: 1890
Revised: 1890

Date: 1890
Surveyed: 1890
Revised: 1890



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Site details:

CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ

Client ref:

C871

Report ref:

GS-I3O-E7X-CMS-MG5

Grid ref:

384478.48, 412159.61

Production date:

17 February 2026

Map name:

County Series

Map date:

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Scale:

1:2,500

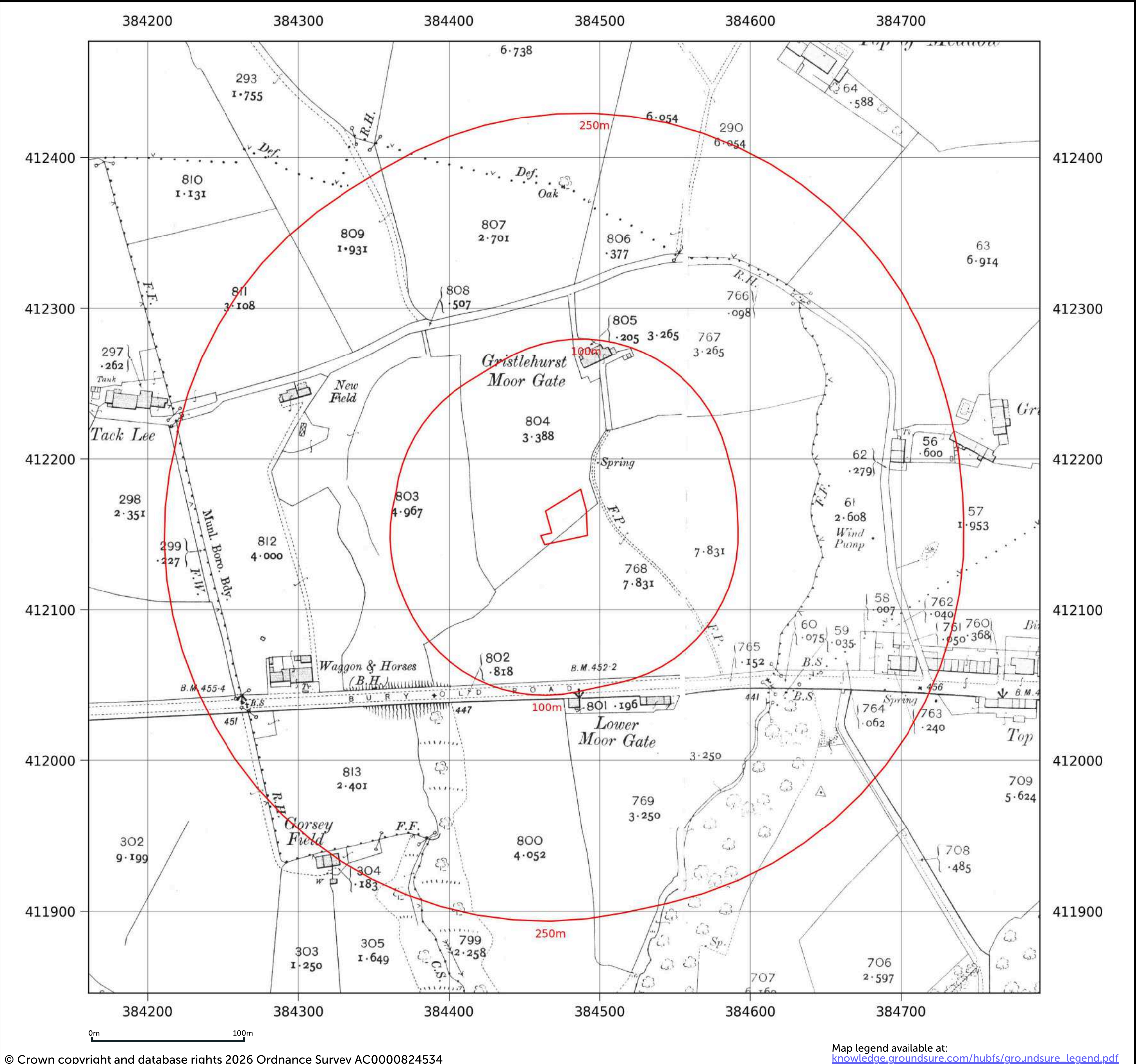
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Date: 1910
Surveyed: 1910
Revised: 1910

Date: 1910
Surveyed: 1910
Revised: 1910

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Site details: CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ

Client ref: C871

Report ref: GS-I30-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: County Series

Map date: 1930

Scale: 1:2,500

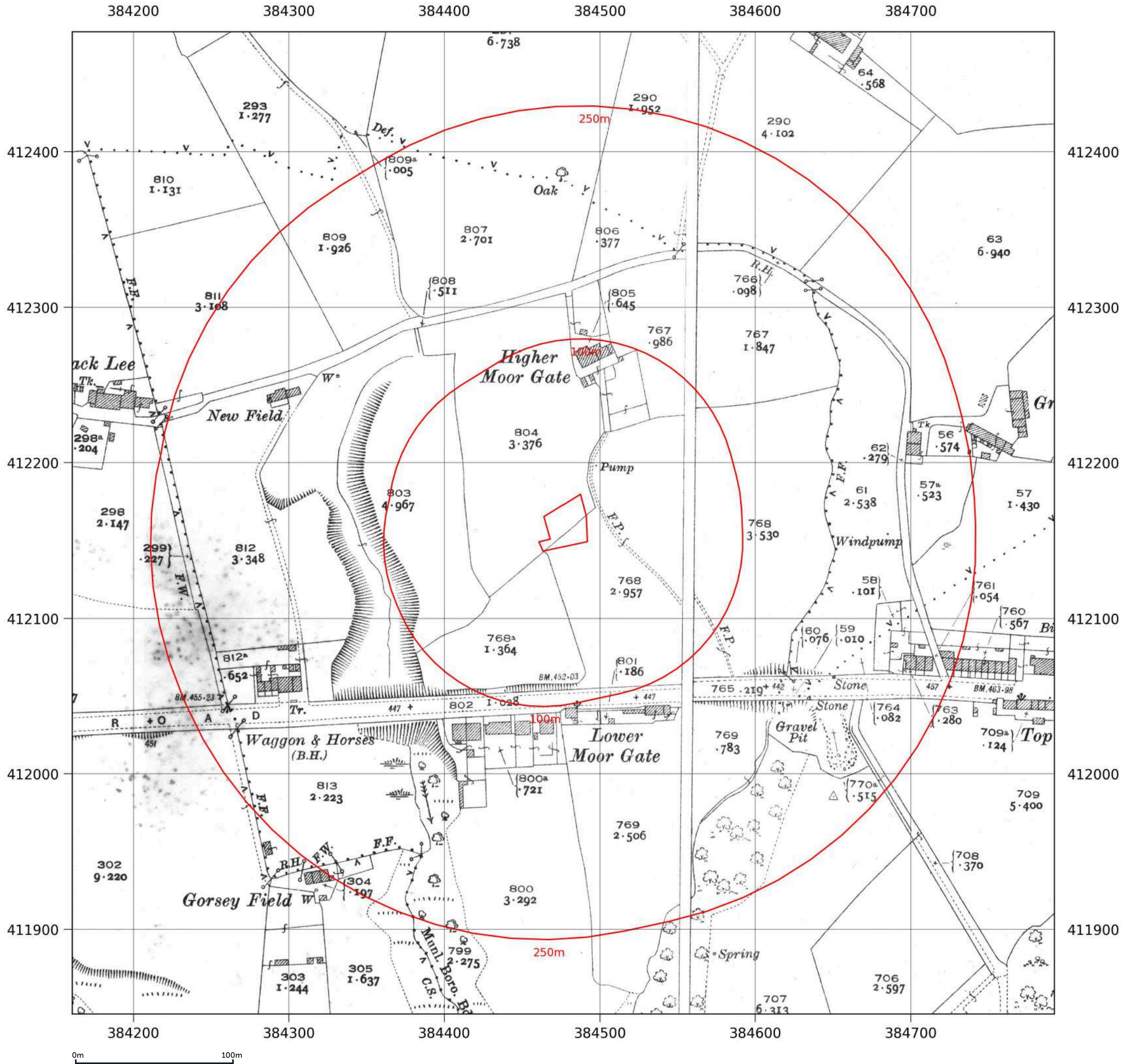
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Date: 1930
Surveyed: 1930
Revised: 1930

Date: 1930
Surveyed: 1930
Revised: 1930

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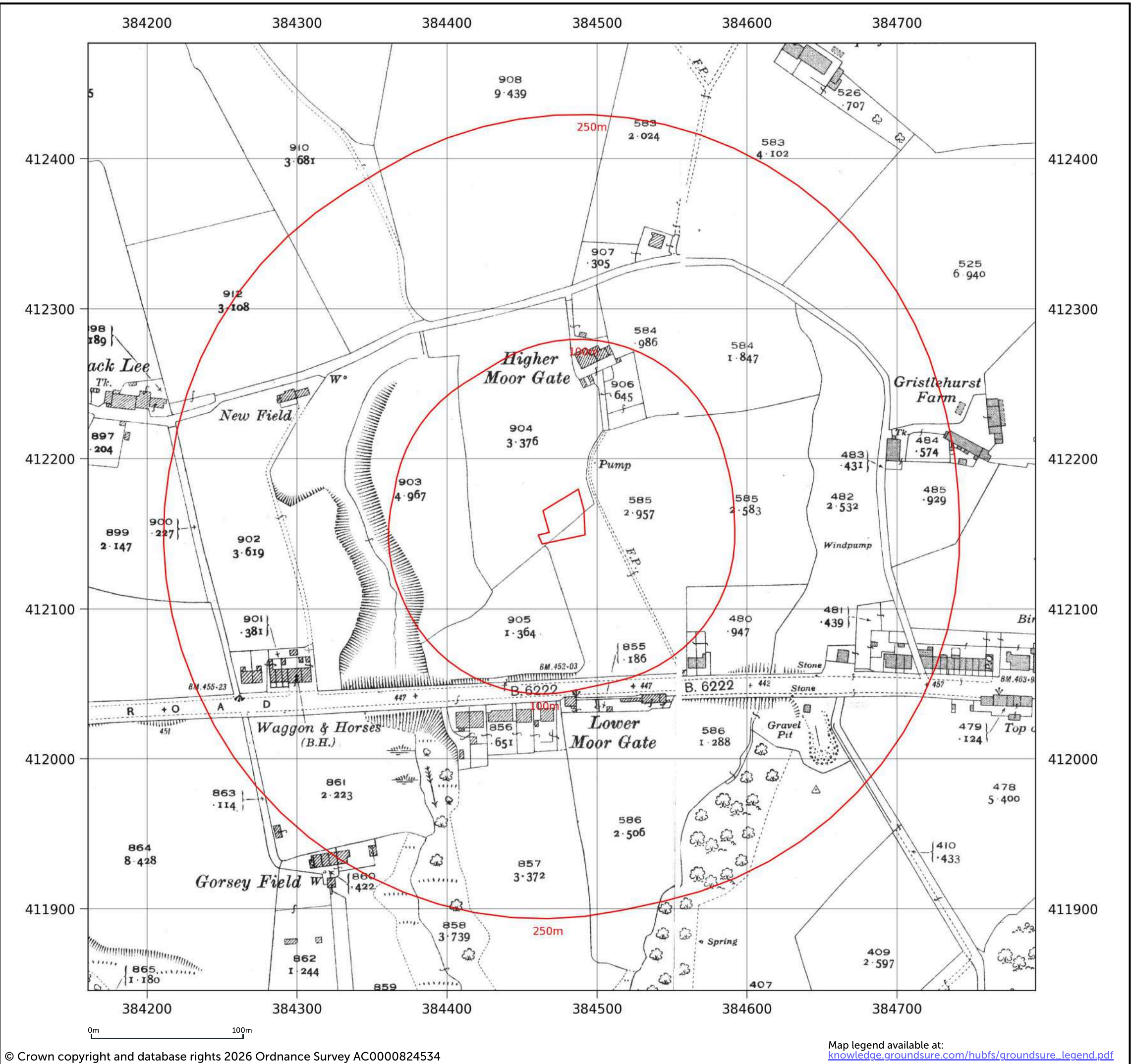
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Client ref:	C871
Report ref:	GS-I3O-E7X-CMS-MG5
Grid ref:	384478.48, 412159.61
Production date:	17 February 2026

Map name:	County Series
Map date:	1937
Scale:	1:2,500
Printed at:	1:2,500



Date: 1937 Surveyed: 1937 Revised: 1937	Date: 1937 Surveyed: 1937 Revised: 1937
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Site details:

CENTRE OF POND 36M
FROM HIGHER MOORGATE
FARM, GRISTLEHURST LANE
13M FROM GRISTLEHURST
LANE, GRISTLEHURST LANE,
HEYWOOD, ROCHDALE,
OL10 4BJ

Client ref:

C871

Report ref:

GS-I3O-E7X-CMS-MG5

Grid ref:

384478.48, 412159.61

Production date:

17 February 2026

Map name:

National Grid

Map date:

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Scale:

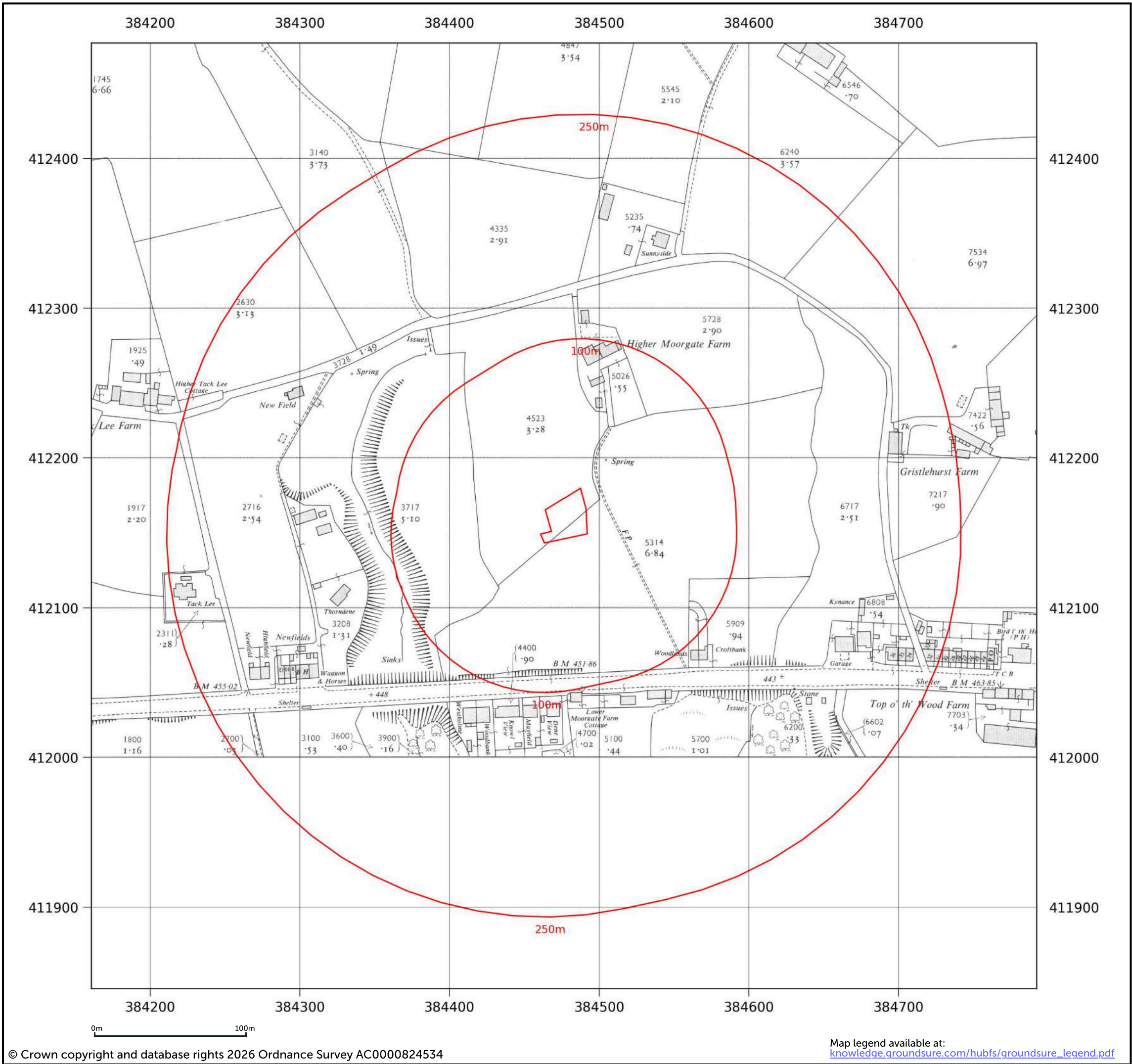
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Printed at:

1:2,500

Date: 1963
Surveyed: 1961
Revised: 1961
Copyright: 1963
Levelled: 1956

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Site details:

CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ

Client ref:

C871

Report ref:

GS-I3O-E7X-CMS-MG5

Grid ref:

384478.48, 412159.61

Production date:

17 February 2026

Map name:

National Grid

Map date:

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1:2,500

Printed at:

1:2,500

W

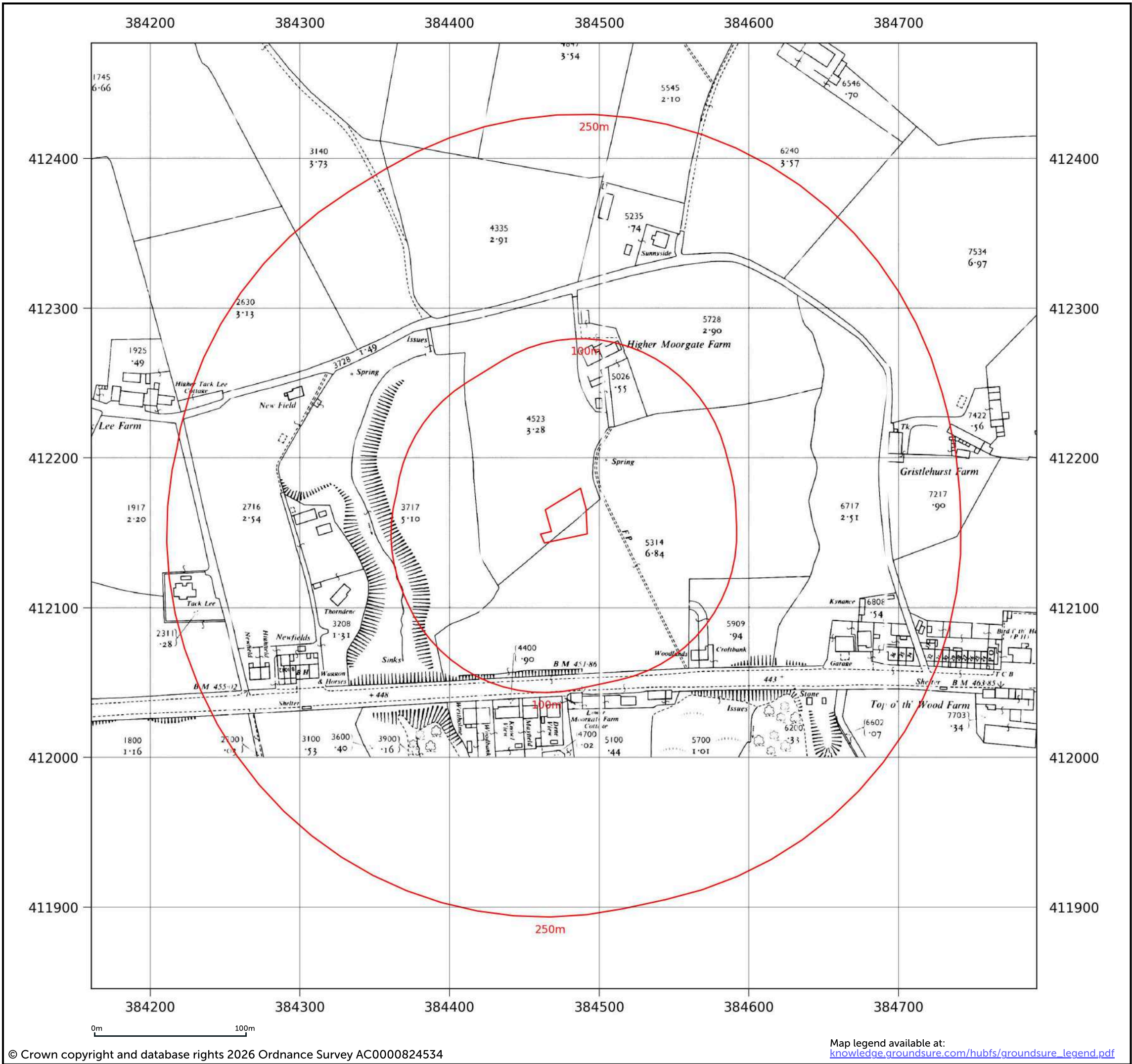
N

E

S

Date: 1963

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Site details: CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ

Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: National Grid

Map date: 1976

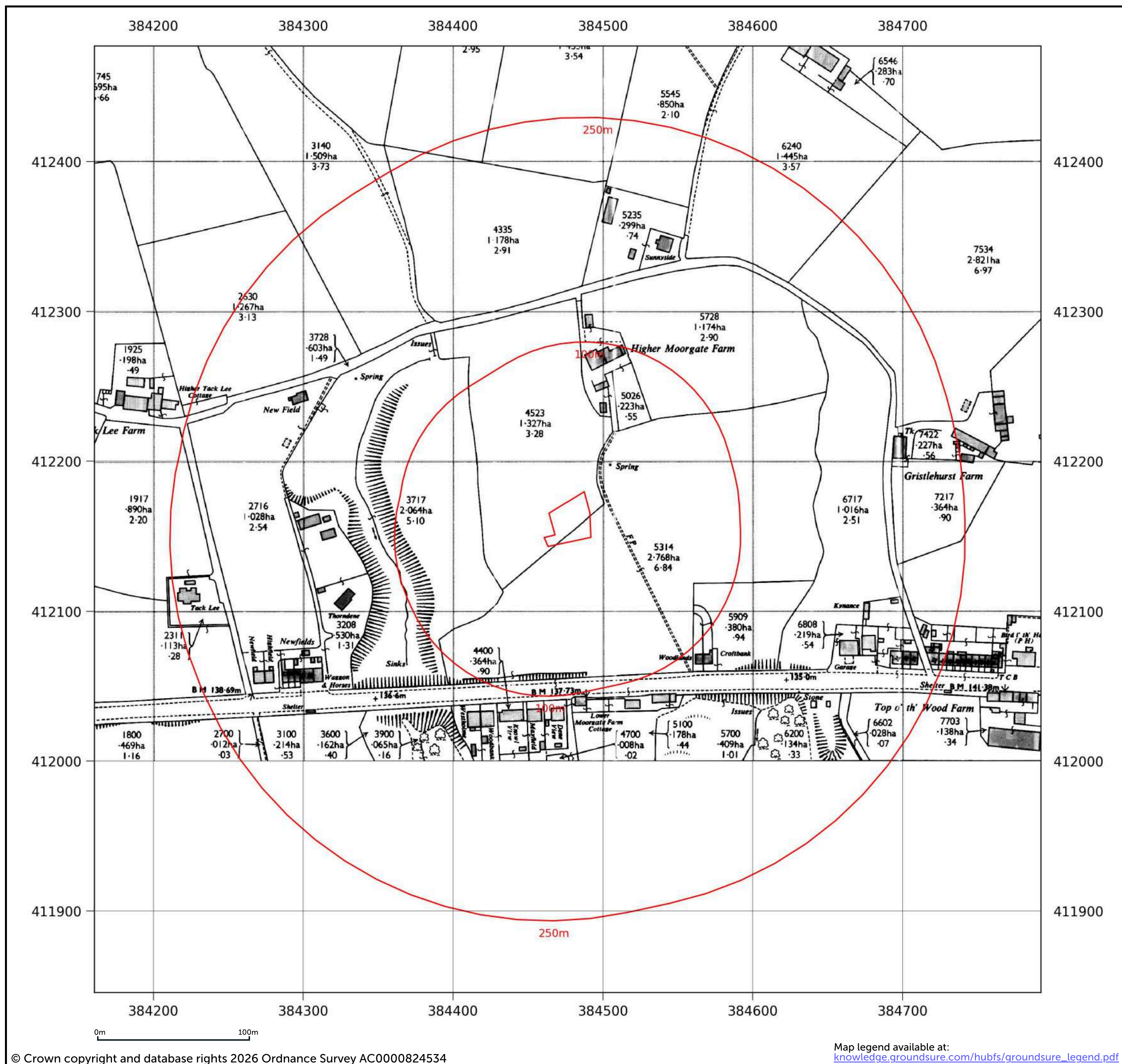
Scale: 1:2,500

Printed at: 1:2,500



Date: 1976

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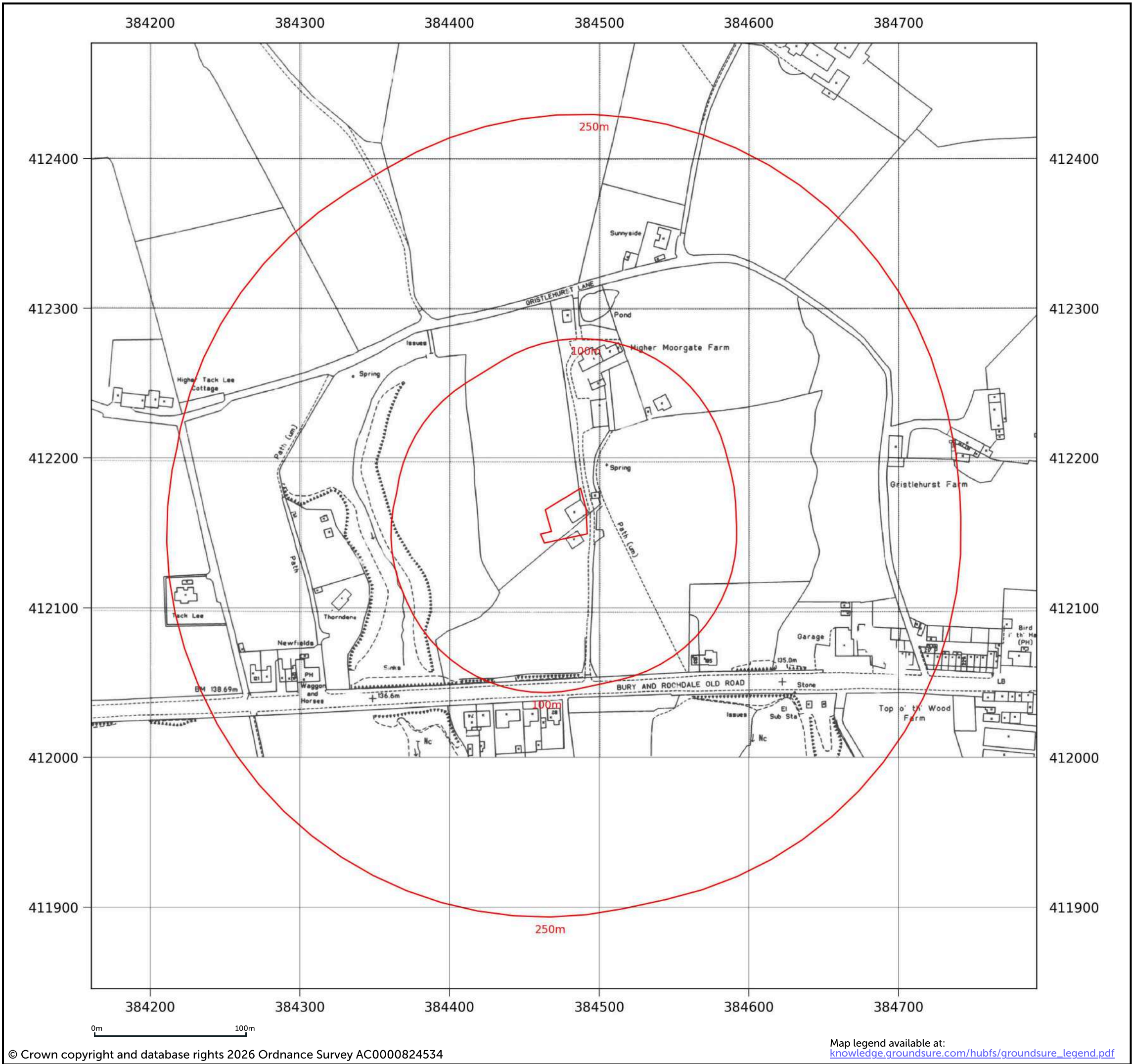
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Client ref:	C871
Report ref:	GS-I3O-E7X-CMS-MG5
Grid ref:	384478.48, 412159.61
Production date:	17 February 2026

Map name:	National Grid
Map date:	1992
Scale:	1:2,500
Printed at:	1:2,500



Date: 1992

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Site details:

CENTRE OF POND 36M
FROM HIGHER MOORGATE
FARM, GRISTLEHURST LANE
13M FROM GRISTLEHURST
LANE, GRISTLEHURST LANE,
HEYWOOD, ROCHDALE,
OL10 4BJ

Client ref:

C871

Report ref:

GS-I3O-E7X-CMS-MG5

Grid ref:

384478.48, 412159.61

Production date:

17 February 2026

Map name:

National Grid

Map date:

1992

Scale:

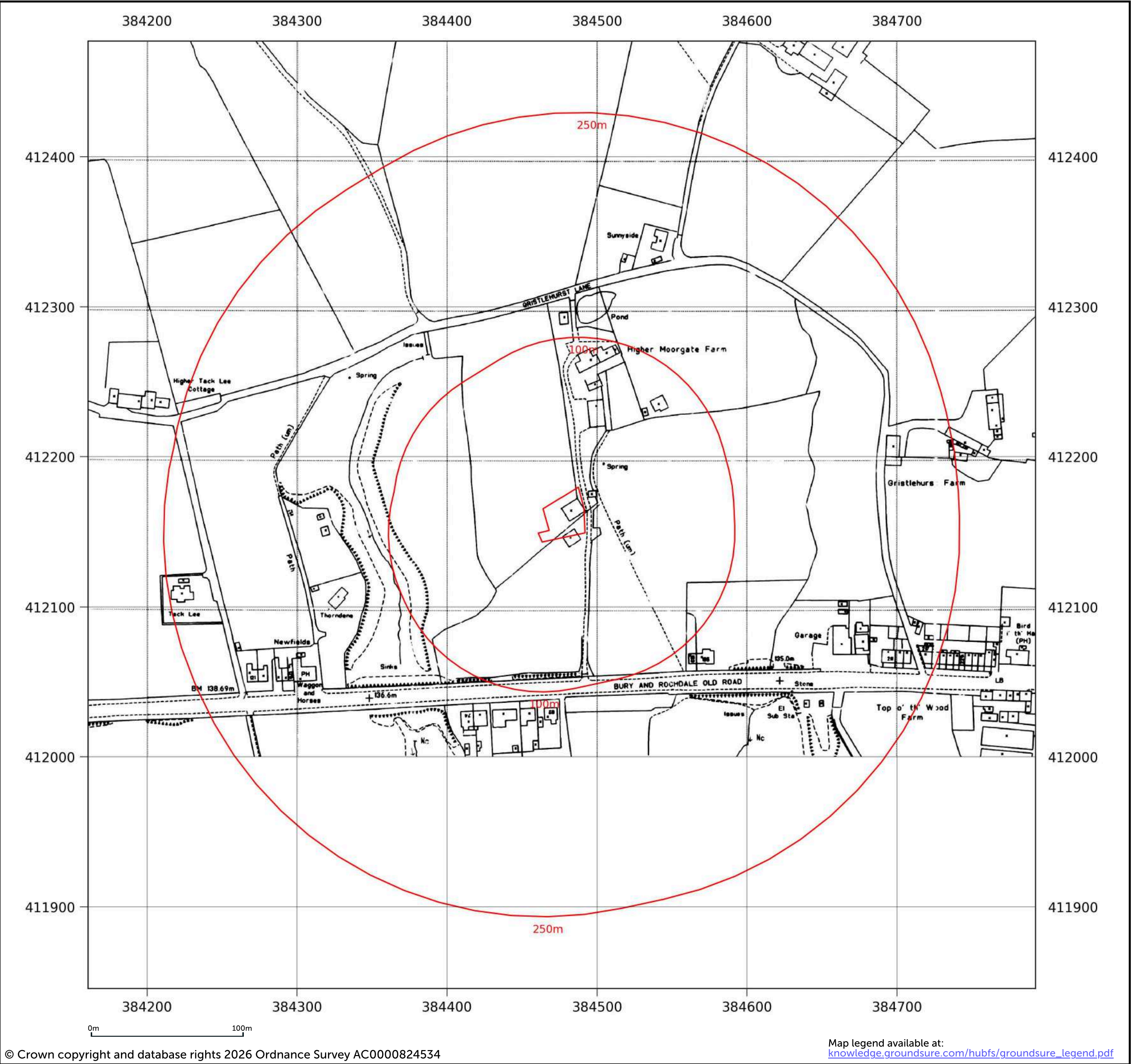
1:2,500

Printed at:

1:2,500

Date: 1992
Surveyed: 1992
Copyright: 1992

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Site details: CENTRE OF POND 36M FROM HIGHER MOORGATE FARM, GRISTLEHURST LANE 13M FROM GRISTLEHURST LANE, GRISTLEHURST LANE, HEYWOOD, ROCHDALE, OL10 4BJ

Client ref: C871

Report ref: GS-I3O-E7X-CMS-MG5

Grid ref: 384478.48, 412159.61

Production date: 17 February 2026

Map name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



Date: 2003

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APPENDIX C

PHOTOGRAPHS



Project Number: C871	Project Name: Land south of Higher Moorgate Cottage
Client: JHA Pulmann Ltd	Document Name: Site Walkover Photographs: Photo 1 – Former chicken shed. Photo 2 – cut earthworks face to the rear of the building looking north.



APPENDIX D

DEFINITIONS AND CLASSIFICATIONS OF RISK ASSESSMENT TERMINOLOGY

Definitions and Classifications of Risk Assessment Terminology.

Probability

Probability can be defined as the chance of a particular event occurring in a given period of time.

Descriptions of each of the four qualitative terms to be used in this report to describe the perceived probability of any identified pollutant linkage becoming realised are shown below in Table W.

Term	Description
High Likelihood	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution.
Likely	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.
Low Likelihood	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.
Unlikely	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.

Table W. Description of Probability Classifications

Severity

Severity (consequence) can be defined as the adverse effects (or harm) arising from a defined hazard, which impairs the quality of human health or the environment in the short or longer term.

Descriptions of each of the four qualitative terms to be use in this report to describe the perceived potential severity of any identified pollutant linkage becoming realised are shown below in Table X.

Term	Description
Severe	Highly elevated concentrations likely to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs. Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population. Catastrophic damage to crops, buildings or property.
Medium	Elevated concentrations which could result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs. Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.
Mild	Exposure to human health unlikely to lead to "significant harm". Equivalent to EA Category 3 pollution incident including minimal or short-lived effect on water quality; marginal effect on amenity value, agriculture or commerce. Minor or short-lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population. Minor damage to crops, buildings or property.
Minor	No measurable effect on humans. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.

Table X. Description of Severity Classifications

Once the severity and probability of a pollutant linkage has been determined the risk can be assessed using the risk matrix shown overleaf on Table Y.

Risk Matrix

By cross referencing the derived severity and probability in Table Y, below the perceived potential risk can be determined.

		Severity			
		Severe	Medium	Mild	Minor
Probability	High Likelihood	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

Table Y. Risk Assessment Matrix

The risk categories detailed above are defined below in the following Table Z.

Term	Description
Very High Risk	There is a high probability that significant harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
High Risk	Significant harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
Moderate Risk	It is possible that without appropriate remedial action, harm could arise to a designated receptor but it is relatively unlikely that any such harm would be severe and if any harm were to occur, it is likely that such harm would be relatively mild.
Low Risk	It is possible that significant harm could arise to a designated receptor from an identified hazard but it is likely that at worst this harm if realised would normally be mild.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

Table Z. Definition of Risk