DUNELM
GEOTECHNICAL & ENVIRONMENTAL

REPORT NO: C30965

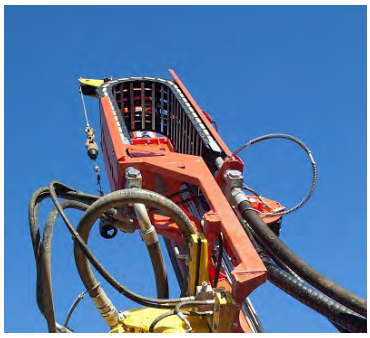
PRELIMINARY INVESTIGATION OF LAND AT

WARREN LANE, TANKERSLEY

PREPARED FOR:

MILTON PETERBOROUGH ESTATE



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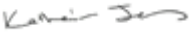
OHS 623618 FS586808 EMS 586809

Contract No.	C30965
Contract Name	Warren Lane, Tankersley

REPORT REVISIONS

Revision No.	Issue Date	Details
C30965_01_00	16.06.2025	Phase 1 Geoenvironmental Appraisal

VERIFICATION

Revision No.	Issue Date		Written By	Checked By	Verified By
C30965_01_00	16.06.2025	**Initials**	KD	KJ	KJ
		Signature			

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1.0 SCOPE OF INVESTIGATION

Dunelm Geotechnical and Environmental Limited (Dunelm) were instructed by Dudleys Consulting Engineers, on behalf of Milton Peterborough Estate, to undertake a Preliminary Investigation (Phase 1 Desk Study) of land at Warren Lane, Tankersley, Sheffield, S35 2YD.

The nature of the proposed site redevelopment is not known at this stage however, it is assumed the end use will be commercial (employment land).

The purpose of this preliminary investigation is to evaluate likely ground conditions and significant geoenvironmental issues at the site, and to plan the scope of subsequent phases of investigation.

This report may be regarded as a Preliminary Risk Assessment in accordance with the Environment Agency's guidance "Land Contamination: Risk Management".

This preliminary investigation has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175:2011, *"Code of Practice for the Investigation of Potentially Contaminated Land"* and relevant sections of BS 5930:2015+A1-2020, *"Code of Practice for Site Investigations"*.

The objectives of the investigation were as follows:

- To determine the land use history of the site from an inspection of available Ordnance Survey (OS) plans.
- To determine the environmental setting of the site from available sources.
- To determine whether past mining may have had an influence on the site.
- To determine whether the site has previously been used for purposes that may have given rise to significant ground contamination.
- To provide recommendations for further investigation.

Information has been obtained from various sources and the full responses received are presented in Appendix C; details relevant to the site are discussed in Sections 3 and 4.

Conditions of offer and notes on limitations relevant to all Dunelm geoenvironmental investigations are described in Appendix D and should be read in conjunction with this report.

2.0 SITE RECONNAISSANCE

2.1 GENERAL

The centre of the site is located at Ordnance Survey Grid Reference 435747, 397783. The site is situated approximately 11km north of Sheffield city centre to the north of Warren Lane. The site location is shown on Drawing No. DUN_C30965_01_00 presented in Appendix A to this report.

The site has an area of 17.51ha.

A preliminary site inspection was undertaken on 10th June 2025 and a selection of site photographs are presented in Appendix B to this report.

Existing site features are shown on Drawing No. DUN_C30965_02_00 presented in Appendix A to this report.

2.2 TOPOGRAPHY & SITE FEATURES

The site is relatively flat-lying with slightly hummocky areas present in the west of the site.

Mature trees are present along the site's northern boundary and sporadically around the site boundaries. A wooded area is present in the central southern and north western site areas.

The A6135 dissects the eastern site areas. Access gates to the site are present from this road into the far eastern site area and the central site area.

Bundles of hay were noted to be stored on site during the walkover in the eastern site areas.

The M1 motorway extends beyond the site's northern boundary.

Residential properties lie to the south of the site.

3.0 SITE HISTORY

In order to determine the history of the site, extracts from historical Ordnance Survey (OS) plans have been examined. Copies of these plans are provided in Appendix C to this report.

A summary of the history of the on-site and off-site features is presented below. 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 site.

SUMMARY OF HISTORICAL INFORMATION

OS Map Edition	On-site Features	Off-site Features
1855	The site comprises undeveloped fields with the northwest area labelled Rough Warren. Well located on site's western boundary. Roadway present through eastern site area.	Delf Hills located directly north of the eastern site area. Sandstone quarry and ironstone pit located 100m south of the site. Sandstone quarry located 100m southwest and 300m west of the site. Ironstone pits located 200m southeast of the site. Thorncliffe Iron Works located 500m southwest of the site. Park Gate Colliery located 450m northwest of the site. Large number of ironstone pits located from 500m northwest of the site. Pond located 250m northeast of eastern site area.
1893-94	Northern site area located withing Rough Warren is covered with trees as part of the Hood Hill Plantation. Warren Fan occupies western corner of site, Smithy present along southern boundary of western site area.	Reservoir located 300m southwest of the site. Norfolk Colliery located 300m south of the site. Residential properties present 50m southwest of the site western site area. Thorncliffe Colliery with coke ovens and shafts and associated rail lines located 300m southwest of the western site area. A number of shafts located from 100m to 200m south of the eastern site area.
1903	Tankersley Tunnel extends northwest-southeast beneath the centre of the site. Air shaft located in central site area. Tank located in eastern site area. Air shaft located in northern site area.	No significant change.
1924	Additional tank located in eastern site area.	No significant change.
1931	Smithy no longer labelled although building remains.	No significant change.
1935	Large excavation located in southwest site area.	No significant change.
1951	Area of Rough Warren has been cleared and now labelled opencast workings.	Ironstone pits now labelled old ironstone pits to the northwest of the site.
1956	No significant change.	Thorncliffe Works (Iron foundry, engineering and chemical) located 500m southwest of the site. Shafts located from 100m to 200m south of the eastern site area now labelled old shafts. Warren Lane Factory (excavators) located 150m west of western site area.

1965	Area of excavation in southwest site area is no longer shown, small number of buildings located along the site boundary in the location of the former excavation. Opencast workings no longer labelled.	No significant change.
1972-73	Overhead cables extend through northern site area.	Railway associated with Thorncliffe Works now labelled dismantled.
1980	No significant change.	Chemical works located 400m southwest of the site. Major roadway extends along the southeast site boundary. Thorncliffe Colliery no longer labelled, replaced with works buildings.
1991	Tanks no longer labelled on site.	Electric substation located 250m west of the site.
2025	No significant change.	No significant change.

The site has been largely undeveloped with the exception of the western site areas where some sort of excavation occupied the site till the 1965-1973 maps. The northwest site area was occupied by opencast workings for a short period. A tunnel dissects the site in a north-south orientation through the central site area.

4.0 ENVIRONMENTAL SETTING

4.1 INFORMATION SOURCES

The environmental setting of the site was determined through reference to the following:

- British Geological Survey (BGS) 1: 50,000 scale sheet No 87 Barnsley.
- British Geological Survey (BGS) 1: 10,000 scale sheet No. SK39NE
- Coal Mining Report from David Bellis Associates (based on data obtained from the Coal Authority).
- Groundsure Report (including historical map extracts).
- BRE Publication BR211 *Radon: Guidance on Protective Measures for New Dwellings.*
- Zetica Risk Assessment Map.
- BGS borehole records SK39NE55, SK39NE56, SK39NE78.

4.2 GEOLOGY

Areas of infilled ground (restored opencast coal workings) are shown in the northern, western and far eastern site areas.

Drift deposits are not shown on the geological plan.

The solid geology underlying the site comprises Coal Measures strata. There are a number of coal seams present beneath the site. The Joan Coal extends northwest-southeast through the site, the Tankersley Ironstone and The Flockton seams extend in the same orientation and dip to the northeast beneath the site.

The Joan coal has a recorded thickness between 0.4m and 0.5m; the Flockton seam has a recorded thickness between 0.4m and 1.1m.

The Thorpe Hesley or Tankersley fault lies to the northeast of the site and dips to the northeast asway from the site.

There are a number of BGS borehole logs present on site. Borehole SK39NE56 recorded topsoil overlying completely weathered mudstone rock recovered as clay. The mudstone was recovered as moderately weathered from 1.8m bgl and extended to the base of the hole at 3.6m bgl.

Borehole SK39NE78 recorded topsoil overlying siltstone rock from 0.2m bg. The siltstone extended and was interbedded with sandstone and mudstone to the base of the hole at 8.5m bgl.

Borehole SK39NE55 recorded possible made ground to a depth of 4.75m bgl underlain by a thin layer of clay and siltstone rock recorded from 6.4m bgl.

There is a BritPit located on site listed as Cupola Pit where deep coal mineworkings are present beneath the site.

No significant ground hazards have been identified by the British Geological Survey as reported in the Groundsure Report with the exception of a moderate risk of compressible group in the areas of infilled ground.

4.3 MINING AND QUARRYING

The mining report indicates that the site may be underlain by workings in seven coal seams, the shallowest being the Black Mine Ironstone at a depth of approximately 30m below ground level with a recorded section thickness of 2m.

The mining report indicates that the site may be affected by unrecorded shallow workings in coal and ironstone. There is the possibility of shallow workings within the Joan Coal , the Tankersley Ironstone and The Flockton seams.

There are four mine entries located on site as shown in the mining report in the western site area. The entries are labelled A, B, C and D.

Shaft A was filled to within 7.5m of the surface in 1971 and is surrounded by brickwork. The Coal Authority currently monitors gas and water levels at this shaft on a 6 monthly basis. Shaft B was searched for 10/08/2023 but was not located. It is understood that the Mining Remediation Authority are seeking further information from the developer of the site at 135 Warren Lane regarding the location and treatment of this shaft. The recorded location of the shaft may change at some time in the future, if further information is provided to the Authority.

There are no recorded treatment details for mine entry C or mine entry D.

The Groundsure report indicates that opencast mining is present on site. Unspecified heaps, refuse heaps and an unspecified quarry are also located on site.

The Groundsure report indicates that there may be underground workings within iron ore and ironstone beneath the site. Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

4.4 HYDROLOGY

There is a small unnamed minor stream/ drain located on the northern site boundary.

The Groundsure Report indicates there are no licensed surface water abstractions within 700m of the site.

There is one recorded discharge consent 5m south of the site relating to stormwater overflow into a tributary of Blackburn Brook.

There are no recorded pollution incidents within 500m of the site.

The site is not recorded as being situated within a zone of flooding from rivers and sea.

The site is recorded as being situated within a zone of flooding from surface water with a 1 in 30-year risk between 0.3m and 1.0m.

4.5 HYDROGEOLOGY

Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary (A) Aquifer – with permeable layers. These formations, although

not producing large quantities of water for abstraction, are important for supplying base flows to rivers.

The site does not lie within a source protection zone.

There are no recorded groundwater abstractions within 500m of the site.

4.6 LANDFILLS & OTHER POTENTIAL GAS SOURCES

The Groundsure Report indicates there are two historical landfills located within 250m of the site. One landfill site is located 112m northwest of the site at Tankersley Park Golf Club with the license issued in 1986.

The second landfill is located 200m southwest of the site at Warren Lane and authorised wastes include inert and commercial wastes.

There are a number of opencast workings, shafts and areas of infilled ground on site and within close proximity which provide further potential sources of hazardous gas.

The site is potentially underlain by shallow mineworkings and four mine entries are present on site; these provide a further source of hazardous gas.

4.7 RADON GAS

In accordance with the procedure described in BRE Publication BR211 *Radon: Guidance on Protective Measures for New Dwellings*, no radon protection measures are required for new buildings on the site.

4.8 OTHER SOURCES

The site lies within an area of low risk from unexploded bombs as shown on the Zetica risk assessment map included in Appendix C.

5.0 CONCEPTUAL SITE MODEL

5.1 GENERAL

Based on the information presented in the preceding Sections, and in accordance with the Environment Agency guidance referenced in Section 1, a Preliminary Conceptual Site Model has been produced. A simplified diagrammatic form of the model showing the most significant features is presented as Drawing No. DUN_C30965_03_00 in Appendix A to this report.

Development proposals are not known at present however, it is assumed the end use will be commercial (employment land). The preliminary conclusions presented below should be revised once an intrusive ground investigation has been completed.

The main features of the model are discussed in the following sections together with preliminary recommendations where appropriate.

5.2 LIKELY GROUND CONDITIONS

Based on available information, ground conditions are likely to comprise rock at shallow depth.

Deep made ground deposits associated with the former opencast workings are anticipated.

5.3 MINING AND QUARRYING ASSESSMENT

The mining report indicates that the site may be affected by unrecorded shallow workings. Intrusive investigation is recommended in order to determine whether the workings could represent a hazard to surface stability.

There are four recorded mine entries on site. Intrusive investigation will be required in order to determine the precise location of the shaft and evaluate its condition. The shaft is likely to result in a ‘no build zone’.

Historical plans show the site to have been occupied by a former quarry and opencast areas. Intrusive investigation will be required in order to determine the extent of these features and evaluate the nature of infill materials.

5.4 GEOTECHNICAL ISSUES

The ground conditions noted above may allow the use of strip footings for lightly loaded structures. Where made ground is encountered, foundations will need to be taken through the made ground into underlying natural strata of adequate bearing capacity. Suspended floor slabs are required where made ground exceeds 0.6m in thickness.

The site is potentially affected by shallow mineworkings and foundation types will need to be reviewed once the mining situation has been established.

Where new foundations conflict with buried obstructions, considerable overdeepening may be required to reach natural ground of adequate bearing capacity. The presence of trees will also necessitate overdeepening of foundations. Consequently the use of strip or trench fill foundations may become impractical and piles may be required.

The above suggestions should be regarded as tentative until intrusive investigations are undertaken and information is available regarding design loads and development layout.

There is likely to be a 'no build zone' in view of the four mine entries located in the western site area.

5.5 HAZARD IDENTIFICATION – CONTAMINATION SOURCES

The desk study has shown that the site has been occupied previously and it is possible that contamination is present associated with the site's previous use as a former quarry and opencast mine. The nature of the infilled material recorded on site is not known and it is therefore recommended that a suite of chemical testing for the site should include:

- Heavy metals.
- Cyanide and phenol.
- pH and sulphate.
- Asbestos.
- Polycyclic aromatic hydrocarbons (PAHs).
- Total petroleum hydrocarbons (TPHs).

An intrusive investigation should take into account the possibility that the above potential contaminants may be encountered. Risk assessment should be undertaken for contamination identified during intrusive investigation.

5.6 HAZARD IDENTIFICATION – GAS SOURCES

Potential sources of hazardous gas that could affect the site have been identified as follows:

- Landfill site within 250m.
- Infilled quarry within 250m.
- Possible deep made ground on site.
- Possible shallow mineworkings beneath site.
- Mine shafts on site or within 250m.

A hazardous gas risk assessment is therefore recommended as part of an intrusive investigation at the site. The scope of a gas investigation (including the number of monitoring points and quantity of data required) should be related to the gas generation potential of the source and the sensitivity of the proposed end use.

5.7 RISK ASSESSMENT FOR CONTAMINATED LAND

In the Environment Agency guidance "Land Contamination: Risk Assessment" noted above, risk assessment for contaminated land should be conducted using the following four steps:

i. Hazard Identification.
ii. Hazard Assessment.
iii. Risk Estimation.
iv. Risk Evaluation.

The results of the Hazard Identification process (identifying potential contamination and gas sources) are shown in the preceding sections.

'Hazard Assessment' involves analysing the potential for unacceptable risks, i.e. identifying what receptors and pathways could be present, what pollutant linkages could result, and what the effects might be. 'Pollution linkages' is a term used to describe a particular combination of contaminant pathway and receptor.

Following the site's redevelopment, significant receptors in terms of human health that could be affected by contamination will include future site users. Ecosystem receptors include the onsite minor streams and drains.

Potential pollution linkages considered to be significant at this stage are shown on the Preliminary Conceptual Site Model presented as Drawing No. C30965_03 in Appendix A to this report.

Based on the model, potentially unacceptable risks have been identified and further action is therefore recommended.

This further action should comprise an intrusive ground investigation that would enable additional Hazard Assessment to be carried out, followed by Risk Estimation and Risk Evaluation. The Preliminary Conceptual Site Model should be revised on completion of the ground investigation. An outline of a suitable intrusive ground investigation is included in the following Section of this report.

6.0 GROUND INVESTIGATION STRATEGY

An intrusive ground investigation should be undertaken to verify the assumptions made in the Preliminary Conceptual Site Model and to provide data for foundation design.

An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

- Further detailed enquiries to Coal Authority.
- Trial pits to enable the made ground and natural soils to be examined and buried obstructions to be identified.
- Trial trenches to identify the opencast high wall.
- Mini rig boreholes.
- Rotary probeholes to investigate the nature of the rock beneath the site and the potential for mine workings.
- Rotary core holes to determine rock strength beneath the opencast and confirm opencast depth.
- Appropriate sampling to enable chemical and geotechnical testing to be carried out.
- Installation of monitoring wells to enable subsequent groundwater and gas measurements.

APPENDIX A

DRAWINGS

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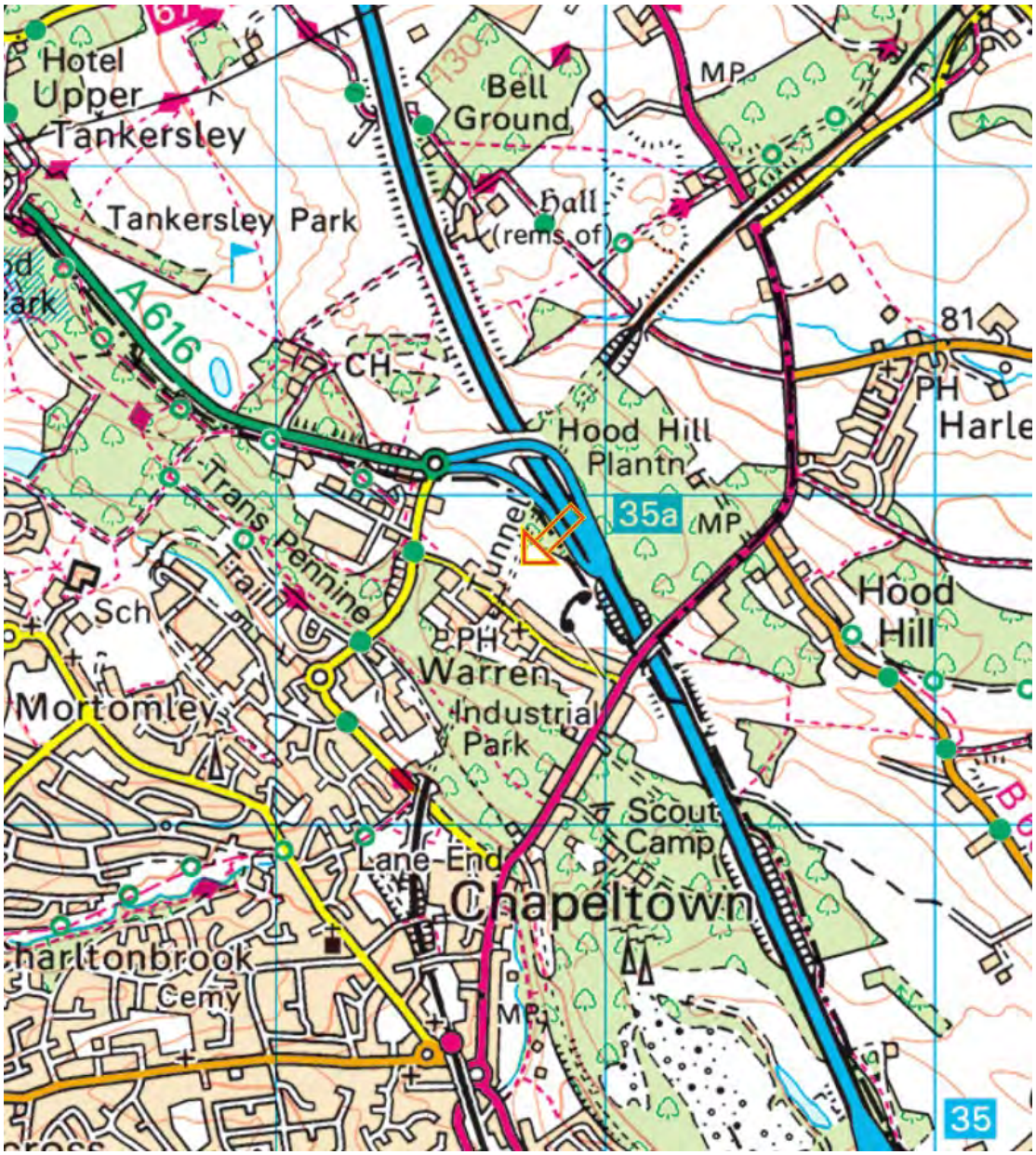

DUNELM GEOTECHNICAL & ENVIRONMENTAL	**Contract:** Warren Lane, Tankersley			**Contract No:** C30965
	Client: Milton Peterborough Estate			
TEL: 0191 378 3151	**Drawing Title:** Site Location Plan			
Drawing & Revision No: C30965_01_00	**Date:** June 2025	**Scale:** NTS	**Status:** Final	**Drawn by:** KD

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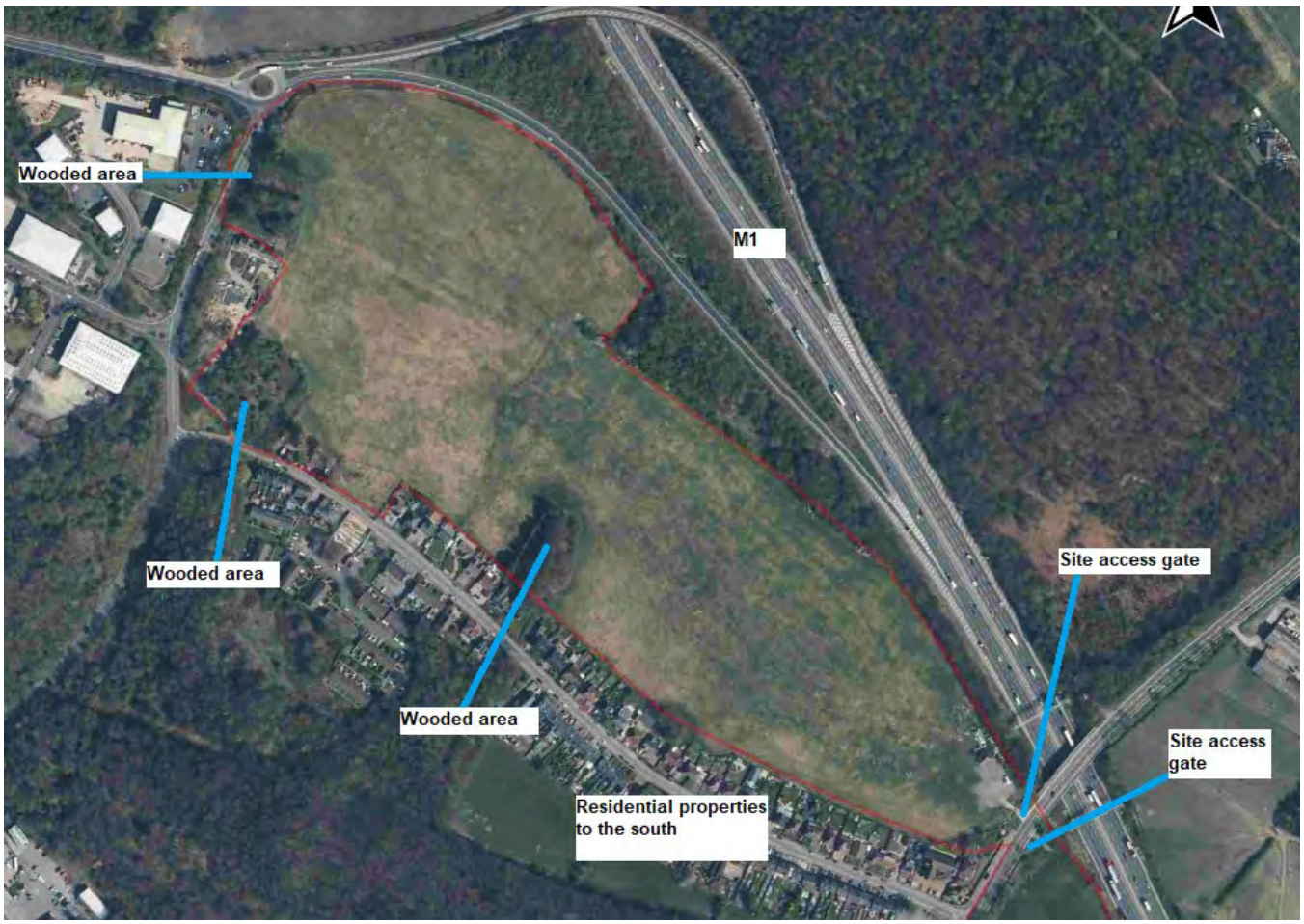
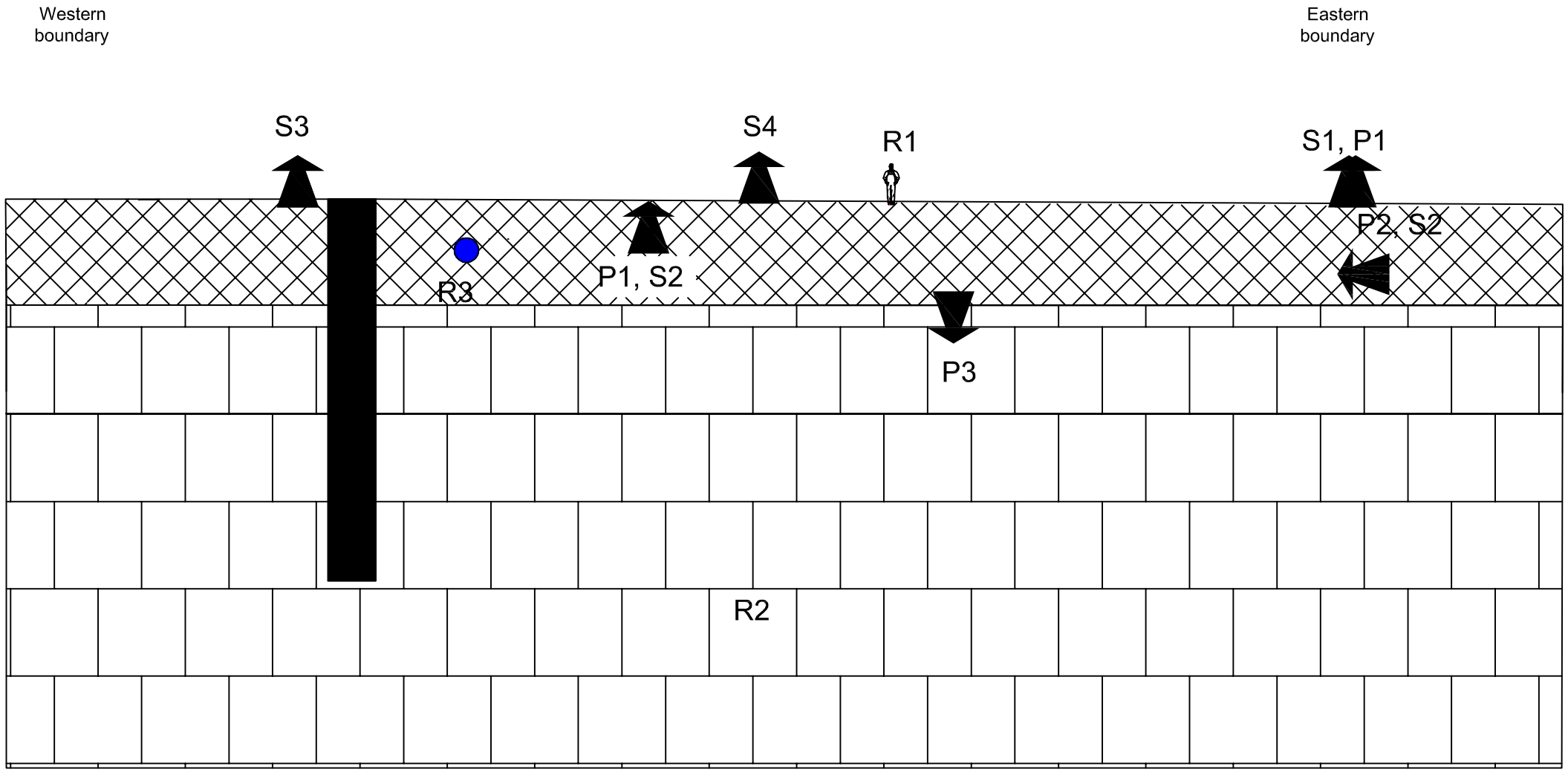


DUNELM GEOTECHNICAL & ENVIRONMENTAL	**Contract:** Warren Lane, Tankersley			**Contract No:** C30965
	Client: Milton Peterborough Estate			
TEL: 0191 378 3151	**Drawing Title:** Site Features Plan			
Drawing & Revision No: C30965_02_00	**Date:** June 2025	**Scale:** NTS	**Status:** Final	**Drawn by:** KD

Cross Section Through the Site (Approximately West to East)



Ground Conditions Summary

TOPSOIL / MADE GROUND (DEEP IN AREAS OF OPENCAST)

COAL MEASURES STRATA

Pollutant Linkages

SOURCE	1. Potential hazardous ground gas generation from infilled land on site associated with opencast works. 2. Potential hazardous ground gas generation from landfills within 250m of the site. 3. Potential hazardous ground gas generation from mine entires located in western site area. 4. Potential contamination within shallow soils.
PATHWAY	1. Ingestion, inhalation and dermal contact of potential contamination within made ground. 2. Migration of hazardous gas. 3. Surface run off and infiltration of leachable contaminants.
RECEPTOR	1. Human Health (Future site occupiers). 2. Secondary Aquifer. 3. Small unnmaned minor streams and drains.

DUNELM GEOTECHNICAL & ENVIRONMENTAL

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NOT TO SCALE: Contractor to check all dimensions on site before commencement of any works. No dimensions to be scaled from this drawing.

CLIENT:

Milton Peterborough Estate

PROJECT TITLE:

Warren Lane, Tankersley

DRAWING TITLE:

Preliminary Conceptual Site Model

DATE:

June 2025

DRAWING NUMBER:

DUN_C30965_03_00

REVISION NUMBER:

V1

APPENDIX B

PHOTOGRAPHIC SURVEY

Photographs

Photograph 1 – Rear of existing coastguard station.

Photograph 2 – Site is predominantly flat and grass covered.

DUNELM GEOTECHNICAL & ENVIRONMENTAL	**Project: Warren Lane, Tankersley** **Project No. C30965** **Carried out for: Milton Peterborough Estate**	**Plate** **1**

Photographs

Photograph 3 – Site is predominantly flat and grass covered.

Photograph 4 – Access gate to central site area from the west

Photographs

Photograph 5 – Overhead cables extend east-west across the site.

Photograph 6 – Site access to far eastern site area.

Photographs

Photograph 7 – Rear of existing coastguard station.

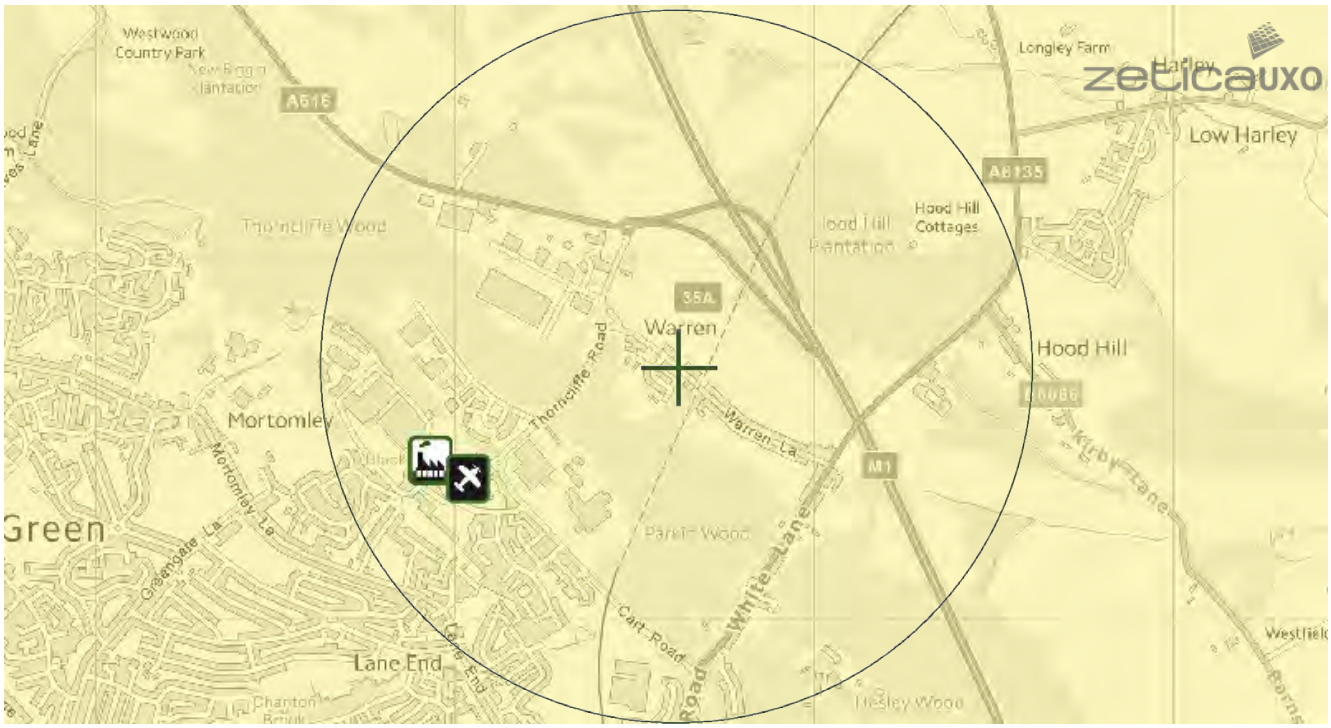
APPENDIX C

DESK STUDY INFORMATION

UNEXPLODED BOMB RISK MAP

SITE LOCATION

Location: S35 2YD,
Map Centre: 435586,397706



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- **High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- **Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- **Low:** Areas indicated as having 15 bombs per 1000acre or less.

Miltary | **Industry** | **UXO find** | **Other**
Transport | **Docks** | **Luftwaffe targets**
Utilities | **Bombing decoy** | **Airfields**

How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density.
Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then additional detailed research is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our pre-desk study assessments (PDSA) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682 **email:** uxo@zetica.com **web:** www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the accompanying notes on our website.

David Bellis Consulting Surveyors Ltd
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T: 01423 529911 F: 01423 529922
E: contact@coalsearchplus.com
W: www.coalsearchplus.com

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Protecting your investment

By

David Bellis
CONSULTING SURVEYORS

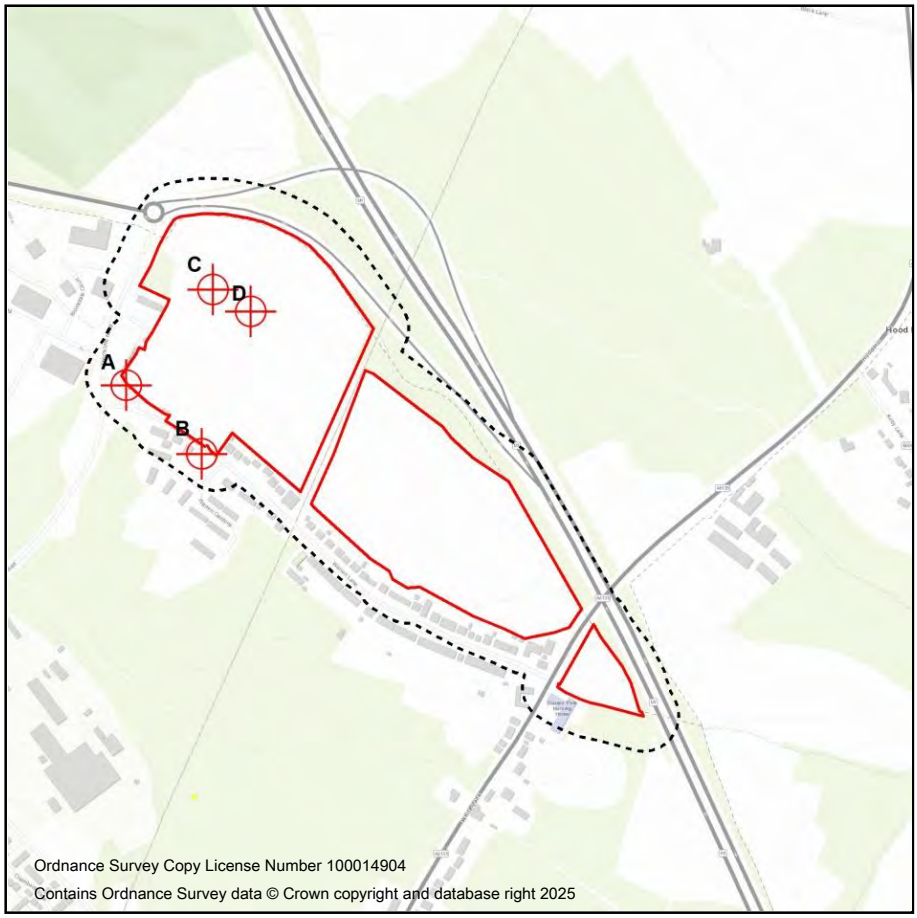
Regulated Coal Mining Search Report

Incorporating Cheshire Brine Screening

SITE LOCATION AND COAL MINING FEATURE PLAN

ADDRESS: Warren Lane, Tankersley, Sheffield, S35 2YD

SEARCH NUMBER: 473232



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KEY

Property Boundary

50m property boundary buffer

Coal mining subsidence claims within 50m (section 7)

Mine entries within 20m (section 5)

Adits

Shafts

Symbols are indicative only and are not drawn to scale.

World Topographic Map - Sources: Esri, HERE, Garmin, Intermap, Increment P Corp, GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

This plan shows the location of the subject property and where relevant the location of mine entries and subsidence claims referred to in the attached CoalSearchPlus+ regulated coal mining search report. The plan must be viewed in conjunction with the detailed findings in the attached report. A coal mining risk rating, including recommended further action where appropriate, is given at the conclusion of the report. (section 8)

This plan shows reportable features relevant to the property only. Additional relevant coal mining aspects are reported upon within the report. The report and content of this plan are specific to the property under consideration. The report contents should not be used in relation to other property in the area.

Mine entries are reported if they are located within the property boundary or within 20m of it. (see report section 5 for detail)

Coal mining subsidence claims, made since 31 st October 1994 and recorded by The Coal Authority, are reported for the subject property or property located within 50m of its boundary. Records of claims prior to this date are not normally retained by The Coal Authority and will not be reported. (see report section 7 for details)

Property owners have the benefit of the protection of the Coal Mining Subsidence Act 1991* in the event of the occurrence of damage from disused coal mine workings including from disused coal mine entries.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused shafts and adits). The emergency telephone number at all times is (01623) 646333. If you have any questions or queries regarding the content of this coal mining report please contact David Bellis Consulting Surveyors Ltd.

* Note The Coal Mining Subsidence Act 1991 does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester

Coal Mining Search Report

Incorporating Cheshire Brine Screening

Serial Number 473232

Client detail :

Dunelm Geotechnical &
Enviromental Ltd
Foundation House
St John's Road
Meadowfield
Co Durham, DH7 8TZ

CoalSearchPlus+ by David Bellis Consulting
Surveyors Ltd
8 Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH

Tel 01423 529911
Fax 01423 529922

Search produced by M J Peace

Property details:

Warren Lane
Tankersley
Sheffield
S35 2YD

Your ref : PO11500 C30965 SH
Purchaser :
Vendor :

In accordance with your instructions received 29 May 2025 we have inspected plans and records of coal mine workings and have made enquiries with respect to Cheshire brine extraction in relation to the above property and can report as follows :

1. **SEAM DETAILS FOR PAST UNDERGROUND COAL MINING :** In relation to the property the undermentioned seam(s) have been worked within the likely zone of physical influence on the surface.

Seam	Depth (m)	Sect (cm)	Date	Remarks
Black Mine Ironstone	30	200	Pre 1874	Subjacent
Parkgate	77	228	Pre 1900	Subjacent
Top Fenton	77	110	Pre 1961	Subjacent
Low Fenton	86	135	Pre 1967	Subjacent
Middleton Main	119	58	Pre 1962	Subjacent
Silkstone	170	70	Pre 1891	Subjacent
Whinmoor	241	112	Pre 1957	Subjacent

2. **SEAM DETAILS FOR CURRENT AND FUTURE UNDERGROUND COAL MINING :** The undermentioned seam(s) are currently being worked, or licenses to work are being determined, or have been granted to work, within the likely zone of physical influence on the surface in relation to the property.

Seam	Depth (m)	Sect (cm)	Date	Remarks
				Coal in reserve - no workings currently planned.

3. **UNDERLYING GEOLOGY :**

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The property is situated in an area of Sandstone and Lower Coal Measures, shales and mudstones.

There are no faults or abnormal features relevant to the property.

The Joan seam is recorded to crop in the northern area of the site, the Tankersley seam in the middle area and the Flockton Thick seam in the southern area of the site, all trending north west to south east.

4. OPENCAST COAL MINING :

Past Opencast Workings : The property is situated on an area of former opencast coal mining.

Present Opencast Workings : The property is not situated within 200m of the boundary of a currently operating opencast coal mining site.

Future Opencast Workings : The property is not situated within 800m of the boundary of an opencast site for which a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

5. MINE ENTRIES, MINE GAS, SURFACE HAZARDS AND ADDITIONAL INFORMATION :

The Mining Remediation Authority licensed Mine Entry dataset shows that 4 mine entries are located within 20 metres of the property or the boundary of the property. A plan is attached indicating the approximate position of the mine entries discovered.

Shaft A was filled to within 7.5m of the surface in 1971 and is surrounded by brickwork. The Coal Authority currently monitors gas and water levels at this shaft on a 6 monthly basis.

Shaft B was searched for 10/08/2023 but was not located. Coalsearch Plus+ are aware that the Mining Remediation Authority are seeking further information from the developer of the site at 135 Warren Lane regarding the location and treatment of this shaft. The recorded location of the shaft may change at some time in the future, if futher information is provided to the Authority.

There are no recorded treatment details for mine entry C or mine entry D.

There are no tips or lagoons in the vicinity of the property.

There are possible ancient shallow mining workings in coal and ironstone, that may include former mine entries within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist.

The Mining Remediation Authority licensed Mine Gas data shows no record of mine gas emissions within the property or the property boundary requiring action.

The Mining Remediation Authority licensed Coal Mining Related Hazards data shows that the property has not been subject to remedial works by the Mining Remediation Authority, or its representatives, under the Coal Authority Emergency Surface Hazard Call Out Procedures

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If additional information is required regarding a mine entry disclosed in a residential coal mining report, a CoalSearchPlus+ Mine Entry Assessment Report can be provided for an additional fee of £75 plus vat. This will include an assessment of the risk of subsidence damage occurring due to the presence of the mine entry/entries.

Please contact David Bellis Consulting Surveyors on 01423 529911 to order a Mine Entry Assessment Report and arrange payment.

Further information regarding mine entries revealed in commercial/development coal mining reports can also be provided and reports will be tailored to client requirements. Please contact David Bellis Consulting Surveyors, on 01423 529911, to discuss the data that can be provided and agree the fee.

6. NOTICES IN RELATION TO FUTURE COAL MINING ACTIVITY :

Mining Remediation Authority data shows no intention to work coal by underground methods within influencing distance on the surface in the vicinity of the property for which section 46 notices have been issued under the Coal Mining Subsidence Act 1991.

7. PAST COAL MINING RELATED SUBSIDENCE :

A review of the records held by the Mining Remediation Authority has shown no evidence of coal mining related subsidence claims in relation to the subject property since 31st October 1994. This is the period for which subsidence claims are reported within coal mining reports for conveyancing purposes.

8. CONCLUSION (COAL MINING) : In the light of the above facts we conclude that in relation to coal mining :

Old workings are present but all settlement is likely to have completed long ago.
Very old shallow workings are present and further settlement is possible however the possibility is remote.
In our opinion it is unlikely that coal will be worked in the forseeable future.

COAL MINING RISK LEVEL : We recommend that the transaction is treated as :

Where this report is to be used for development purposes particular attention is drawn to the paragraphs below concerning the ownership of in situ coal, coal workings and the risks from mine gases.

Please note that the overall coal mining risk level above is based upon an assessment of the detailed information contained in the body of the report. The risk assessment must be used in conjunction with the detailed report.

If development of the property is being considered then all necessary enquiries and investigations should be completed prior to the commencement of works to ensure that proposals follow good engineering practice for development in mining areas. The Coal Authority has ownership of in situ coal, coal mines (both current and disused) and coal mine shafts and

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adits. Activities that intersect, enter or disturb any of the Coal Authority's interests require the written permission of the Authority.

Any development proposals should consider risks to the development, or adjacent property, of generating or displacing underground gases where coal seams or former mining works are disturbed. The need for effective measures to prevent gasses entering public properties should be assessed and properly addressed. These actions are necessary due to the public safety implications of development in these circumstances.

CHESHIRE BRINE EXTRACTION INFORMATION :

The property lies outside the Cheshire Brine Compensation District as prescribed by the Cheshire Brine Pumping (Compensation for Subsidence) Act 1952.

With respect to coal mining there is nothing to prevent a claim being made under the provisions of the Coal Mining Subsidence Act 1991 and subsequent legislation, but it must not be inferred that the Coal Authority or their licensees will necessarily accept that any damage has been caused as a result of mining subsidence.

If you require any further information please contact CoalSearchPlus+ on 01423 529911 or via our website www.coalsearchplus.com.

This report is prepared in accordance with the CoalSearchPlus+ terms and conditions as published on the CoalSearchPlus+ website (www.coalsearchplus.com) on the date of issue of this report.

This is a Coal Mining Search Report and is not to be interpreted as being part of an Environmental Assessment of the property.

We cannot be held responsible for the accuracy of the information provided to us by third party organisations.

The information and/or material supplied is composed from data based in many cases on measurements and records of various standards of reliability and age. We cannot be held responsible for the accuracy of such information.

This search report is based upon the privately owned CoalSearchPlus+ mining record database, data supplied to CoalSearchPlus+ under license from the Coal Authority, and plans and records held by the Coal Authority and made publicly available at the time of inspection which may include British Geological Survey and Ordnance Survey data. Organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining (Subsidence) Act 1991 and the Coal Industry Act 1994.

This report contains Data provided by the Coal Authority. Any and all analysis and interpretation of the Coal Authority Data in this report is made by David Bellis Consulting Surveyors Ltd trading as CoalSearchPlus+, 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 copyright of the Coal Authority and permission should be sought from David Bellis Consulting Surveyors Ltd prior to any re-use.

Coal Authority Address : The Coal Authority, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, HG18 4RG
British Geological Survey Address : British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG

The information contained in this report relates to the property address given by the individual or organisation ordering the report. Where a plan indicating the property location and boundary is supplied with the instruction the report is based on that information. Where no plan is supplied the report is based on the property location as defined in publicly available mapping data. At all times it remains the responsibility of the instructing organisation or individual to define the boundary of the property.

Additional notes applicable to Residential Coal Mining Reports only:

David Bellis Consulting Surveyors Ltd is not aware of any personal or business relationship between the person conducting or preparing the search and any person involved in the sale of the property.

This report is a desk study of existing published geological and coal mining records, the CoalSearchPlus+ coal mining data base and data supplied under license by the Coal Authority. In order to compile this report enquiries have been made in relation to the following:

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Past Coal Mining – the existence of any previously worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings,
A statement of shallow depth generally indicates records show that coal has been mined within 30m of the surface. In some circumstances coal classified as shallow may extend up to a depth of 50m.
A statement of moderate depth indicates records show that coal has been mined at between 30m and 500m depth.
A statement of 'at depth' indicates records show that coal has been mined at depths of over 500m.

Present Coal Mining - the existence of any currently worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings. The existence of coal that could be worked at some time in the future will be enquired into and detail of any relevant licenses disclosed where available.

Underlying Geology - the underlying geology of the property will be reviewed and briefly described in relation to coal mining.

Opencast Coal Mining - the existence of past present and future opencast coal mining, specifically :

- if the property is situated within the boundary of a former opencast site. In the case of old opencast workings it must be understood that the records are often unclear regarding the site boundary and or worked areas. Published records and data supplied under license by the Coal Authority will be reviewed to give our opinion of the existence of relevant former opencast coal workings.
- if the property is situated within 200m of the boundary of a currently operating opencast site.
- if the property is situated within 800m of the boundary of an opencast for which either a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

Mine Entries, Mine Gas, Surface Hazards and Additional Information – the existence of any mine entries within 20m of the property or the boundary of the property and its associated land and buildings (the definition of the boundary of the property is the responsibility of the individual or organisation ordering this report). Where a mine entry is found to exist the approximate location of the mine entry will be indicated on a plan. The existence of unworked coal will be enquired into and our opinion regarding the likelihood of it being worked at some time in the past will be given where relevant.
It will be reported if mine gas emissions relating to the property are recorded by The Coal Authority.
It will be reported if The Coal Authority has carried out work in relation to the property after a report of an alleged coal mining related hazard under the Coal Authority's Emergency Hazard Call Out procedures.
Any other relevant coal mining related features discovered will be noted.

Notices in relation to future coal mining activity – the existence of notices indicating an intention to work coal by underground methods in the future.

Past coal mining related subsidence – report if The Coal Authority licensed Claim Dataset shows record of a coal mining subsidence claim having been reported on the subject property or any other property within 50m of the boundary of the subject property since 31st October 1994. Where available claim detail information will be given for claims on the subject property only.

Coal Mining Risk Level – the opinion of David Bellis Consulting Surveyors Ltd of the risk posed to the property from coal mining given all the information contained in the report. The risk to the property is given in relation to the majority of the housing stock in the immediate area.

Cheshire Brine – the location of the property in relation to the Cheshire Brine Compensation District.

Additional information, including answers to many frequently asked questions, can be found on the CoalSearchPlus+ website, www.coalsearchplus.com

Complaints Procedure

David Bellis Consulting Surveyors Ltd is registered with the Property Codes Compliance Board as a subscriber to the Search Code. A key commitment under the Code is that firms will handle any complaints both speedily and fairly.

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to:

Mr M. Peace, Director, David Bellis Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, North Yorkshire, HG1 5DH
Tel : 01423 529911 Fax : 01423 529922 Email : contact@coalsearchplus.com

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs):
Tel: 01722 333306, Website: www.tpos.co.uk, E-mail: admin@tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

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Date : 06 Jun 2025 Signed : 

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Important Consumer Protection Information

This search has been produced by David Beliis Consutling Surveyors Ltd, 8 Mornington Terrace, Harrogate, HG1 5DH (T: 01423 529911, F: 01423 529922, E: contact@coalsearchplus.com) which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- Display the Code logo prominently on their search reports.
- Act with integrity and carry out work with due skill, care and diligence.
- At all times maintain adequate and appropriate insurance to protect consumers.
- Conduct business in an honest, fair and professional manner.
- Handle complaints speedily and fairly.
- Ensure that all products and services comply with industry registration rules and standards and relevant laws.
- Monitor their compliance with the Code.

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

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

TPOs Contact Details:

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

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

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   a) The Service Provider is David Bellis Consulting Surveyors Ltd, trading as CoalSearchPlus+.
   b) The Applicant is the Individual, Organisation, or appointed officer of said Organisation placing a Request with the Service Provider.
   c) The Third Party Provider is any Organisation from which the Service Provider obtains data and/or information on behalf of the Applicant in the normal course of fulfilling the Applicants Request.
   d) The request is a formal Request by the Applicant with CoalSearchPlus+ to retrieve specific data and/or information.
2. CoalSearchPlus+ accept Requests only on the basis that the Applicant is acting as a principal and is directly liable for payment of our invoice or account.
3. It is the policy of CoalSearchPlus+ to observe confidentiality with regard to the identity and affairs of our customers to the extent permitted by law, but, in common with other service providers, we may be required exceptionally to disclose information to governmental and other public authorities.
4. The placing of a Request by the Applicant with CoalSearchPlus+ confirms acceptance of these terms and conditions.
5. Any Order Form produced by CoalSearchPlus+, either printed or published on the CoalSearchPlus+ website, is an invitation to treat. The Applicant makes an offer to buy from CoalSearchPlus+ by the submission of a Request, subject to clause 10. Acceptable modes of transmission for a Request are facsimilie (fax), telephone, electronic mail(e-mail), online transmission via the CoalSearchPlus+ website only, Royal Mail or courier appointed by the Applicant.
6. Orders will be accepted on order forms other than CoalSearchPlus+ forms however these will be accepted under the standard CoalSearchPlus+ terms and conditions only, subject to Clause 10.
7. CoalSearchPlus+ reserves the right to refuse any Request.
8. CoalSearchPlus+ reserves the right to cancel any Request at any time.
9. Proof of transmission of a Request by the Applicant does not constitute proof of receipt by CoalSearchPlus+.
10. It is the responsibility of the Applicant to ensure the accuracy, legibility, clarity and completeness of all data and/or information provided to CoalSearchPlus+ as part of the Request, including but not limited to, names, numbers, addresses, location plans, and boundary plans. This applies whether the Request is submitted on CoalSearchPlus+ order forms either printed or published on the CoalSearchPlus+ website or on the Applicants own order form.
11. CoalSearchPlus+ may request additional relevant data and/or information from the Applicant in the course of fulfilling a Request, including, but not limited to, names, numbers, addresses, location plans, and boundary plans.
12. CoalSearchPlus+ may request clarification of data and/or information supplied by the Applicant.
13. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified, CoalSearchPlus+ cannot be held responsible for any resultant loss or delay.
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17. A CoalSearchPlus+ mining report is a report of the interpretation of the data sources in 16. made by CoalSearchPlus+ staff.
18. CoalSearchPlus+ coal mining search reports are based upon the plans and records available from data sources detailed in 16. at the time the report was produced. It should be understood that third party organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining Subsidence Act 1994. CoalSearchPlus+ cannot be held responsible for changes to the future proposals and intentions of Third Parties.
19. The information and/or material supplied in a CoalSearchPlus+ coal mining report is composed from data based, in many cases, on measurements and records of various standards of reliability and age. In some instances (usually relating to older records) it is necessary for CoalSearchPlus+ to make assumptions regarding the ‘best plot’ position of mining features. For these reasons users of CoalSearchPlus+ reports should take the position of mining features detailed in reports to be indicative only.
20. The data and/or information that a coal mining search report is based on is constantly being updated. A CoalSearchPlus+ coal mining search report is based on the most up to date information available at the time that the report is produced however it cannot be guaranteed that the information and/or data will not become obsolete at some time in the future. Responsibility for the supply of accurate and up to date information to CoalSearchPlus+ lies with the data supplying organisations listed in 16.
21. A CoalSearchPlus+ coal mining search report relates only to coal mining and minerals worked in relation to coal mining. Other reports may be required in relation to other minerals.
22. A CoalSearchPlus+ coal mining search report is not a substitute for site investigation or a mining survey. Depending on the content of a coal mining search report, or whether development is intended, the Applicant must decide whether a site investigation or mining survey is required.
23. CoalSearchPlus+ coal mining reports comply with the Search Code.
24. All CoalSearchPlus+ reports are covered by professional indemnity insurance. The content of CoalSearchPlus+ coal mining search reports does not prevent any future claim being made by the Applicant against the Coal Authority in respect of coal mining related subsidence.

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25. Any liability in the instance of negligence by CoalSearchPlus+ or its employees in the interpretation of coal mining data and/or the production and provision of coal mining reports will be limited to the extent of the David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ Professional Indemnity Insurance or the value of the loss caused by the negligence, whichever is the lower. The full extent of the CoalSearchPlus+ Professional Indemnity Insurance is £2 million. David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ will assume that the value of the property being reported upon does not exceed £2 million at the time the order is placed. It is the responsibility of The Applicant to inform David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ if the value of the property being reported upon is greater than £2 million. Professional Indemnity Insurance is provided to David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ by QBE UK Ltd.
26. All CoalSearchPlus+ coal mining search reports give the information detailed in the services section of the CoalSearchPlus+ website and summarised in the report. Further explanation of this information is available in the Glossary and/or the Frequently Asked Questions areas of the CoalSearchPlus+ website. Alternatively contact CoalSearchPlus+ who will be happy to explain the content of a report.
27. The Request is fulfilled when all reports, data and/or information requested by the Applicant have been retrieved and/or compiled by CoalSearchPlus+ and delivered by electronic mail (e-mail) or fax or post or a combination of these methods as required by the Applicant. Alternative delivery arrangements are at the discretion of CoalSearchPlus+.
28. If Requests for multiple reports, data and/or information relating to multiple addresses were made on a single order form these will be fulfilled individually by the delivery of the reports, data and/or information relating to each individual address being treated as an individual Request.
29. CoalSearchPlus+ is not responsible for any loss or misdelivery of retrieved data and/or information caused by failure of Royal Mail or internet service provider. Most retrieved data and/or information is archived by CoalSearchPlus+ and a copy may be requested by the Applicant. If the data and/or information could not be archived CoalSearchPlus+ reserves the right to treat the request as a new Request.
30. Delivery, by whatever agreed means, will be accompanied by an invoice. Delivery by electronic mail may be followed up with a paper invoice by post. Where Applicants have agreed account facilities with CoalSearchPlus+ invoicing may be on a monthly basis. In all cases the Applicant agrees to provide CoalSearchPlus+ with remuneration for the full amount shown on the invoice, including all Fees, Taxes and Disbursements.
31. The Applicant will be liable for payment of the full invoice amount within 14 days from the date of receipt of the invoice. CoalSearchPlus+ reserve the right to charge for costs and expenses incurred in recovering late payments and to charge interest at the rate of 8% above the Bank of England base rate per annum for the full period that the payments are overdue.
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33. Where possible the Applicant will receive Advance Notice of the cost of the Request, including all Fees, Taxes and Disbursements, prior to receipt of the invoice. This advance notice will take the form of the price for the service requested as published on the CoalSearchPlus+ website, or the price as individually agreed between CoalSearchPlus+ and the Applicant.
34. Additional Fees, Taxes and Disbursements may arise during the course of data and/or information retrieval, over and above Advance Notice costs as in clause 33. The Applicant is liable for any such additional costs. Where possible, the Applicant is notified of additional costs prior to fulfilment of the Request.
35. If the Applicant shall pay in advance of receipt of the invoice, then the Applicant remains liable for any underpayment.
36. Any overpayment on the part of the Applicant will be refunded. Arrangements for refunds are agreed on a case-by-case basis, through discussion between CoalSearchPlus+ and the Applicant.
37. The Applicant may cancel the Request in whole or in part at any time prior to Clause 27.
38. If the Applicant cancels the Request in whole or in part prior to Clause 27, the Applicant remains liable for all Fees, Taxes and Disbursements already accrued prior to the Cancellation.
39. CoalSearchPlus+ accept no liability for any loss incurred by the Applicant or the Applicants client where the Applicant is acting as an agent for a client, due to late fulfilment and delivery of the Request.
40. CoalSearchPlus+ accept no liability for any loss to the Applicant, or the Applicant's client where the Applicant is acting as an agent for a client, due to any negative outcome of a report provided in the process of the correct and accurate fulfilment of the Request.
41. Any disputes relating to the provision of coal mining search reports should be addressed to the Practice Principal, CoalSearchPlus+ in the first instance. Disputes will be settled according to the CoalSearchPlus+ complaints procedure detailed in each report.
42. Independent Dispute Resolution - If you make a complaint and we are unable to resolve it to your satisfaction you may refer the complaint to The Property Ombudsman scheme (website: www.tpos.co.uk email:admin@tpos.co.uk Tel: 01722 333306). We will cooperate fully with the Ombudsman during an investigation and comply with his final decision.
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44. No variation to these Terms and Conditions is effective unless and until CoalSearchPlus+ expressly agrees in writing.
45. CoalsearchPlus+ reserves the right to alter these terms and conditions as appropriate, without notice, at any time. Such amended Terms and Conditions will become effective upon publication on the CoalSearchPlus+ website.
46. These Terms and conditions are subject to English Law and the exclusive jurisdiction of the courts of England and Wales.

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

Warren Lane, Tankersley, Sheffield S35 2YD

Order Details

Date: 29/05/2025

Your ref: PO11499/C30965/SH

Our Ref: GS-6I1-QAI-XLV-2K8

Site Details

Location: 435747 397783

Area: 17.51 ha

Authority: Barnsley Metropolitan Borough Council ↗, Sheffield City Council ↗

Contact us with any questions at:
info@groundsure.com ↗
01273 257 755

Certified B Corporation

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	23	11	53	151	-
23 >	1.2 >	Historical tanks >	3	0	5	64	-
26 >	1.3 >	Historical energy features >	1	1	8	4	-
27	1.4	Historical petrol stations	0	0	0	0	-
27	1.5	Historical garages	0	0	0	0	-
27	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
28 >	2.1 >	Historical industrial land uses >	29	14	66	193	-
39 >	2.2 >	Historical tanks >	7	0	8	75	-
43 >	2.3 >	Historical energy features >	2	1	10	7	-
44	2.4	Historical petrol stations	0	0	0	0	-
44	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
45	3.1	Active or recent landfill	0	0	0	0	-
45	3.2	Historical landfill (BGS records)	0	0	0	0	-
46 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	0	1	-
46 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	2	0	-
47	3.5	Historical waste sites	0	0	0	0	-
47	3.6	Licensed waste sites	0	0	0	0	-
47 >	3.7 >	Waste exemptions >	0	0	3	2	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
48 >	4.1 >	Recent industrial land uses >	2	2	14	-	-
50	4.2	Current or recent petrol stations	0	0	0	0	-
50	4.3	Electricity cables	0	0	0	0	-
50	4.4	Gas pipelines	0	0	0	0	-
50	4.5	Sites determined as Contaminated Land	0	0	0	0	-

50 >	4.6 >	Control of Major Accident Hazards (COMAH) >	0	0	0	1	-
51	4.7	Regulated explosive sites	0	0	0	0	-
51 >	4.8 >	Hazardous substance storage/usage >	0	0	0	1	-
51	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
52	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
52 >	4.11 >	Licensed pollutant release (Part A(2)/B) >	0	0	0	2	-
52	4.12	Radioactive Substance Authorisations	0	0	0	0	-
52 >	4.13 >	Licensed Discharges to controlled waters >	0	1	2	0	-
53	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
53	4.15	Pollutant release to public sewer	0	0	0	0	-
54	4.16	List 1 Dangerous Substances	0	0	0	0	-
54	4.17	List 2 Dangerous Substances	0	0	0	0	-
54	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
54	4.19	Pollution inventory substances	0	0	0	0	-
54	4.20	Pollution inventory waste transfers	0	0	0	0	-
55	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
56	5.1	Superficial aquifer	None (within 500m)				
57 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
59 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
60	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
60	5.5	Groundwater vulnerability- local information	None (within 0m)				
61 >	5.6 >	Groundwater abstractions >	0	0	0	0	10
64 >	5.7 >	Surface water abstractions >	0	0	0	0	3
65	5.8	Potable abstractions	0	0	0	0	0
65	5.9	Source Protection Zones	0	0	0	0	-
66	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
67 >	6.1 >	Water Network (OS MasterMap) >	1	1	7	-	-

68 >	6.2 >	Surface water features >	1	1	5	-	-
69 >	6.3 >	WFD Surface water body catchments >	3	-	-	-	-
69 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
70 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
71	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
71	7.2	Historical Flood Events	0	0	0	-	-
71	7.3	Flood Defences	0	0	0	-	-
72	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
72	7.5	Flood Storage Areas	0	0	0	-	-
73	7.6	Flood Zone 2	None (within 50m)				
73	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding >	
74 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)

Page	Section	Groundwater flooding >	
76 >	9.1 >	Groundwater flooding >	Negligible (within 50m)

Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
77	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
78	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
78	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
78	10.4	Special Protection Areas (SPA)	0	0	0	0	0
78	10.5	National Nature Reserves (NNR)	0	0	0	0	0
79 >	10.6 >	Local Nature Reserves (LNR) >	0	0	0	0	1
79 >	10.7 >	Designated Ancient Woodland >	0	0	3	1	12
80	10.8	Biosphere Reserves	0	0	0	0	0
80	10.9	Forest Parks	0	0	0	0	0
80	10.10	Marine Conservation Zones	0	0	0	0	0
80 >	10.11 >	Green Belt >	2	1	1	0	6
81	10.12	Proposed Ramsar sites	0	0	0	0	0

81	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
82	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
82	10.15	Nitrate Sensitive Areas	0	0	0	0	0
82 >	**10.16 >**	**Nitrate Vulnerable Zones >**	2	0	0	0	3
83 >	**10.17 >**	**SSSI Impact Risk Zones >**	3	-	-	-	-
84	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
85	11.1	World Heritage Sites	0	0	0	-	-
85	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
85	11.3	National Parks	0	0	0	-	-
85	11.4	Listed Buildings	0	0	0	-	-
86	11.5	Conservation Areas	0	0	0	-	-
86	11.6	Scheduled Ancient Monuments	0	0	0	-	-
86	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	**Agricultural designations >**	On site	0-50m	50-250m	250-500m	500-2000m
87 >	**12.1 >**	**Agricultural Land Classification >**	Urban (within 250m)				
88	12.2	Open Access Land	0	0	0	-	-
88 >	**12.3 >**	**Tree Felling Licences >**	3	7	20	-	-
89 >	**12.4 >**	**Environmental Stewardship Schemes >**	0	0	1	-	-
90	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	**Habitat designations >**	On site	0-50m	50-250m	250-500m	500-2000m
91 >	**13.1 >**	**Priority Habitat Inventory >**	2	9	12	-	-
92	13.2	Habitat Networks	0	0	0	-	-
93	13.3	Open Mosaic Habitat	0	0	0	-	-
93	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	**Geology 1:10,000 scale >**	On site	0-50m	50-250m	250-500m	500-2000m
94 >	**14.1 >**	**10k Availability >**	Identified (within 500m)				
95 >	**14.2 >**	**Artificial and made ground (10k) >**	3	3	2	3	-
97	14.3	Superficial geology (10k)	0	0	0	0	-

97	14.4	Landslip (10k)	0	0	0	0	-
98 >	14.5 >	Bedrock geology (10k) >	6	2	3	14	-
100 >	14.6 >	Bedrock faults and other linear features (10k) >	7	1	3	11	-
Page	Section	**Geology 1:50,000 scale** >	On site	0-50m	50-250m	250-500m	500-2000m
102 >	15.1 >	50k Availability >	Identified (within 500m)				
103 >	15.2 >	Artificial and made ground (50k) >	3	0	1	2	-
104 >	15.3 >	Artificial ground permeability (50k) >	1	0	-	-	-
105	15.4	Superficial geology (50k)	0	0	0	0	-
105	15.5	Superficial permeability (50k)	None (within 50m)				
105	15.6	Landslip (50k)	0	0	0	0	-
105	15.7	Landslip permeability (50k)	None (within 50m)				
106 >	15.8 >	Bedrock geology (50k) >	5	2	3	10	-
108 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
108 >	15.10 >	Bedrock faults and other linear features (50k) >	11	1	4	15	-
Page	Section	**Boreholes** >	On site	0-50m	50-250m	250-500m	500-2000m
110 >	16.1 >	BGS Boreholes >	8	12	42	-	-
Page	Section	**Natural ground subsidence** >					
114 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
116 >	17.2 >	Running sands >	Very low (within 50m)				
118 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
120 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
121 >	17.5 >	Landslides >	Low (within 50m)				
123 >	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
125 >	18.1 >	BritPits >	1	0	6	25	-
136 >	18.2 >	Surface ground workings >	13	14	40	-	-
139 >	18.3 >	Underground workings >	12	6	33	63	312
154	18.4	Underground mining extents	0	0	0	0	-
155	18.5	Historical Mineral Planning Areas	0	0	0	0	-

155 >	18.6 >	Non-coal mining >	2	1	0	6	22
159	18.7	JPB mining areas	None (within 0m)				
159 >	18.8 >	The Coal Authority non-coal mining >	2	0	4	10	-
160 >	18.9 >	Researched mining >	4	0	129	181	-
171 >	18.10 >	Mining record office plans >	0	0	1	1	-
172	18.11	BGS mine plans	0	0	0	0	-
172 >	18.12 >	Coal mining >	Identified (within 0m)				
172	18.13	Brine areas	None (within 0m)				
172	18.14	Gypsum areas	None (within 0m)				
172	18.15	Tin mining	None (within 0m)				
173	18.16	Clay mining	None (within 0m)				
Page	Section	**Ground cavities and sinkholes >**	On site	0-50m	50-250m	250-500m	500-2000m
174	19.1	Natural cavities	0	0	0	0	-
175 >	19.2 >	Mining cavities >	0	0	0	1	0
175	19.3	Reported recent incidents	0	0	0	0	-
175	19.4	Historical incidents	0	0	0	0	-
Page	Section	**Radon >**					
176 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	**Soil chemistry >**	On site	0-50m	50-250m	250-500m	500-2000m
178 >	21.1 >	BGS Estimated Background Soil Chemistry >	25	7	-	-	-
180	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
180	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
181	22.1	Underground railways (London)	0	0	0	-	-
181	22.2	Underground railways (Non-London)	0	0	0	-	-
182 >	22.3 >	Railway tunnels >	1	0	0	-	-
182 >	22.4 >	Historical railway and tunnel features >	13	0	5	-	-
183	22.5	Royal Mail tunnels	0	0	0	-	-
183	22.6	Historical railways	0	0	0	-	-

183 >	22.7 >	Railways >	2	0	0	-	-
184	22.8	Crossrail 2	0	0	0	0	-
184 >	22.9 >	HS2 >	0	0	3	1	-

Recent aerial photograph

Capture Date: 19/04/2021

Site Area: 17.51ha

Recent site history - 2018 aerial photograph

Capture Date: 30/06/2018

Site Area: 17.51ha

Recent site history - 2012 aerial photograph

Capture Date: 28/05/2012

Site Area: 17.51ha

Recent site history - 2009 aerial photograph

Capture Date: 11/09/2009

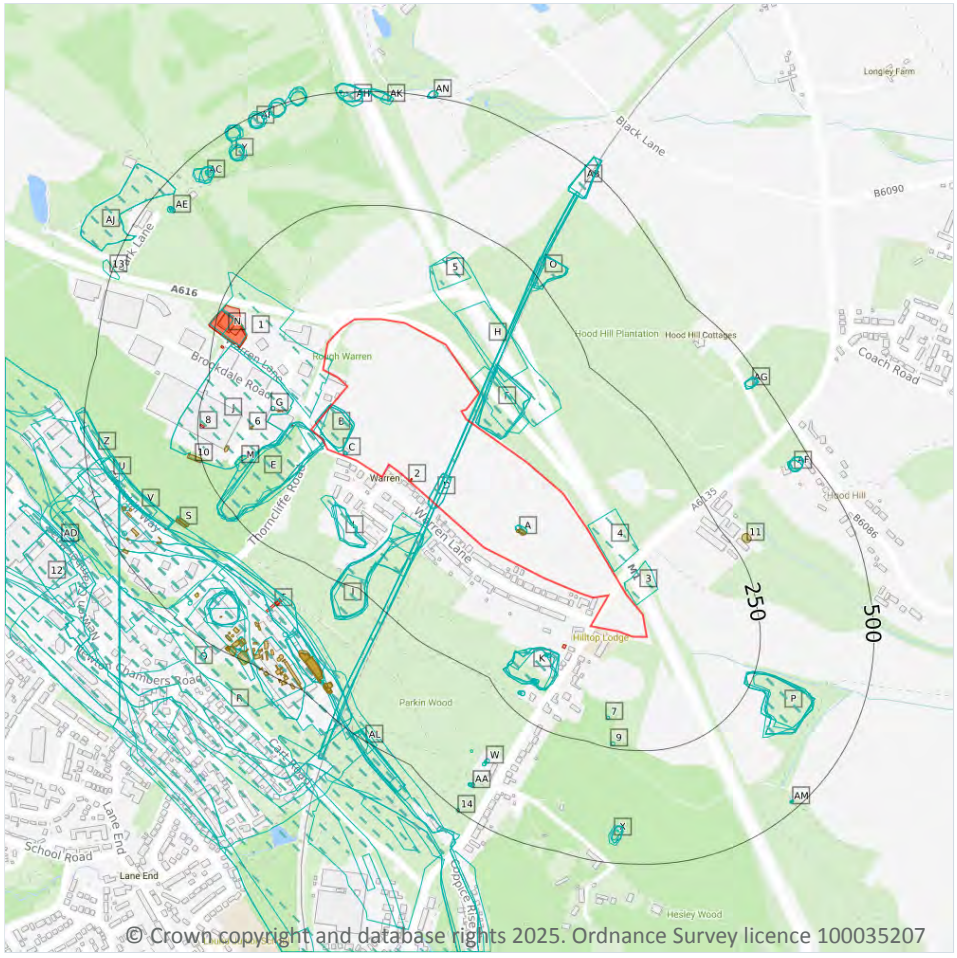
Site Area: 17.51ha

Recent site history - 1999 aerial photograph

Capture Date: 17/11/1999

Site Area: 17.51ha

1 Past land use



Site Outline

Search buffers in metres (m)

Historical industrial land uses

Historical tanks

Historical energy features

1.1 Historical industrial land uses

Records within 500m	238

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Opencast Mining**	**1956**	**1609998**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Tank**	**1903**	**1628434**
A	**On site**	**Unspecified Tanks**	**1965 - 1980**	**1653105**
A	**On site**	**Unspecified Tanks**	**1938**	**1653645**
A	**On site**	**Unspecified Tanks**	**1956**	**1683498**
A	**On site**	**Unspecified Tanks**	**1938 - 1948**	**1714487**
B	**On site**	**Unspecified Heap**	**1938**	**1638356**
B	**On site**	**Refuse Heaps**	**1903**	**1655338**
B	**On site**	**Unspecified Heap**	**1956**	**1669224**
B	**On site**	**Refuse Heaps**	**1894**	**1678570**
C	**On site**	**Smithy**	**1894**	**1642739**
C	**On site**	**Smithy**	**1903**	**1766247**
D	**On site**	**Unspecified Heap**	**1956**	**1649289**
D	**On site**	**Tunnel**	**1948 - 1956**	**1661674**
D	**On site**	**Tunnel**	**1965**	**1664978**
D	**On site**	**Tunnel**	**1980 - 1991**	**1673007**
D	**On site**	**Tunnel**	**1938**	**1682389**
D	**On site**	**Unspecified Heap**	**1948**	**1685502**
D	**On site**	**Tunnel**	**1903**	**1747057**
E	**On site**	**Unspecified Quarry**	**1903**	**1676924**
E	**On site**	**Unspecified Quarry**	**1938**	**1684242**
E	**On site**	**Unspecified Heap**	**1956**	**1746564**
E	**On site**	**Unspecified Heaps**	**1948**	**1765538**
F	2m NE	Cuttings	1991	1734683
3	3m NE	Cuttings	1980 - 1991	1753646
E	3m SW	Unspecified Heap	1894	1659583
4	3m NE	Cuttings	1980 - 1991	1728651
F	4m NE	Unspecified Heap	1903	1715738
F	4m NE	Unspecified Heap	1938	1771519

ID	Location	Land use	Dates present	Group ID
F	5m NE	Unspecified Heap	1948	1755037
F	6m NE	Delf	1956	1634947
F	6m NE	Unspecified Heap	1965	1718637
E	23m SW	Unspecified Heap	1965	1743152
H	49m NE	Cuttings	1980	1700014
I	52m SW	Unspecified Heap	1894	1690685
H	57m NE	Cuttings	1991	1681109
J	62m W	Unspecified Works	1980	1612942
J	62m W	Unspecified Factory	1965	1635467
I	68m SW	Unspecified Heaps	1956	1651722
I	71m SW	Unspecified Heaps	1948	1717666
I	81m SW	Unspecified Heap	1938	1735692
G	92m NW	Chimney	1965 - 1980	1640516
K	93m SW	Unspecified Heap	1948	1749283
L	93m S	Unspecified Quarry	1894	1719435
K	93m SW	Unspecified Heap	1956	1743922
K	95m SW	Unspecified Heap	1938	1653583
K	95m SW	Unspecified Heap	1903	1710945
5	99m NE	Cuttings	1991	1711284
L	102m SW	Unspecified Quarry	1948	1731555
L	103m SW	Unspecified Quarry	1956	1712169
L	104m SW	Unspecified Quarry	1903	1656270
K	106m SW	Unspecified Heap	1894	1676897
K	107m SW	Unspecified Shaft	1980 - 1991	1764416
K	108m SW	Unspecified Disused Shaft	1965	1630223
K	112m SW	Unspecified Shafts	1956	1705056
K	112m SW	Unspecified Shafts	1938 - 1948	1660584
K	112m SW	Unspecified Shafts	1903	1723970

ID	Location	Land use	Dates present	Group ID
K	117m SW	Unspecified Heap	1965	1693380
I	123m SW	Unspecified Heap	1903	1695657
M	132m SW	Unspecified Quarry	1956	1674178
K	150m W	Unspecified Shafts	1903	1616578
K	165m SW	Unspecified Disused Shaft	1980 - 1991	1756971
K	167m SW	Unspecified Disused Shafts	1965	1611537
K	170m SW	Unspecified Shafts	1903	1639713
K	170m SW	Unspecified Shafts	1938	1678509
K	171m SW	Unspecified Shafts	1956	1708469
K	172m SW	Unspecified Shafts	1948	1669386
N	179m W	Electric Substation	1991	1598335
7	183m S	Unspecified Shafts	1903	1616415
K	205m SW	Unspecified Disused Shaft	1980 - 1991	1744652
K	206m SW	Unspecified Disused Shafts	1965	1611538
K	211m SW	Unspecified Shafts	1956	1642765
K	211m SW	Unspecified Shafts	1903	1691348
K	211m SW	Unspecified Shafts	1938 - 1948	1739755
O	215m NE	Unspecified Heap	1948	1705010
I	226m SW	Unspecified Heap	1965	1640975
O	230m NE	Unspecified Heap	1956	1738380
O	230m NE	Unspecified Heap	1965	1770007
O	230m NE	Unspecified Heap	1938	1655983
O	230m NE	Unspecified Heap	1903	1672608
P	233m E	Unspecified Heap	1956	1733602
P	233m E	Unspecified Heap	1965	1760697
P	234m E	Unspecified Heap	1948	1643550
P	234m E	Refuse Heap	1894	1643581
P	234m E	Unspecified Heap	1938	1694620

ID	Location	Land use	Dates present	Group ID
P	234m E	Refuse Heap	1903	1729909
9	235m S	Unspecified Shafts	1903	1616416
P	251m E	Unspecified Heap	1980 - 1991	1718607
Q	311m SW	Colliery	1938	1670823
Q	319m SW	Collieries	1894	1723174
Q	319m SW	Collieries	1903	1761443
Q	323m SW	Colliery	1956 - 1965	1694979
R	323m SW	Railway Sidings	1951 - 1966	1709250
Q	335m SW	Chemical Works	1980 - 1991	1761661
Q	336m SW	Colliery	1948	1748245
S	339m SW	Unspecified Tanks	1938	1647522
S	341m SW	Unspecified Tanks	1956	1681315
S	343m SW	Unspecified Tanks	1948	1731152
Q	344m SW	Colliery	1938	1734826
Q	344m SW	Railway Sidings	1903	1740260
Q	344m SW	Railway Sidings	1894	1754730
12	347m SW	Unspecified Works	1980	1732585
R	350m SW	Railway Sidings	1948	1654023
U	363m SW	Cuttings	1948	1725603
V	364m SW	Cuttings	1956 - 1965	1718992
V	367m SW	Cuttings	1938	1654223
V	367m SW	Cuttings	1903	1686924
W	369m SW	Unspecified Disused Shaft	1965	1630105
Q	375m SW	Refuse Heap	1903	1729125
W	375m SW	Unspecified Shafts	1956	1707783
W	376m SW	Unspecified Shafts	1948	1687361
W	376m SW	Unspecified Shafts	1948	1708917
W	377m SW	Unspecified Shafts	1956	1616412

ID	Location	Land use	Dates present	Group ID
Q	377m SW	Refuse Heap	1938	1776588
Q	379m SW	Refuse Heap	1894	1762040
W	380m SW	Unspecified Shafts	1938	1749046
W	380m SW	Unspecified Shafts	1903	1776386
Q	383m SW	Refuse Heap	1938	1700466
Q	383m SW	Refuse Heap	1956	1657576
U	384m SW	Cuttings	1894	1669587
Q	386m SW	Refuse Heap	1948	1701263
Q	388m SW	Refuse Heap	1956	1734783
Q	388m SW	Refuse Heap	1948	1764759
Q	401m SW	Unspecified Tank	1965	1628634
X	417m S	Refuse Heap	1948	1691834
X	418m S	Refuse Heap	1894	1772440
X	419m S	Refuse Heap	1903	1666717
X	419m S	Refuse Heap	1938	1716539
Q	420m S	Unspecified Tanks	1980 - 1991	1731926
X	426m S	Unspecified Old Shaft	1903	1601036
Q	428m SW	Refuse Heap	1903	1751585
Q	428m SW	Refuse Heap	1894	1769167
Y	428m NW	Unspecified Heap	1965 - 1991	1639087
Z	429m W	Cuttings	1951	1740889
Y	430m NW	Old Ironstone Pits	1903	1638489
Y	430m NW	Old Ironstone Pits	1938	1694133
Y	430m NW	Unspecified Heap	1894	1722443
AA	431m SW	Unspecified Disused Shaft	1965	1630106
Q	432m S	Unspecified Tanks	1980 - 1991	1776740
AB	432m NE	Cuttings	1938	1707533
AB	432m NE	Cuttings	1903	1773263

ID	Location	Land use	Dates present	Group ID
AC	432m NW	Refuse Heap	1894	1657776
AC	432m NW	Old Ironstone Pits	1938 - 1948	1716059
AC	432m NW	Refuse Heap	1903	1759641
Y	433m NW	Old Ironstone Pits	1948	1760988
AA	434m SW	Unspecified Shafts	1903	1715093
AA	434m SW	Unspecified Shafts	1948	1666783
AB	434m NE	Cuttings	1956	1648500
AB	434m NE	Cuttings	1965 - 1991	1776276
AA	435m SW	Unspecified Shafts	1956	1740266
V	435m SW	Unspecified Tank	1965	1710183
AA	436m SW	Unspecified Shafts	1938	1737954
Y	436m NW	Old Ironstone Pits	1956	1741723
AC	436m NW	Unspecified Heap	1965 - 1991	1691196
V	437m W	Unspecified Tank	1938	1761418
AC	440m NW	Unspecified Heap	1956	1741436
AD	441m W	Unspecified Commercial/Industrial	1966	1599710
AD	441m W	Iron Works	1951	1767267
AB	442m NE	Cuttings	1948	1736426
AE	443m NW	Unspecified Shaft	1965 - 1991	1652853
AC	445m NW	Unspecified Disused Shaft	1965 - 1991	1665649
Z	446m W	Cuttings	1938	1696214
AC	447m NW	Unspecified Old Shaft	1938 - 1956	1730186
AE	447m NW	Unspecified Shaft	1938	1696872
AE	447m NW	Unspecified Shaft	1903	1776184
Q	450m SW	Chimney	1965	1631188
AE	450m NW	Unspecified Shaft	1948	1669724
AF	450m NE	Old Ironstone Pits	1903	1670124
AF	450m NE	Unspecified Heap	1894	1684921

ID	Location	Land use	Dates present	Group ID
AF	450m NE	Old Ironstone Pits	1938	1761848
AC	451m NW	Unspecified Old Shaft	1903	1668060
AF	452m NE	Old Ironstone Pits	1948	1726311
AE	452m NW	Unspecified Shaft	1956	1737365
Q	453m SW	Unspecified Tanks	1956	1764383
Q	454m SW	Unspecified Tanks	1948	1643195
Q	455m SW	Unspecified Tanks	1938	1763645
AF	456m NE	Unspecified Heap	1965	1645992
AF	456m NE	Old Ironstone Pits	1956	1714587
AG	462m NE	Unspecified Pit	1938	1695437
AG	462m NE	Unspecified Pit	1903	1727621
AG	463m NE	Unspecified Pit	1948	1667705
V	465m SW	Unspecified Tank	1965	1628624
AG	467m NE	Unspecified Pit	1956	1692699
AH	469m N	Unspecified Heap	1894	1646005
AH	469m N	Old Ironstone Pits	1903	1730425
AI	469m NW	Unspecified Heap	1965 - 1991	1725106
Y	471m NW	Unspecified Heap	1965 - 1991	1664653
AI	471m NW	Unspecified Heap	1894	1707694
AI	471m NW	Old Ironstone Pits	1938	1771794
AI	471m NW	Old Ironstone Pits	1903	1774757
AJ	471m NW	Refuse Heap	1894	1646886
AJ	471m NW	Unspecified Heap	1938	1671911
AJ	471m NW	Refuse Heap	1903	1768108
Y	471m NW	Unspecified Heap	1894	1700346
Y	471m NW	Old Ironstone Pits	1938	1720808
Y	471m NW	Old Ironstone Pits	1903	1758069
AK	472m N	Old Ironstone Pits	1903	1667374

ID	Location	Land use	Dates present	Group ID
AI	472m NW	Old Ironstone Pits	1948	1639393
AI	475m NW	Old Ironstone Pits	1956	1639611
AL	475m SW	Cuttings	1965	1638388
AI	475m N	Old Ironstone Pits	1903	1646322
AI	475m N	Unspecified Heap	1894	1729328
AI	475m N	Old Ironstone Pits	1938	1770950
Y	478m NW	Old Ironstone Pits	1956	1735090
AH	478m N	Unspecified Ground Workings	1948	1674962
AI	479m N	Old Ironstone Pits	1956	1741679
AI	479m N	Unspecified Heap	1965 - 1991	1755079
Q	479m SW	Unspecified Tanks	1965	1697866
AH	480m N	Old Ironstone Pits	1938	1725310
AK	480m N	Old Ironstone Pits	1938	1711681
AM	480m SE	Unspecified Old Shaft	1938	1667133
AM	480m SE	Unspecified Old Shaft	1903	1736057
13	480m W	Unspecified Pit	1951	1606236
AH	480m N	Unspecified Heap	1956	1652622
AH	480m N	Unspecified Heap	1965	1770393
AM	480m SE	Unspecified Old Shaft	1956	1698041
AM	481m SE	Unspecified Old Shaft	1948	1709928
Q	481m SW	Unspecified Tanks	1956	1688900
AK	481m N	Unspecified Heap	1956	1622330
Q	482m SW	Unspecified Tanks	1938	1706877
AL	485m SW	Cuttings	1938	1676339
AL	485m SW	Cuttings	1903	1747369
AI	486m N	Unspecified Heap	1894	1718598
AI	486m N	Old Ironstone Pits	1903	1761624
AI	486m N	Old Ironstone Pits	1938	1766160

ID	Location	Land use	Dates present	Group ID
AL	488m SW	Cuttings	1948	1687057
AI	489m N	Unspecified Heap	1965 - 1991	1654368
AI	489m N	Old Ironstone Pits	1956	1743607
AL	489m SW	Cuttings	1956	1708244
AH	492m N	Unspecified Disused Shaft	1965	1630257
AL	492m SW	Cuttings	1894	1736282
14	495m SW	Unspecified Disused Shaft	1980 - 1991	1717579
AN	497m N	Old Ironstone Pits	1903	1648630
AN	497m N	Old Ironstone Pits	1938	1732015
AH	497m N	Unspecified Old Shaft	1948	1673527
AH	498m N	Unspecified Old Shaft	1938	1725890
AH	498m N	Unspecified Old Shaft	1956	1735348
AN	499m N	Old Ironstone Pits	1948	1767881

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**72**

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Tank**	**1931**	**273741**
A	**On site**	**Unspecified Tank**	**1893 - 1931**	**277042**
A	**On site**	**Tanks**	**1956 - 1980**	**289348**
G	74m NW	Tanks	1980	264963
G	78m NW	Tanks	1980	264962

ID	Location	Land use	Dates present	Group ID
6	128m W	Unspecified Tank	1980	273918
M	185m W	Tanks	1991	264969
10	249m W	Unspecified Tank	1956 - 1988	282432
11	274m NE	Unspecified Tank	1990 - 1993	277305
S	340m SW	Tanks	1956 - 1973	279113
S	347m SW	Tanks	1931	285797
S	409m SW	Tanks	1956	264966
Q	411m S	Unspecified Tank	1931	273924
S	411m SW	Tanks	1956	264965
Q	417m S	Unspecified Tank	1931	273925
Q	418m SW	Tanks	1973	282326
S	418m SW	Unspecified Tank	1931	273923
Q	422m SW	Tanks	1980	287729
Q	424m SW	Tanks	1988 - 1991	276037
Q	424m S	Tanks	1973	281849
Q	426m SW	Unspecified Tank	1956	273927
V	432m SW	Unspecified Tank	1931	273921
Q	435m SW	Unspecified Tank	1973	273928
V	439m SW	Unspecified Tank	1956	273926
Q	440m SW	Tanks	1956	264919
Q	441m SW	Tanks	1956	264968
V	443m SW	Unspecified Tank	1931	273920
V	443m SW	Tanks	1956	264964
Q	445m SW	Tanks	1973	278466
Q	446m SW	Tanks	1980	278536
Q	447m SW	Tanks	1988 - 1991	278016
Q	449m SW	Unspecified Tank	1931 - 1956	287107
Q	450m SW	Tanks	1956	264923

ID	Location	Land use	Dates present	Group ID
Q	452m S	Tanks	1956	264916
Q	454m SW	Tanks	1973	292028
Q	454m SW	Tanks	1956	264925
Q	455m SW	Tanks	1956	264915
Q	456m SW	Tanks	1973	283850
Q	456m SW	Unspecified Tank	1905	273919
Q	456m SW	Tanks	1973	290670
Q	457m SW	Tanks	1956	264924
Q	458m SW	Unspecified Tank	1905	273803
Q	459m SW	Unspecified Tank	1980	282986
Q	459m SW	Tanks	1956	264921
Q	460m SW	Unspecified Tank	1988	279361
Q	460m SW	Unspecified Tank	1991	280494
Q	461m SW	Tanks	1956	264912
Q	461m SW	Tanks	1931	289950
Q	464m SW	Tanks	1931 - 1956	283859
Q	464m SW	Tanks	1956	264918
Q	465m S	Unspecified Tank	1931	273804
Q	466m S	Tanks	1956	264917
V	468m SW	Unspecified Tank	1931	273922
Q	472m SW	Tanks	1956	264922
Q	472m SW	Tanks	1956	264926
Q	473m S	Unspecified Tank	1956	273800
Q	474m SW	Tanks	1956	264920
Q	480m SW	Tanks	1956	264933
Q	481m S	Tanks	1931 - 1956	276175
Q	482m SW	Tanks	1931 - 1956	281759
Q	483m SW	Tanks	1956	264932

ID	Location	Land use	Dates present	Group ID
V	483m SW	Tanks	1956	264967
Q	484m SW	Tanks	1973	264936
Q	485m SW	Tanks	1956	264930
Q	486m SW	Unspecified Tank	1980	279093
Q	487m SW	Unspecified Tank	1988 - 1991	281933
Q	495m SW	Unspecified Tank	1956	273805
Q	496m SW	Tanks	1956	264927
Q	497m SW	Tanks	1956	264913
Q	497m SW	Tanks	1980 - 1991	281061
Q	499m SW	Tanks	1956	264929
Q	500m SW	Tanks	1956	264931

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**14**

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
2	**On site**	**Electricity Substation**	**1980 - 1991**	**181413**
G	40m W	Electricity Substation	1991	162831
K	68m SW	Electricity Substation	1973 - 1980	183424
N	177m W	Electricity Substation	1993	184731
N	178m W	Electricity Substation	1973	168855
N	180m W	Electricity Substation	1991	167272
N	190m W	Electricity Substation	1983	169559

ID	Location	Land use	Dates present	Group ID
N	205m W	Electricity Substation	1956	171457
N	224m W	Electricity Substation	1991 - 1993	180608
8	235m W	Electricity Substation	1980	162825
T	345m S	Electricity Substation	1980	184174
T	349m S	Electricity Substation	1988 - 1991	171477
S	381m SW	Electricity Substation	1973	162833
S	385m SW	Electricity Substation	1980 - 1991	166270

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped 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	0

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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

This data is sourced from Ordnance Survey / Groundsure.

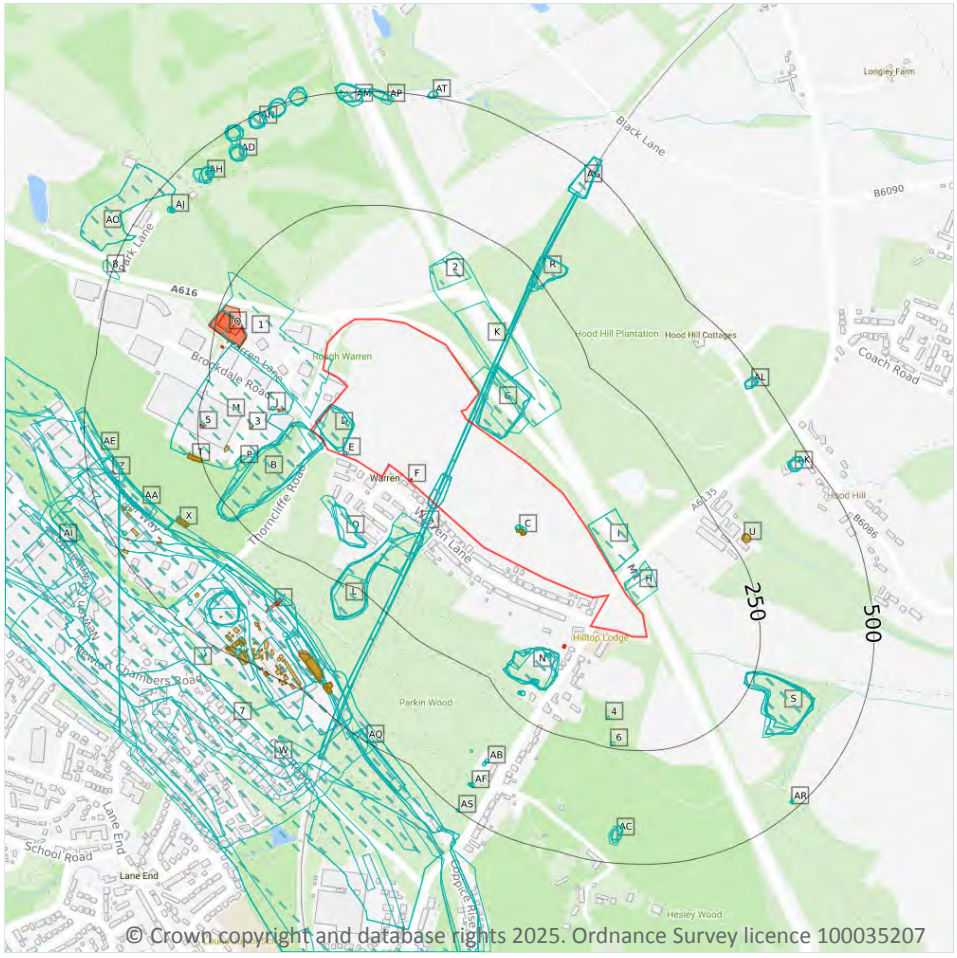
1.6 Historical military land

Records within 500m	0

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

2.1 Historical industrial land uses

Records within 500m	302

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 28 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Opencast Mining**	**1956**	**1609998**
A	**On site**	**Tunnel**	**1991**	**1673007**
A	**On site**	**Tunnel**	**1980**	**1673007**

ID	Location	Land Use	Date	Group ID
A	On site	Tunnel	1965	1664978
A	On site	Tunnel	1956	1661674
A	On site	Tunnel	1938	1682389
A	On site	Tunnel	1903	1747057
A	On site	Unspecified Heap	1956	1649289
A	On site	Unspecified Heap	1948	1685502
A	On site	Tunnel	1948	1661674
A	On site	Unspecified Heap	1948	1685502
B	On site	Unspecified Quarry	1938	1684242
B	On site	Unspecified Quarry	1903	1676924
B	On site	Unspecified Heap	1956	1746564
B	On site	Unspecified Heaps	1948	1765538
B	On site	Unspecified Heaps	1948	1765538
C	On site	Unspecified Tanks	1980	1653105
C	On site	Unspecified Tanks	1965	1653105
C	On site	Unspecified Tanks	1956	1683498
C	On site	Unspecified Tanks	1938	1714487
C	On site	Unspecified Tanks	1938	1653645
C	On site	Unspecified Tank	1903	1628434
C	On site	Unspecified Tanks	1948	1714487
D	On site	Unspecified Heap	1956	1669224
D	On site	Unspecified Heap	1938	1638356
D	On site	Refuse Heaps	1903	1655338
D	On site	Refuse Heaps	1894	1678570
E	On site	Smithy	1903	1766247
E	On site	Smithy	1894	1642739
G	2m NE	Cuttings	1991	1734683
H	3m NE	Cuttings	1980	1753646

ID	Location	Land Use	Date	Group ID
B	3m SW	Unspecified Heap	1894	1659583
I	3m NE	Cuttings	1991	1728651
I	3m NE	Cuttings	1980	1728651
G	4m NE	Unspecified Heap	1938	1771519
G	4m NE	Unspecified Heap	1903	1715738
H	5m NE	Cuttings	1991	1753646
G	5m NE	Unspecified Heap	1948	1755037
G	5m NE	Unspecified Heap	1948	1755037
G	6m NE	Delf	1956	1634947
G	6m NE	Unspecified Heap	1965	1718637
B	23m SW	Unspecified Heap	1965	1743152
K	49m NE	Cuttings	1980	1700014
L	52m SW	Unspecified Heap	1894	1690685
K	57m NE	Cuttings	1991	1681109
M	62m W	Unspecified Works	1980	1612942
M	62m W	Unspecified Factory	1965	1635467
L	68m SW	Unspecified Heaps	1956	1651722
L	71m SW	Unspecified Heaps	1948	1717666
L	71m SW	Unspecified Heaps	1948	1717666
L	81m SW	Unspecified Heap	1938	1735692
J	92m NW	Chimney	1980	1640516
J	92m NW	Chimney	1965	1640516
N	93m SW	Unspecified Heap	1948	1749283
N	93m SW	Unspecified Heap	1948	1749283
O	93m S	Unspecified Quarry	1894	1719435
N	93m SW	Unspecified Heap	1956	1743922
N	95m SW	Unspecified Heap	1938	1653583
N	95m SW	Unspecified Heap	1903	1710945

ID	Location	Land Use	Date	Group ID
2	99m NE	Cuttings	1991	1711284
O	102m SW	Unspecified Quarry	1948	1731555
O	103m SW	Unspecified Quarry	1956	1712169
O	104m SW	Unspecified Quarry	1903	1656270
N	106m SW	Unspecified Heap	1894	1676897
N	107m SW	Unspecified Shaft	1991	1764416
N	107m SW	Unspecified Shaft	1980	1764416
N	108m SW	Unspecified Disused Shaft	1965	1630223
N	112m SW	Unspecified Shafts	1956	1705056
N	112m SW	Unspecified Shafts	1938	1660584
N	112m SW	Unspecified Shafts	1903	1723970
N	114m SW	Unspecified Shafts	1948	1660584
N	114m SW	Unspecified Shafts	1948	1660584
N	117m SW	Unspecified Heap	1965	1693380
L	123m SW	Unspecified Heap	1903	1695657
P	132m SW	Unspecified Quarry	1956	1674178
N	150m W	Unspecified Shafts	1903	1616578
N	165m SW	Unspecified Disused Shaft	1991	1756971
N	165m SW	Unspecified Disused Shaft	1980	1756971
N	167m SW	Unspecified Disused Shafts	1965	1611537
N	170m SW	Unspecified Shafts	1938	1678509
N	170m SW	Unspecified Shafts	1903	1639713
N	171m SW	Unspecified Shafts	1956	1708469
N	172m SW	Unspecified Shafts	1948	1669386
N	172m SW	Unspecified Shafts	1948	1669386
Q	179m W	Electric Substation	1991	1598335
4	183m S	Unspecified Shafts	1903	1616415
N	205m SW	Unspecified Disused Shaft	1991	1744652

ID	Location	Land Use	Date	Group ID
N	205m SW	Unspecified Disused Shaft	1980	1744652
N	206m SW	Unspecified Disused Shafts	1965	1611538
N	211m SW	Unspecified Shafts	1956	1642765
N	211m SW	Unspecified Shafts	1938	1739755
N	211m SW	Unspecified Shafts	1903	1691348
N	212m SW	Unspecified Shafts	1948	1739755
N	212m SW	Unspecified Shafts	1948	1739755
R	215m NE	Unspecified Heap	1948	1705010
R	215m NE	Unspecified Heap	1948	1705010
L	226m SW	Unspecified Heap	1965	1640975
R	230m NE	Unspecified Heap	1965	1770007
R	230m NE	Unspecified Heap	1956	1738380
R	230m NE	Unspecified Heap	1938	1655983
R	230m NE	Unspecified Heap	1903	1672608
S	233m E	Unspecified Heap	1965	1760697
S	233m E	Unspecified Heap	1956	1733602
S	234m E	Unspecified Heap	1948	1643550
S	234m E	Unspecified Heap	1948	1643550
S	234m E	Unspecified Heap	1938	1694620
S	234m E	Refuse Heap	1903	1729909
S	234m E	Refuse Heap	1894	1643581
6	235m S	Unspecified Shafts	1903	1616416
S	251m E	Unspecified Heap	1991	1718607
S	251m E	Unspecified Heap	1980	1718607
V	311m SW	Colliery	1938	1670823
V	319m SW	Collieries	1903	1761443
V	319m SW	Collieries	1894	1723174
V	323m SW	Colliery	1965	1694979

ID	Location	Land Use	Date	Group ID
V	323m SW	Colliery	1956	1694979
W	323m SW	Railway Sidings	1965	1709250
W	323m SW	Railway Sidings	1956	1709250
V	335m SW	Chemical Works	1991	1761661
V	335m SW	Chemical Works	1980	1761661
V	336m SW	Colliery	1948	1748245
V	336m SW	Colliery	1948	1748245
X	339m SW	Unspecified Tanks	1938	1647522
X	341m SW	Unspecified Tanks	1956	1681315
X	343m SW	Unspecified Tanks	1948	1731152
V	344m SW	Colliery	1938	1734826
V	344m SW	Railway Sidings	1903	1740260
V	344m SW	Railway Sidings	1894	1754730
X	347m SW	Unspecified Works	1980	1732585
7	350m SW	Railway Sidings	1948	1654023
Z	363m SW	Cuttings	1948	1725603
AA	364m SW	Cuttings	1956	1718992
AA	367m SW	Cuttings	1938	1654223
AA	367m SW	Cuttings	1903	1686924
AB	369m SW	Unspecified Disused Shaft	1965	1630105
V	375m SW	Refuse Heap	1903	1729125
AB	375m SW	Unspecified Shafts	1956	1707783
AB	376m SW	Unspecified Shafts	1948	1708917
AB	376m SW	Unspecified Shafts	1948	1687361
AB	377m SW	Unspecified Shafts	1956	1616412
V	377m SW	Refuse Heap	1938	1776588
V	379m SW	Refuse Heap	1894	1762040
AB	380m SW	Unspecified Shafts	1938	1749046

ID	Location	Land Use	Date	Group ID
AB	380m SW	Unspecified Shafts	1903	1776386
AA	382m SW	Cuttings	1965	1718992
V	383m SW	Refuse Heap	1938	1700466
V	383m SW	Refuse Heap	1956	1657576
Z	384m SW	Cuttings	1894	1669587
V	386m SW	Refuse Heap	1948	1701263
V	386m SW	Refuse Heap	1948	1701263
V	388m SW	Refuse Heap	1956	1734783
V	388m SW	Refuse Heap	1948	1764759
V	388m SW	Refuse Heap	1948	1764759
V	401m SW	Unspecified Tank	1965	1628634
AC	417m S	Refuse Heap	1948	1691834
AC	417m S	Refuse Heap	1948	1691834
AC	418m S	Refuse Heap	1894	1772440
AC	419m S	Refuse Heap	1938	1716539
AC	419m S	Refuse Heap	1903	1666717
V	420m S	Unspecified Tanks	1991	1731926
V	420m S	Unspecified Tanks	1980	1731926
AC	426m S	Unspecified Old Shaft	1903	1601036
V	428m SW	Refuse Heap	1903	1751585
V	428m SW	Refuse Heap	1894	1769167
AD	428m NW	Unspecified Heap	1991	1639087
AD	428m NW	Unspecified Heap	1980	1639087
AD	428m NW	Unspecified Heap	1965	1639087
AE	429m W	Cuttings	1951	1740889
AD	430m NW	Old Ironstone Pits	1938	1694133
AD	430m NW	Old Ironstone Pits	1903	1638489
AD	430m NW	Unspecified Heap	1894	1722443

ID	Location	Land Use	Date	Group ID
AF	431m SW	Unspecified Disused Shaft	1965	1630106
V	432m S	Unspecified Tanks	1991	1776740
V	432m S	Unspecified Tanks	1980	1776740
AG	432m NE	Cuttings	1938	1707533
AG	432m NE	Cuttings	1903	1773263
AH	432m NW	Old Ironstone Pits	1938	1716059
AH	432m NW	Refuse Heap	1903	1759641
AH	432m NW	Refuse Heap	1894	1657776
AD	433m NW	Old Ironstone Pits	1948	1760988
AF	434m SW	Unspecified Shafts	1903	1715093
AF	434m SW	Unspecified Shafts	1948	1666783
AF	434m SW	Unspecified Shafts	1948	1666783
AG	434m NE	Cuttings	1991	1776276
AG	434m NE	Cuttings	1980	1776276
AG	434m NE	Cuttings	1965	1776276
AG	434m NE	Cuttings	1956	1648500
AF	435m SW	Unspecified Shafts	1956	1740266
AA	435m SW	Unspecified Tank	1965	1710183
AF	436m SW	Unspecified Shafts	1938	1737954
AD	436m NW	Old Ironstone Pits	1956	1741723
AH	436m NW	Unspecified Heap	1991	1691196
AH	436m NW	Unspecified Heap	1980	1691196
AH	436m NW	Unspecified Heap	1965	1691196
AA	437m W	Unspecified Tank	1938	1761418
AH	438m NW	Old Ironstone Pits	1948	1716059
AH	440m NW	Unspecified Heap	1956	1741436
AI	441m W	Unspecified Commercial/Industrial	1966	1599710
AI	441m W	Railway Sidings	1966	1709250

ID	Location	Land Use	Date	Group ID
AI	441m W	Iron Works	1951	1767267
AG	442m NE	Cuttings	1948	1736426
AJ	443m NW	Unspecified Shaft	1991	1652853
AJ	443m NW	Unspecified Shaft	1980	1652853
AJ	443m NW	Unspecified Shaft	1965	1652853
AH	445m NW	Unspecified Disused Shaft	1991	1665649
AH	445m NW	Unspecified Disused Shaft	1980	1665649
AH	445m NW	Unspecified Disused Shaft	1965	1665649
AE	446m W	Cuttings	1938	1696214
AH	447m NW	Unspecified Old Shaft	1948	1730186
AH	447m NW	Unspecified Old Shaft	1948	1730186
AJ	447m NW	Unspecified Shaft	1938	1696872
AJ	447m NW	Unspecified Shaft	1903	1776184
AI	448m W	Railway Sidings	1951	1709250
AH	449m NW	Unspecified Old Shaft	1956	1730186
V	450m SW	Chimney	1965	1631188
AJ	450m NW	Unspecified Shaft	1948	1669724
AJ	450m NW	Unspecified Shaft	1948	1669724
AK	450m NE	Old Ironstone Pits	1938	1761848
AK	450m NE	Old Ironstone Pits	1903	1670124
AK	450m NE	Unspecified Heap	1894	1684921
AH	451m NW	Unspecified Old Shaft	1938	1730186
AH	451m NW	Unspecified Old Shaft	1903	1668060
AK	452m NE	Old Ironstone Pits	1948	1726311
AJ	452m NW	Unspecified Shaft	1956	1737365
V	453m SW	Unspecified Tanks	1956	1764383
V	454m SW	Unspecified Tanks	1948	1643195
V	455m SW	Unspecified Tanks	1938	1763645

ID	Location	Land Use	Date	Group ID
AK	456m NE	Old Ironstone Pits	1956	1714587
AK	456m NE	Unspecified Heap	1965	1645992
AL	462m NE	Unspecified Pit	1938	1695437
AL	462m NE	Unspecified Pit	1903	1727621
AL	463m NE	Unspecified Pit	1948	1667705
AL	463m NE	Unspecified Pit	1948	1667705
AA	465m SW	Unspecified Tank	1965	1628624
AL	467m NE	Unspecified Pit	1956	1692699
AM	469m N	Old Ironstone Pits	1903	1730425
AM	469m N	Unspecified Heap	1894	1646005
AN	469m NW	Unspecified Heap	1991	1725106
AN	469m NW	Unspecified Heap	1980	1725106
AN	469m NW	Unspecified Heap	1965	1725106
AD	471m NW	Unspecified Heap	1991	1664653
AD	471m NW	Unspecified Heap	1980	1664653
AD	471m NW	Unspecified Heap	1965	1664653
AN	471m NW	Old Ironstone Pits	1938	1771794
AN	471m NW	Old Ironstone Pits	1903	1774757
AN	471m NW	Unspecified Heap	1894	1707694
AO	471m NW	Unspecified Heap	1938	1671911
AO	471m NW	Refuse Heap	1903	1768108
AO	471m NW	Refuse Heap	1894	1646886
AD	471m NW	Old Ironstone Pits	1938	1720808
AD	471m NW	Old Ironstone Pits	1903	1758069
AD	471m NW	Unspecified Heap	1894	1700346
AP	472m N	Old Ironstone Pits	1903	1667374
AN	472m NW	Old Ironstone Pits	1948	1639393
AN	475m NW	Old Ironstone Pits	1956	1639611

ID	Location	Land Use	Date	Group ID
AQ	475m SW	Cuttings	1965	1638388
AN	475m N	Old Ironstone Pits	1938	1770950
AN	475m N	Old Ironstone Pits	1903	1646322
AN	475m N	Unspecified Heap	1894	1729328
AD	478m NW	Old Ironstone Pits	1956	1735090
AM	478m N	Unspecified Ground Workings	1948	1674962
AM	478m N	Unspecified Ground Workings	1948	1674962
AN	479m N	Old Ironstone Pits	1956	1741679
AN	479m N	Unspecified Heap	1991	1755079
AN	479m N	Unspecified Heap	1980	1755079
AN	479m N	Unspecified Heap	1965	1755079
V	479m SW	Unspecified Tanks	1965	1697866
AM	480m N	Old Ironstone Pits	1938	1725310
AP	480m N	Old Ironstone Pits	1938	1711681
AR	480m SE	Unspecified Old Shaft	1938	1667133
AR	480m SE	Unspecified Old Shaft	1903	1736057
8	480m W	Unspecified Pit	1951	1606236
AM	480m N	Unspecified Heap	1965	1770393
AM	480m N	Unspecified Heap	1956	1652622
AR	480m SE	Unspecified Old Shaft	1956	1698041
AR	481m SE	Unspecified Old Shaft	1948	1709928
AR	481m SE	Unspecified Old Shaft	1948	1709928
V	481m SW	Unspecified Tanks	1956	1688900
AP	481m N	Unspecified Heap	1956	1622330
V	482m SW	Unspecified Tanks	1938	1706877
AQ	485m SW	Cuttings	1938	1676339
AQ	485m SW	Cuttings	1903	1747369
AN	486m N	Old Ironstone Pits	1938	1766160

ID	Location	Land Use	Date	Group ID
AN	486m N	Old Ironstone Pits	1903	1761624
AN	486m N	Unspecified Heap	1894	1718598
AQ	488m SW	Cuttings	1948	1687057
AN	489m N	Old Ironstone Pits	1956	1743607
AN	489m N	Unspecified Heap	1991	1654368
AN	489m N	Unspecified Heap	1980	1654368
AN	489m N	Unspecified Heap	1965	1654368
AQ	489m SW	Cuttings	1956	1708244
AM	492m N	Unspecified Disused Shaft	1965	1630257
AQ	492m SW	Cuttings	1894	1736282
AS	495m SW	Unspecified Disused Shaft	1991	1717579
AS	495m SW	Unspecified Disused Shaft	1980	1717579
AT	497m N	Old Ironstone Pits	1938	1732015
AT	497m N	Old Ironstone Pits	1903	1648630
AM	497m N	Unspecified Old Shaft	1948	1673527
AM	497m N	Unspecified Old Shaft	1948	1673527
AM	498m N	Unspecified Old Shaft	1938	1725890
AM	498m N	Unspecified Old Shaft	1956	1735348
AT	499m N	Old Ironstone Pits	1948	1767881

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**90**

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 28 >**

ID	Location	Land Use	Date	Group ID
C	**On site**	**Unspecified Tank**	**1905**	**277042**

ID	Location	Land Use	Date	Group ID
C	**On site**	**Unspecified Tank**	**1931**	**277042**
C	**On site**	**Unspecified Tank**	**1931**	**273741**
C	**On site**	**Tanks**	**1980**	**289348**
C	**On site**	**Tanks**	**1956**	**289348**
C	**On site**	**Tanks**	**1973**	**289348**
C	**On site**	**Unspecified Tank**	**1893**	**277042**
J	74m NW	Tanks	1980	264963
J	78m NW	Tanks	1980	264962
3	128m W	Unspecified Tank	1980	273918
P	185m W	Tanks	1991	264969
T	249m W	Unspecified Tank	1980	282432
T	249m W	Unspecified Tank	1956	282432
T	249m W	Unspecified Tank	1973	282432
T	250m W	Unspecified Tank	1988	282432
U	274m NE	Unspecified Tank	1990	277305
U	275m NE	Unspecified Tank	1993	277305
X	340m SW	Tanks	1956	279113
X	340m SW	Tanks	1973	279113
X	347m SW	Tanks	1931	285797
X	409m SW	Tanks	1956	264966
V	411m S	Unspecified Tank	1931	273924
X	411m SW	Tanks	1956	264965
V	417m S	Unspecified Tank	1931	273925
V	418m SW	Tanks	1973	282326
X	418m SW	Unspecified Tank	1931	273923
V	422m SW	Tanks	1980	287729
V	424m SW	Tanks	1988	276037
V	424m SW	Tanks	1991	276037

ID	Location	Land Use	Date	Group ID
V	424m S	Tanks	1973	281849
V	426m SW	Unspecified Tank	1956	273927
AA	432m SW	Unspecified Tank	1931	273921
V	435m SW	Unspecified Tank	1973	273928
AA	439m SW	Unspecified Tank	1956	273926
V	440m SW	Tanks	1956	264919
V	441m SW	Tanks	1956	264968
AA	443m SW	Unspecified Tank	1931	273920
AA	443m SW	Tanks	1956	264964
V	445m SW	Tanks	1973	278466
V	446m SW	Tanks	1980	278536
V	447m SW	Tanks	1988	278016
V	447m SW	Tanks	1991	278016
V	449m SW	Unspecified Tank	1956	287107
V	450m SW	Tanks	1956	264923
V	452m S	Tanks	1956	264916
V	454m SW	Tanks	1973	292028
V	454m SW	Tanks	1956	264925
V	455m SW	Tanks	1956	264915
V	456m SW	Tanks	1973	283850
V	456m SW	Unspecified Tank	1905	273919
V	456m SW	Tanks	1973	290670
V	457m SW	Tanks	1956	264924
V	458m SW	Unspecified Tank	1931	287107
V	458m SW	Unspecified Tank	1905	273803
V	459m SW	Unspecified Tank	1980	282986
V	459m SW	Tanks	1956	264921
V	460m SW	Unspecified Tank	1988	279361

ID	Location	Land Use	Date	Group ID
V	460m SW	Unspecified Tank	1991	280494
V	461m SW	Tanks	1956	264912
V	461m SW	Tanks	1931	289950
V	464m SW	Tanks	1956	283859
V	464m SW	Tanks	1956	264918
V	465m S	Unspecified Tank	1931	273804
V	466m S	Tanks	1956	264917
AA	468m SW	Unspecified Tank	1931	273922
V	469m SW	Tanks	1931	283859
V	472m SW	Tanks	1956	264922
V	472m SW	Tanks	1956	264926
V	473m S	Unspecified Tank	1956	273800
V	474m SW	Tanks	1956	264920
V	480m SW	Tanks	1956	264933
V	481m S	Tanks	1956	276175
V	482m SW	Tanks	1956	281759
V	483m SW	Tanks	1956	264932
AA	483m SW	Tanks	1956	264967
V	484m SW	Tanks	1973	264936
V	485m SW	Tanks	1956	264930
V	485m SW	Tanks	1931	276175
V	486m SW	Unspecified Tank	1980	279093
V	487m SW	Unspecified Tank	1988	281933
V	487m SW	Unspecified Tank	1991	281933
V	489m SW	Tanks	1931	281759
V	495m SW	Unspecified Tank	1956	273805
V	496m SW	Tanks	1956	264927
V	497m SW	Tanks	1956	264913

ID	Location	Land Use	Date	Group ID
V	497m SW	Tanks	1980	281061
V	499m SW	Tanks	1956	264929
V	499m SW	Tanks	1988	281061
V	499m SW	Tanks	1991	281061
V	500m SW	Tanks	1956	264931

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**20**

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 28 >**

ID	Location	Land Use	Date	Group ID
F	**On site**	**Electricity Substation**	**1980**	**181413**
F	**On site**	**Electricity Substation**	**1991**	**181413**
J	40m W	Electricity Substation	1991	162831
N	68m SW	Electricity Substation	1980	183424
N	70m SW	Electricity Substation	1973	183424
Q	177m W	Electricity Substation	1993	184731
Q	178m W	Electricity Substation	1973	168855
Q	180m W	Electricity Substation	1991	167272
Q	190m W	Electricity Substation	1983	169559
Q	205m W	Electricity Substation	1956	171457
Q	224m W	Electricity Substation	1993	180608
Q	225m W	Electricity Substation	1991	180608
5	235m W	Electricity Substation	1980	162825
Y	345m S	Electricity Substation	1980	184174
Y	349m S	Electricity Substation	1988	171477

ID	Location	Land Use	Date	Group ID
Y	349m S	Electricity Substation	1991	171477
X	381m SW	Electricity Substation	1973	162833
X	385m SW	Electricity Substation	1980	166270
X	385m SW	Electricity Substation	1988	166270
X	385m SW	Electricity Substation	1991	166270

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	**0**

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'.

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill

3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 45 >**

ID	Location	Site address	Source	Data type
6	440m SW	Refuse Tips	1973 mapping	Polygon

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	2

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

Features are displayed on the Waste and landfill map on **page 45 >**

ID	Location	Details		
1	112m NW	Site Address: Tankersley Park Golf Club, High Green, Sheffield Licence Holder Address: High Green, Sheffield	Waste Licence: Yes Site Reference: 20B519, 4400/B519, WD20 B519 Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 17/04/1986 Licence Surrender: -	Operator: - Licence Holder: Tankersley Investments Limited First Recorded - Last Recorded: -
2	200m SW	Site Address: Warren Lane, Chapeltown, Bradford, West Yorkshire Licence Holder Address: -	Waste Licence: Yes Site Reference: 4400/(121)S Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/12/1960 Last Recorded: 31/12/1960

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	5

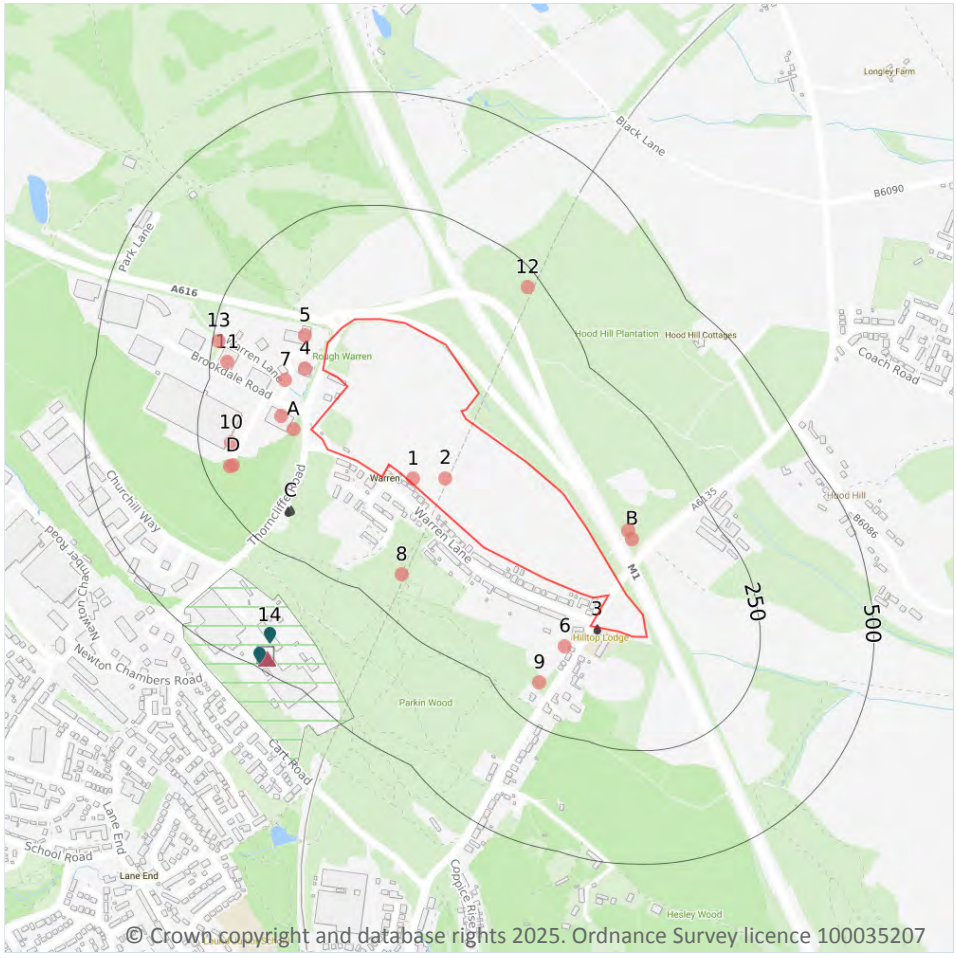
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 45 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
3	212m W	3, Brookdale Road, Thorncliffe Park, Chapeltown, S35 2pw	WEX012709	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	243m W	M&s Unit 3, Brookdale Road Chapeltown S35 2pw	EPR/EF0502KH/A001	Storing waste exemption	Non-agricultural waste only	Storage of waste in a secure place
A	248m W	Unit 3, Brookdale Road, Thorncliffe Park Estate, Chapeltown, Sheffield, S35 2pw	WEX151946	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
4	291m NE	-	WEX345050	Using waste exemption	On a farm	Use of waste for a specified purpose
5	372m SW	-	WEX406950	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	18

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Electricity Sub Station**	**South Yorkshire, S35**	**Electrical Features**	**Infrastructure and Facilities**
2	**On site**	**Air Shaft**	**South Yorkshire, S35**	**Unspecified Quarries Or Mines**	**Extractive Industries**
4	40m W	Icarlease	9, Brookdale Court, Sheffield, South Yorkshire, S35 2PT	Vehicle Hire and Rental	Hire Services

ID	Location	Company	Address	Activity	Category
A	40m W	Electricity Sub Station	South Yorkshire, S35	Electrical Features	Infrastructure and Facilities
5	52m W	T C Harrison J C B	8, Brookdale Court, Sheffield, South Yorkshire, S35 2PT	Construction Plant	Construction Services
6	72m SW	Electricity Sub Station	South Yorkshire, S35	Electrical Features	Infrastructure and Facilities
A	73m NW	Zapp GB Ltd	Unit 1, Brookdale Road, Sheffield, South Yorkshire, S35 2PW	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
B	73m NE	Mast	South Yorkshire, S35	Telecommunications Features	Infrastructure and Facilities
B	76m NE	Masts (Telecommunication)	South Yorkshire, S35	Telecommunications Features	Infrastructure and Facilities
7	86m W	Electricity Sub Station	South Yorkshire, S35	Electrical Features	Infrastructure and Facilities
8	165m SW	Air Shaft	South Yorkshire, S35	Unspecified Quarries Or Mines	Extractive Industries
9	168m SW	Shaft (Disused)	South Yorkshire, S35	Unspecified Quarries Or Mines	Extractive Industries
10	179m W	Electricity Sub Station	South Yorkshire, S35	Electrical Features	Infrastructure and Facilities
D	189m SW	Mast (Telecommunication)	South Yorkshire, S35	Telecommunications Features	Infrastructure and Facilities
D	195m SW	Pylon	South Yorkshire, S35	Electrical Features	Infrastructure and Facilities
11	212m W	Valbruna UK	Unit 4, Brookdale Road, Sheffield, South Yorkshire, S35 2PW	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
12	220m NE	Air Shaft	South Yorkshire, S35	Unspecified Quarries Or Mines	Extractive Industries
13	237m W	Electricity Sub Station	South Yorkshire, S35	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	1

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.

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Company	Address	Operational status	Tier
E	336m SW	Sherwin-Williams Diversified Brands Limited	Sherwin-Williams Diversified Brands Limited, Sheffield, Thorncliffe Park, Chapeltown, Sheffield, South Yorkshire, S35 2YP	Historical COMAH Site	COMAH Lower Tier Operator

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	1

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.

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Details	
E	475m SW	Application reference number: No Details Application status: Approved Application date: No Details Address: Sherwin-Williams Diversified Brands Ltd, Thorncliffe Park, Chapeltown, Sheffield, England, S35 2YP	Details: No Details Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	2

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

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Address	Details	
14	427m SW	Ronseal Ltd, Thorncliffe Lane, Sheffield, S35 2YP	Process: Manufacture of Coating Materials Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
E	478m SW	Sherwin Williams Ronseal Ltd, Thorncliffe Park, Chapeltown, Sheffield, S35 2YP	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	3

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

Features are displayed on the Current industrial land use map on **page 48 >**

ID	Location	Address	Details	
3	5m S	WARRENLANESHEFFIELDCSO,OUTSIDENORFOLKARMS,CHAPELTOWN,SHEFFIELD,SOUTHYORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9226 Permit Version: 1 Receiving Water: TRIBUTARY OF BLACKBURN BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 30/08/2007 Effective Date: 30/08/2007 Revocation Date: -
C	158m SW	WARRENLANESSO,CHAPELTOWN,NRROTHERHAM,SOUTHYORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: YWUCD2/18 Permit Version: 1 Receiving Water: TRIB OF BLACKBURN BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/11/1997 Effective Date: 12/11/1997 Revocation Date: 20/05/2004
C	162m SW	WARRENLANEPUBLICHOUSECSO,WARRENLANE,CHAPELTOWN,SHEFFIELD,SOUTHYORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8084 Permit Version: 1 Receiving Water: TRIB OF BLACKBURN BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 13/11/2003 Effective Date: 31/03/2004 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m	**0**

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

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

4.15 Pollutant release to public sewer

Records within 500m	**0**

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m	0

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

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

4.17 List 2 Dangerous Substances

Records within 500m	0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	0

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

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer

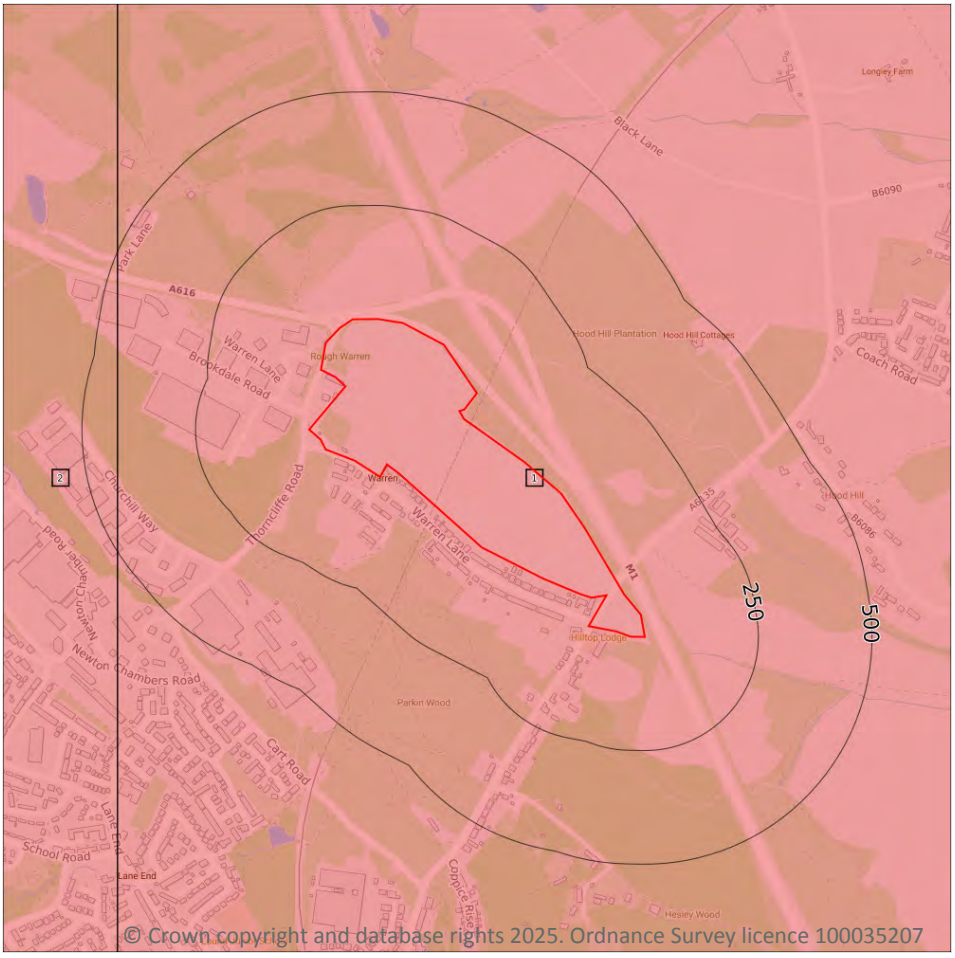
5.1 Superficial aquifer

Records within 500m	0

Aquifer status of groundwater held within superficial geology.

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

Bedrock aquifer



Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

5.2 Bedrock aquifer

Records within 500m	2

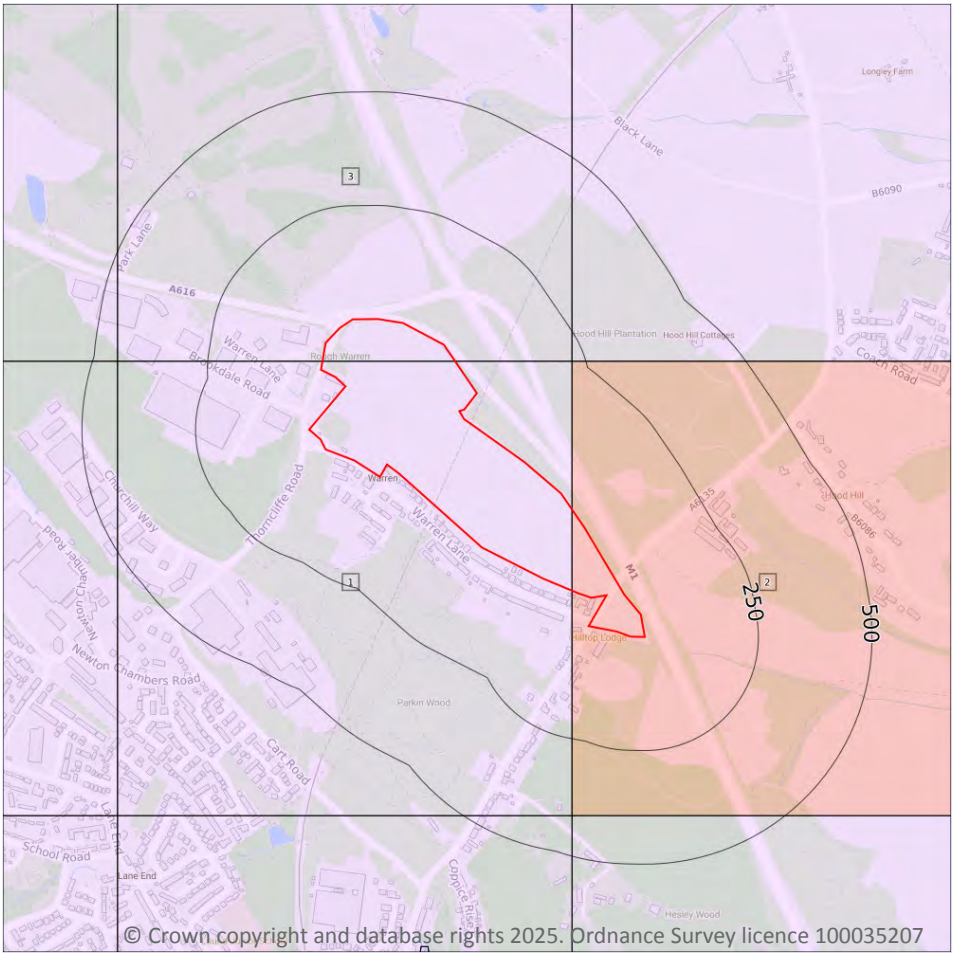
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 57 >**

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	422m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	3

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

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

Features are displayed on the Groundwater vulnerability map on **page 59 >**

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

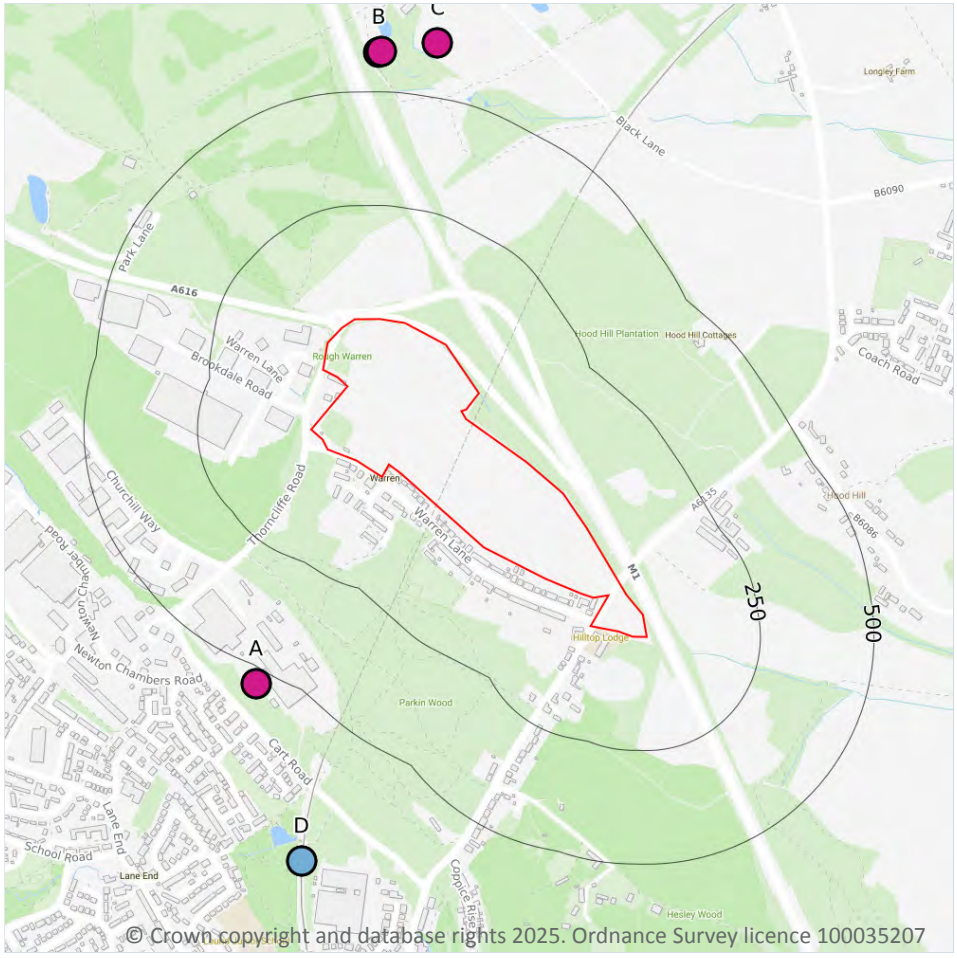
5.5 Groundwater vulnerability- local information

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
- 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	10

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 61 >**

ID	Location	Details	
A	533m SW	Status: Active Licence No: 2/27/06/087/R01 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-CHAPELTOWN-SHEFFIELD Data Type: Point Name: Sherwin-Williams UK Limited Easting: 435300 Northing: 397290	Annual Volume (m^3): 117000 Max Daily Volume (m^3): 540 Original Application No: NPS/WR/039835 Original Start Date: 01/04/2017 Expiry Date: 31/03/2029 Issue No: 2 Version Start Date: 02/10/2023 Version End Date: -
A	533m SW	Status: Historical Licence No: 2/27/06/087 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-CHAPELTOWN-SHEFFIELD Data Type: Point Name: Sherwin-Williams Diversified Brands Ltd Easting: 435300 Northing: 397290	Annual Volume (m^3): 130000 Max Daily Volume (m^3): 540 Original Application No: - Original Start Date: 03/01/2006 Expiry Date: 31/03/2017 Issue No: 2 Version Start Date: 09/01/2015 Version End Date: -
B	587m N	Status: Historical Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SHAFT COAL MEASURES-HIGH GREEN Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435570 Northing: 398680	Annual Volume (m^3): 8200 Max Daily Volume (m^3): 226 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/02/2004 Version End Date: -
B	588m N	Status: Active Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SHAFT COAL MEASURES-HIGH GREEN Data Type: Point Name: Tankersley Park Golf Club Ltd Easting: 435576 Northing: 398681	Annual Volume (m^3): 16000 Max Daily Volume (m^3): 280 Original Application No: NPS/WR/039923 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 104 Version Start Date: 30/04/2024 Version End Date: -

ID	Location	Details	
B	588m N	Status: Historical Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SHAFT COAL MEASURES-HIGH GREEN Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435576 Northing: 398681	Annual Volume (m^3): 8200 Max Daily Volume (m^3): 216.91 Original Application No: NPS/WR/021609 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 01/04/2017 Version End Date: -
C	620m N	Status: Historical Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - SHAFT - COAL MEASURES - HIGH GREEN SHEFFIELD Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435700 Northing: 398700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/10/2000 Version End Date: -
C	620m N	Status: Historical Licence No: 2/27/06/043 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-SHAFT-COAL MEASURES-HIGH GREEN-SHEFFIELD Data Type: Point Name: TANKERSLEY PARK GOLF CLUB Easting: 435700 Northing: 398700	Annual Volume (m^3): 8200 Max Daily Volume (m^3): 226 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 09/02/2004 Version End Date: -
-	1036m S	Status: Historical Licence No: NE/027/0006/008 Details: Mineral Washing Direct Source: GROUNDWATERS Point: BOREHOLE A - COAL MEASURES - HESLEY WOOD, SHEFFIELD Data Type: Point Name: RecyCoal Ltd Easting: 436438 Northing: 396395	Annual Volume (m^3): 218000 Max Daily Volume (m^3): 767 Original Application No: - Original Start Date: 14/11/2013 Expiry Date: 31/03/2029 Issue No: 1 Version Start Date: 14/11/2013 Version End Date: -

ID	Location	Details	
-	1518m S	Status: Historical Licence No: 2/27/06/079 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: CONOCO LTD Easting: 435610 Northing: 395960	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 19/11/1996 Expiry Date: - Issue No: 100 Version Start Date: 19/11/1996 Version End Date: -
-	1518m S	Status: Historical Licence No: 2/27/06/079 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - ECCLESFIELD ROAD SHEFFIELD Data Type: Point Name: FUELFORCE LTD Easting: 435610 Northing: 395960	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 19/11/1996 Expiry Date: - Issue No: 101 Version Start Date: 04/12/2001 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	**3**

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 61 >**

ID	Location	Details	
D	799m SW	Status: Historical Licence No: 2/27/06/044 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: THORNCLIFFE ROW DAM Data Type: Point Name: SOUTH RIDING ESTATES LTD Easting: 435400 Northing: 396900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/07/1987 Version End Date: -

ID	Location	Details	
D	799m SW	Status: Historical Licence No: 2/27/06/044 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: THORNCLIFFE ROW DAM Data Type: Point Name: SOUTH RIDING ESTATES LTD Easting: 435400 Northing: 396900	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/07/1987 Version End Date: -
-	823m W	Status: Historical Licence No: 2/27/06/042 Details: General Use Relating To Secondary Category (Low Loss) Direct Source: SURFACE WATER Point: DEVIL'S BRIDGE POND - THORNCLIFFE Data Type: Point Name: SPIRE SHEFFIELD LTD Easting: 434600 Northing: 397900	Annual Volume (m^3): 18184 Max Daily Volume (m^3): 545.53 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 30/09/1999 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	**0**

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

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

5.9 Source Protection Zones

Records within 500m	**0**

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology

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 67 >**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	**On site**	**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
C	4m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	52m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	64m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	106m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	135m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	140m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	216m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	220m E	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	**7**

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 67 >**

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site	3

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 67 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Blackburn Brook from Source to River Don**	**GB104027057440**	**Don Middle**	**Don and Rother**
2	**On site**	**River**	**Knoll Beck from Source to River Dearne**	**GB104027057470**	**Dearne**	**Don and Rother**
B	**On site**	**River**	**Greasbrough Dike from Source to River Don**	**GB104027057420**	**Don Middle**	**Don and Rother**

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

6.4 WFD Surface water bodies

Records identified	3

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 67 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	698m SW	River	Blackburn Brook from Source to River Don	GB104027057440 ↗	Moderate	Fail	Moderate	2019
-	1247m E	River	Greasbrough Dike from Source to River Don	GB104027057420 ↗	Moderate	Fail	Moderate	2019

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	2973m NE	River	Knoll Beck from Source to River Dearne	GB104027057470 ↗	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 67 >**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
3	**On site**	**Don & Rother Millstone grit & Coal Measures**	**GB40402G992300 ↗**	**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

Site Outline

Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 30 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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 74 >**

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	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding

Site Outline

Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

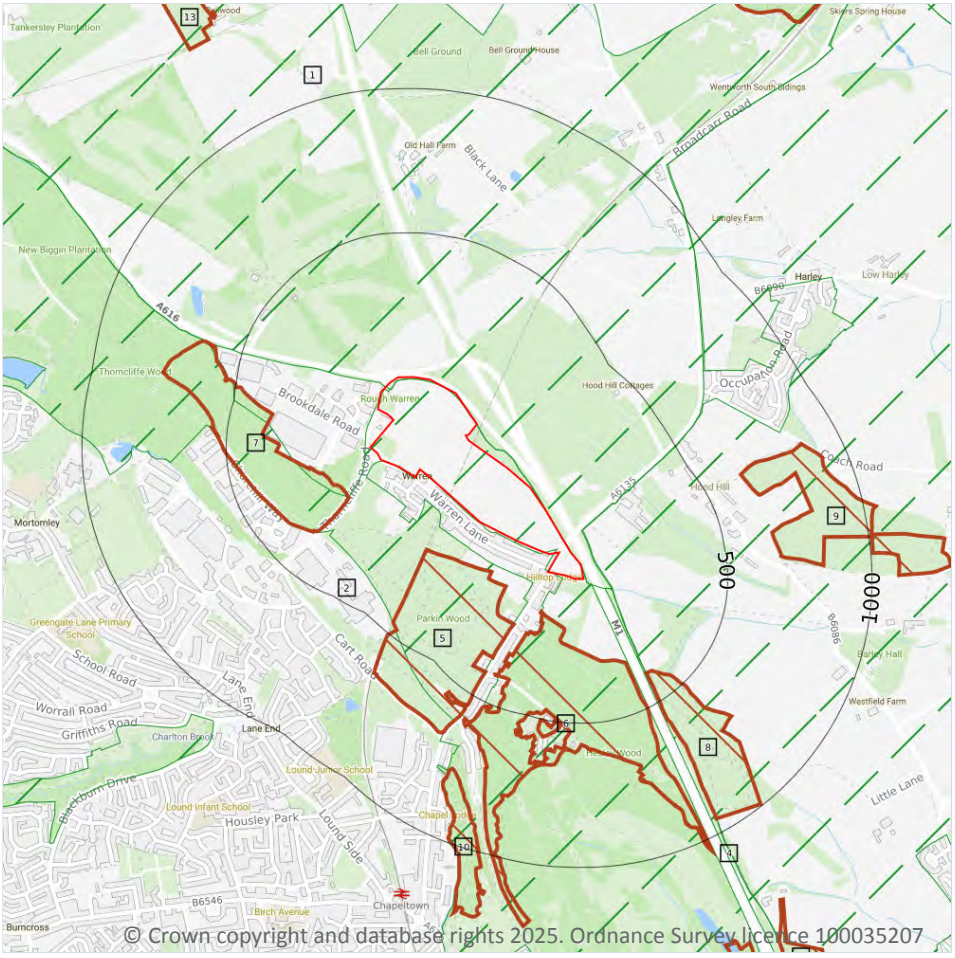
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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

Features are displayed on the Groundwater flooding map on **page 76 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 77 >**

ID	Location	Name	Data source
-	1972m NW	Potter Holes Plantation	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	16

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 77 >**

ID	Location	Name	Woodland Type
5	135m SW	Parkin Wood	Ancient & Semi-Natural Woodland
6	139m S	Parkin Wood	Ancient & Semi-Natural Woodland
7	166m SW	Thorncliffe Wood	Ancient & Semi-Natural Woodland
8	392m SE	Unknown	Ancient & Semi-Natural Woodland
9	636m NE	Barley Hole Springs E.	Ancient Replanted Woodland
10	757m SW	Parkin Wood	Ancient & Semi-Natural Woodland
12	1305m SE	Unknown	Ancient & Semi-Natural Woodland
13	1343m NW	Bull Wood	Ancient & Semi-Natural Woodland
14	1357m S	Unknown	Ancient & Semi-Natural Woodland
-	1508m SE	Unknown	Ancient & Semi-Natural Woodland
16	1662m NE	Skiers Spring Wood	Ancient & Semi-Natural Woodland
-	1695m W	West Wood	Ancient & Semi-Natural Woodland

ID	Location	Name	Woodland Type
-	1753m S	Unknown	Ancient & Semi-Natural Woodland
-	1766m S	Unknown	Ancient Replanted Woodland
-	1909m W	West Wood	Ancient & Semi-Natural Woodland
-	1994m SE	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	10

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

Features are displayed on the Environmental designations map on **page 77 >**

ID	Location	Name	Local Authority name
1	**On site**	**South and West Yorkshire Green Belt**	**Barnsley**
2	**On site**	**South and West Yorkshire Green Belt**	**Sheffield**
3	50m NE	South and West Yorkshire Green Belt	Rotherham
4	81m SE	South and West Yorkshire Green Belt	Sheffield
11	1076m SW	South and West Yorkshire Green Belt	Sheffield
-	1664m SE	South and West Yorkshire Green Belt	Sheffield
-	1695m SE	South and West Yorkshire Green Belt	Sheffield
-	1718m S	South and West Yorkshire Green Belt	Sheffield
-	1900m S	South and West Yorkshire Green Belt	Sheffield
-	1911m SE	South and West Yorkshire Green Belt	Sheffield

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

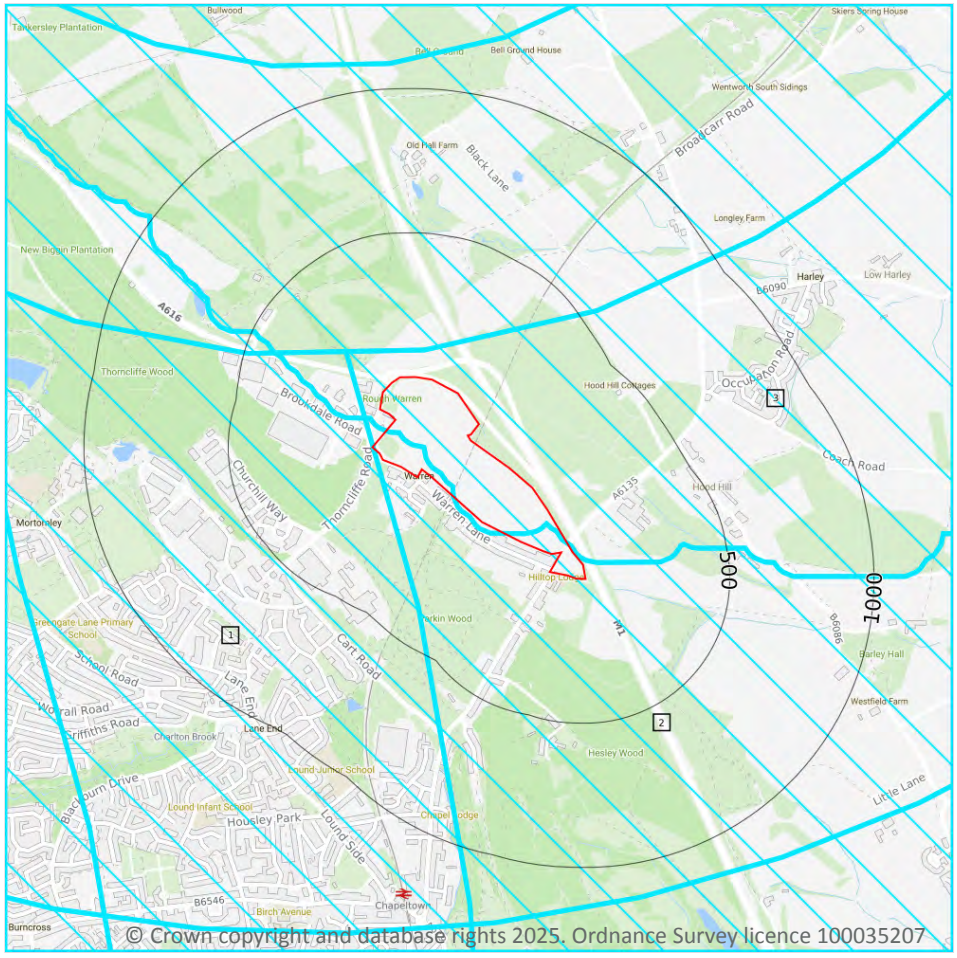
Records within 2000m	5

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

Location	Name	Type	NVZ ID	Status
On site	**Blackburn Brook from Source to River Don NVZ**	**Surface Water**	**261**	**Existing**
On site	**River Dearne NVZ**	**Surface Water**	**278**	**Existing**
1330m W	Blackburn Brook from Source to River Don NVZ	Surface Water	261	Existing
1411m S	Blackburn Brook from Source to River Don NVZ	Surface Water	261	Existing
1760m NW	River Dearne NVZ	Surface Water	278	Existing

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	3

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 83 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Minerals, Oil and Gas - Oil & gas exploration/extraction.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.**

ID	Location	Type of developments requiring consultation
2	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.**
3	**On site**	**Infrastructure - Airports, helipads and other aviation proposals.** **Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.** **Discharges - Any discharge of water or liquid waste of more than 20m³/day to ground (ie to seep away) or to surface water, such as a beck or stream.**

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.

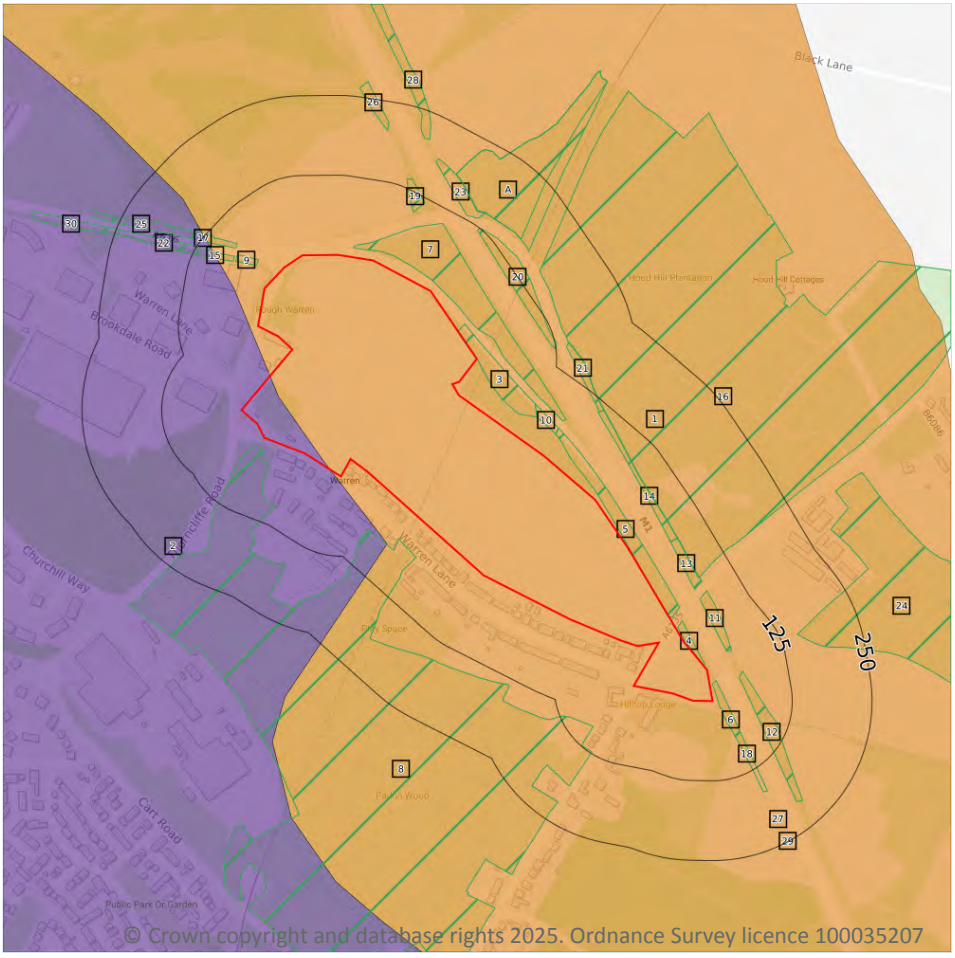
11.7 Registered Parks and Gardens

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

12.1 Agricultural Land Classification

Records within 250m	2

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 87 >**

ID	Location	Classification	Description
1	On site	Grade 3	**Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.**
2	On site	Urban	**Non-agricultural/no quality assigned**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	30

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.

Features are displayed on the Agricultural designations map on **page 87 >**

ID	Location	Description	Reference	Application date
3	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	**-**
4	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	**-**
5	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	**-**
6	4m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
7	14m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
8	18m SW	Selective Fell/Thin (Unconditional)	012/100/16-17	21/07/2017
9	34m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
10	39m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
11	42m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
12	48m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
13	57m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
14	62m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
15	65m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
16	71m NE	Selective Fell/Thin (Conditional)	012/22/18-19	-

ID	Location	Description	Reference	Application date
17	76m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
18	93m SE	Single Tree	018/366/15-16	-
19	96m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
20	109m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
21	110m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
22	119m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
23	131m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
A	145m NE	Selective Fell/Thin (Unconditional)	012/21/18-19	-
A	145m NE	Selective Fell/Thin (Unconditional)	012/083/12-13	-
24	152m E	Selective Fell/Thin (Conditional)	012/22/18-19	-
25	168m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
26	205m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
27	206m SE	Single Tree	018/366/15-16	-
28	208m NE	Selective Fell/Thin (Unconditional)	018/366/15-16	-
29	244m SE	Single Tree	018/366/15-16	-
30	244m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	**1**

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.

Location	Reference	Scheme	Start Date	End date
178m NE	AG00329213	Entry Level plus Higher Level Stewardship	01/07/2011	30/06/2023

This data is sourced from Natural England.

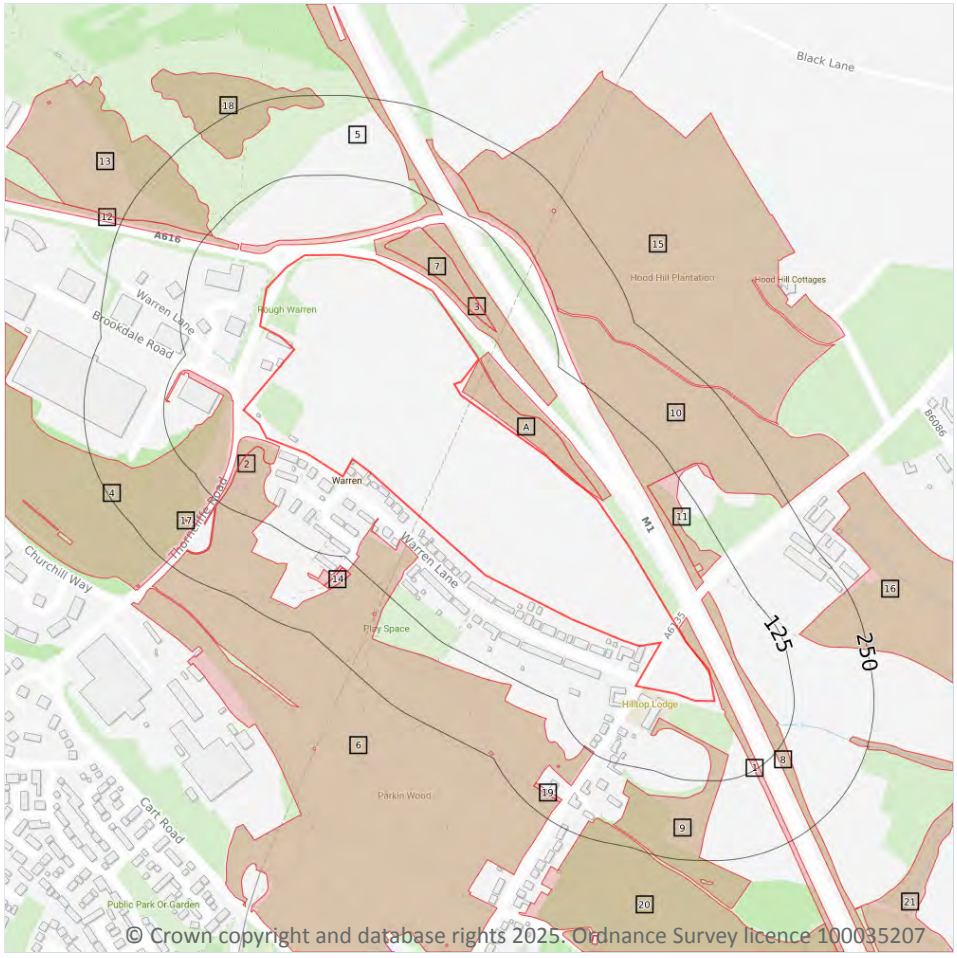
12.5 Countryside Stewardship Schemes

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	23

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 91 >**

ID	Location	Main Habitat	Other habitats
1	**On site**	**No main habitat but additional habitats present**	**Additional: DWOOD (INV 50%)**
A	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
A	3m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	5m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
3	10m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	16m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	17m N	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
6	18m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	21m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	39m NE	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
9	42m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	56m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	71m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	75m NW	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)
13	118m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	139m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	145m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	152m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	180m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	186m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	213m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	216m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	220m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	**0**

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

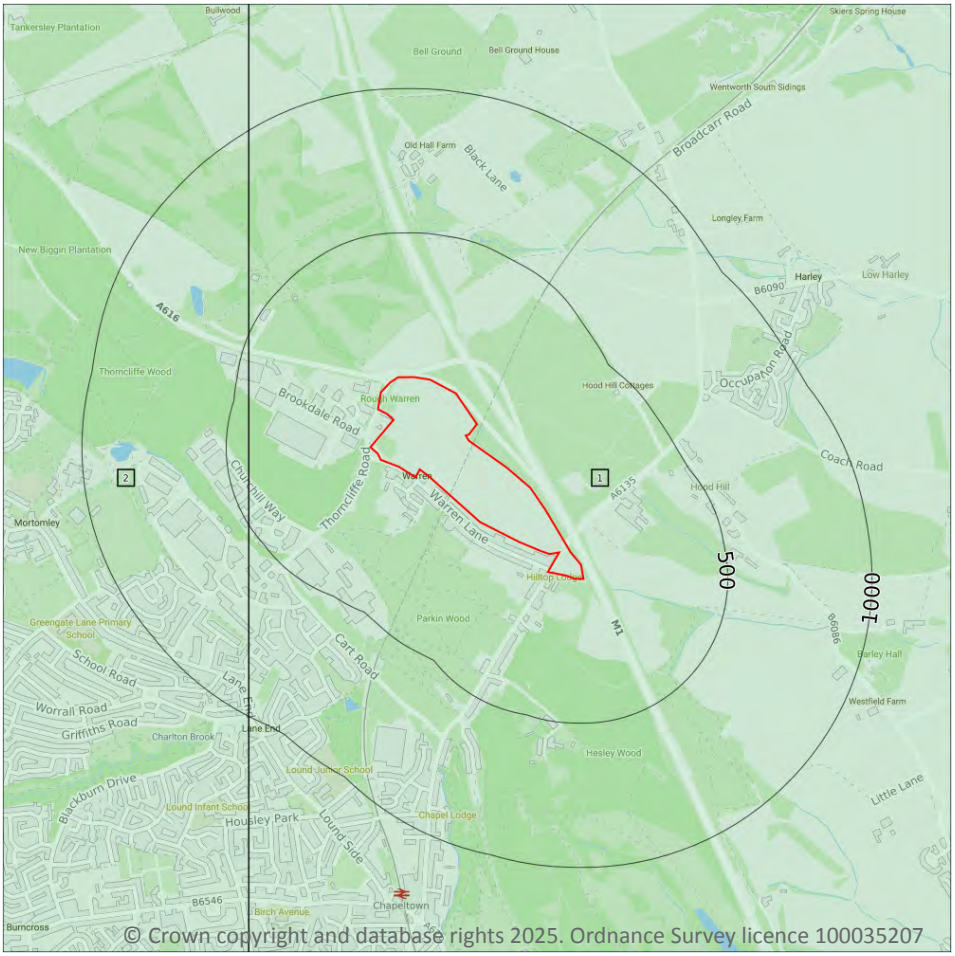
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	2

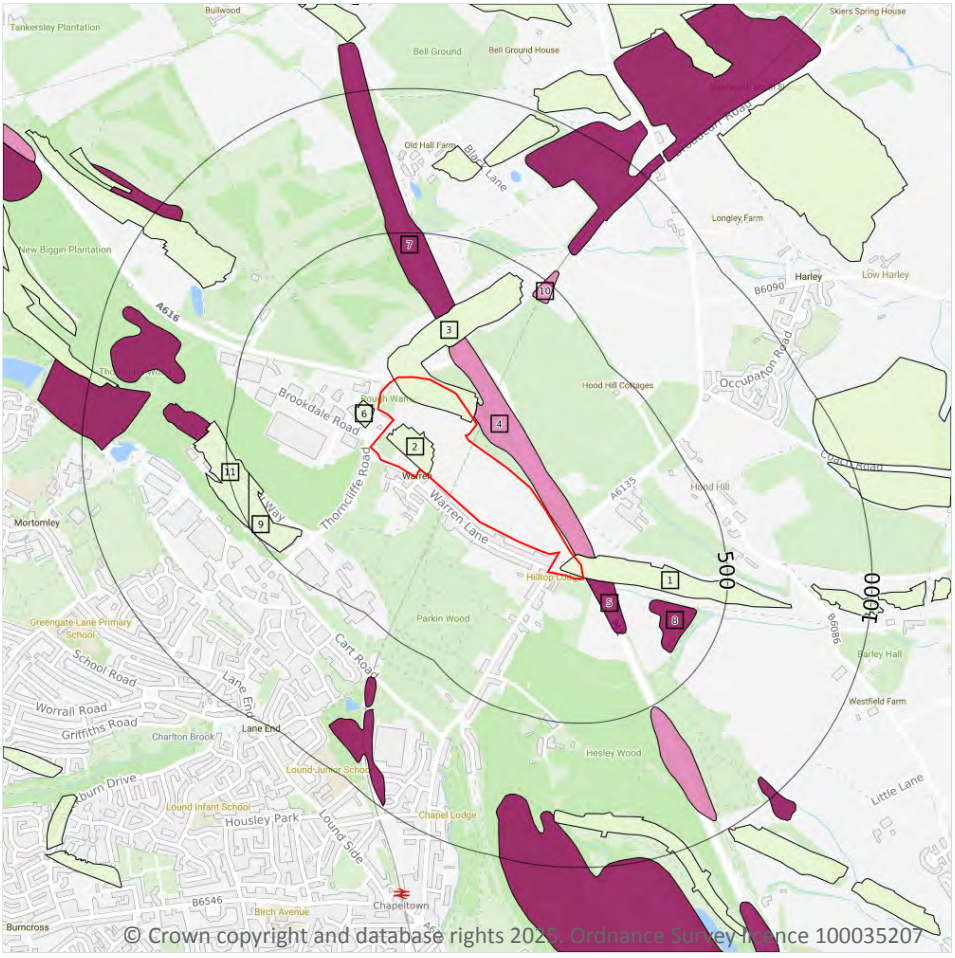
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 94 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SK39NE**
2	422m W	Full	Full	Full	No coverage	SK39NW

This data is sourced from the British Geological Survey.

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



14.2 Artificial and made ground (10k)

Records within 500m	11

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 95 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
2	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
3	**On site**	**WMGR-ARTDP**	**Infilled Ground**	**Artificial Deposit**
4	4m NE	WGR-VOID	Worked Ground (Undivided)	Void

ID	Location	LEX Code	Description	Rock description
5	8m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
6	13m W	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	211m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
8	245m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	368m SW	WMGR-ARTDP	Infilled Ground	Artificial Deposit
10	430m NE	WGR-VOID	Worked Ground (Undivided)	Void
11	431m W	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial

14.3 Superficial geology (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

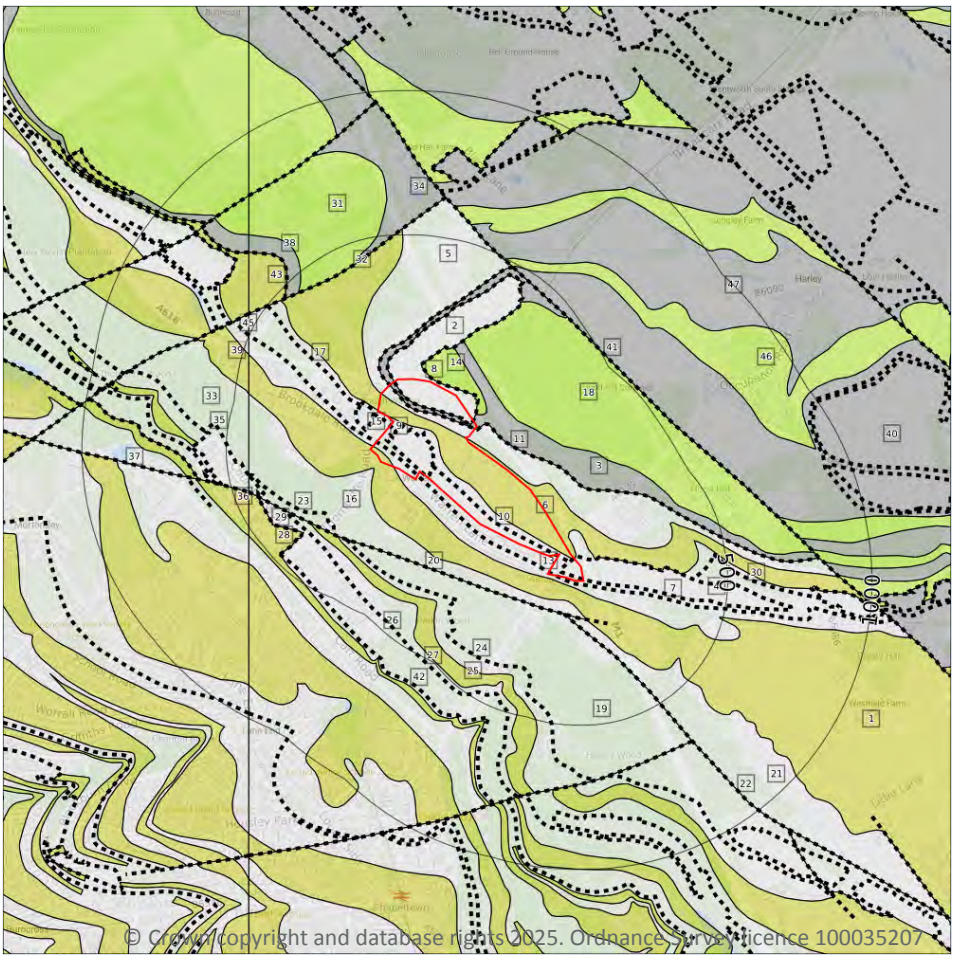
14.4 Landslip (10k)

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	25

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 98 >**

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
2	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
3	On site	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

ID	Location	LEX Code	Description	Rock age
4	**On site**	**PLCM-MDSS**	**Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Langsettian Sub-age**
5	**On site**	**PLCM-MDSS**	**Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone**	**Langsettian Sub-age**
6	**On site**	**PLCM-SDST**	**Pennine Lower Coal Measures Formation - Sandstone**	**Langsettian Sub-age**
14	12m NE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
16	34m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
18	116m NE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
19	118m S	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
21	121m S	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
25	298m SW	PKR-SDST	Parkgate Rock - Sandstone	Langsettian Sub-age
26	324m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
28	368m SW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
31	418m NW	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
33	422m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
34	427m N	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
36	447m W	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
38	449m NW	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
39	452m W	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
40	462m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
43	470m NW	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
45	478m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
46	486m NE	PMCM-SDST	Pennine Middle Coal Measures Formation - Sandstone	Bolsovian Sub-age - Duckmantian Sub-age
47	494m NE	PMCM-MDSS	Pennine Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovian Sub-age - Duckmantian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m **22**

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.

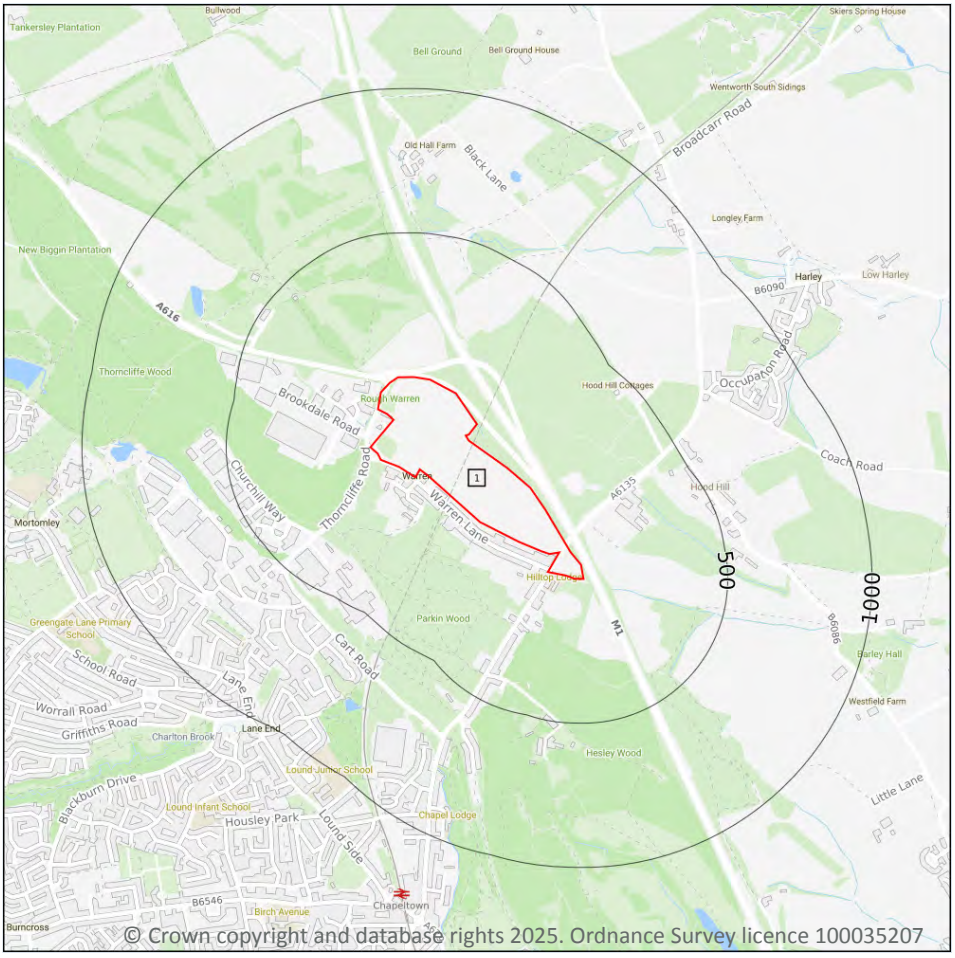
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 98 >**

ID	Location	Category	Description
7	**On site**	**ROCK**	**Coal seam, observed**
8	**On site**	**ROCK**	**Coal seam, observed**
9	**On site**	**ROCK**	**Coal seam, observed**
10	**On site**	**ROCK**	**Ironstone bed, inferred**
11	**On site**	**ROCK**	**Coal seam, inferred**
12	**On site**	**ROCK**	**Ironstone bed, inferred**
13	**On site**	**ROCK**	**Coal seam, inferred**
15	13m W	ROCK	Coal seam, observed
17	64m W	ROCK	Ironstone bed, inferred
20	118m S	FAULT	Normal fault, inferred
22	121m S	FAULT	Normal fault, inferred
23	262m SW	ROCK	Coal seam, inferred
24	271m SW	ROCK	Coal seam, inferred
27	350m SW	ROCK	Coal seam, inferred
29	368m SW	ROCK	Coal seam, observed
30	376m E	ROCK	Ironstone bed, inferred
32	418m NW	FAULT	Normal fault, inferred

ID	Location	Category	Description
35	431m W	ROCK	Coal seam, observed
37	447m W	FAULT	Normal fault, inferred
41	462m NE	FAULT	Normal fault, inferred
42	469m SW	ROCK	Coal seam, inferred
44	470m NW	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

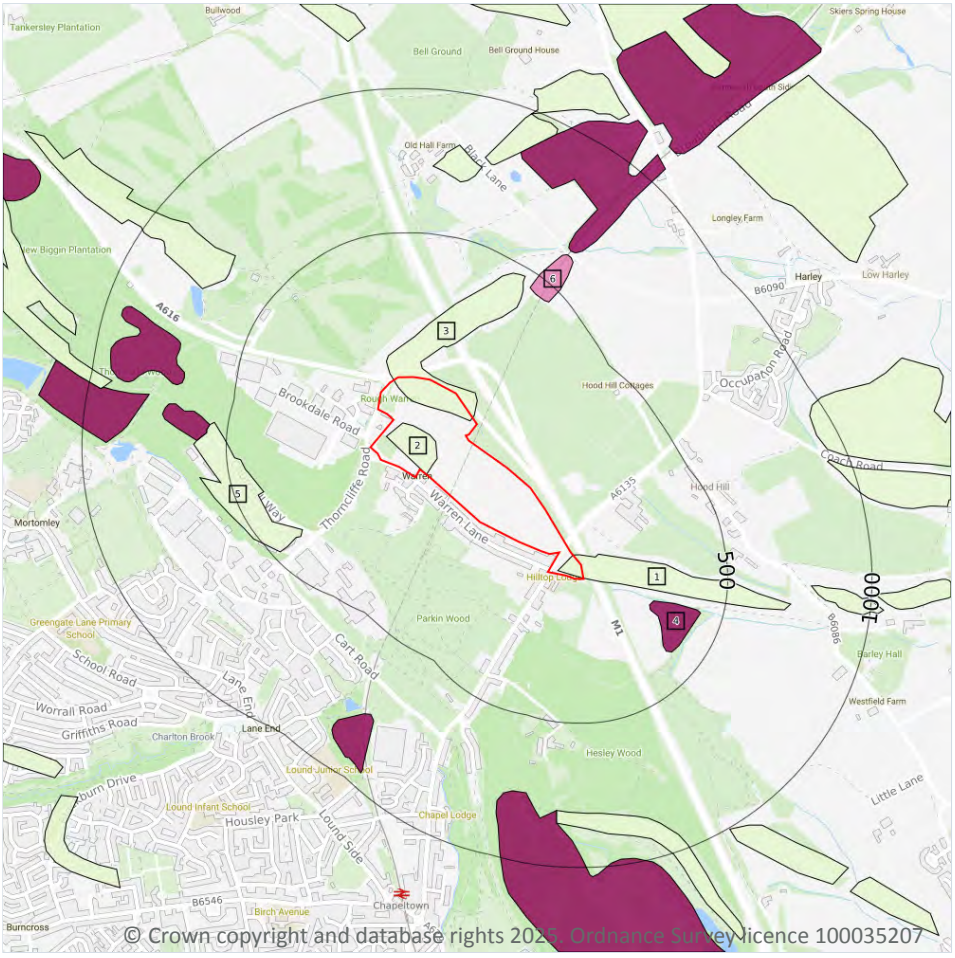
An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 102 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**No coverage**	**Full**	**Full**	**Full**	**EW087_barnsley_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	6

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 103 >**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**WMGR-ARTDP**	**INFILLED GROUND**	**ARTIFICIAL DEPOSIT**
2	**On site**	**WMGR-ARTDP**	**INFILLED GROUND**	**ARTIFICIAL DEPOSIT**
3	**On site**	**WMGR-ARTDP**	**INFILLED GROUND**	**ARTIFICIAL DEPOSIT**
4	246m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

ID	Location	LEX Code	Description	Rock description
5	364m SW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
6	441m NE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m	**1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Mixed**	**Very High**	**Low**

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial

15.4 Superficial geology (50k)

Records within 500m	0

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.

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

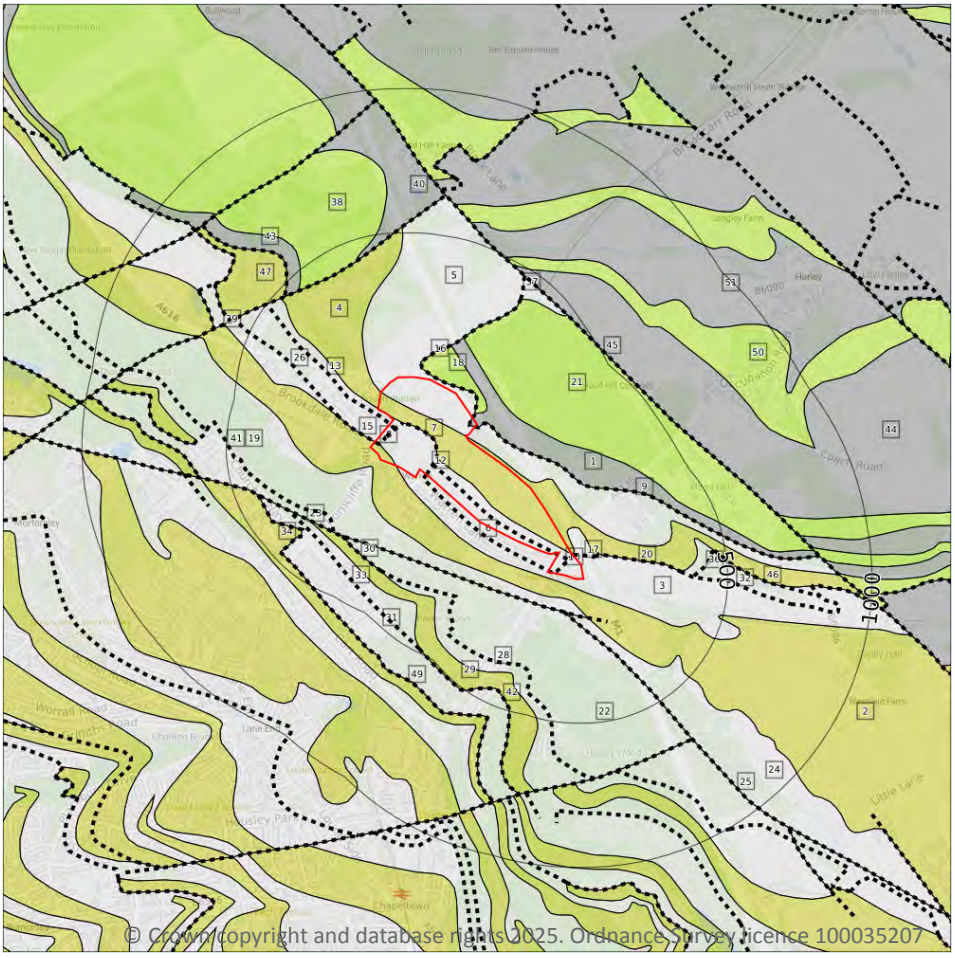
15.7 Landslip permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m	20

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 106 >**

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

ID	Location	LEX Code	Description	Rock age
3	**On site**	**PLCM-MDSS**	**PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
4	**On site**	**PLCM-SDST**	**PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE**	**WESTPHALIAN**
5	**On site**	**PLCM-MDSS**	**PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE**	**WESTPHALIAN**
18	14m NE	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
19	39m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
21	117m NE	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
22	118m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
24	121m S	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
29	295m SW	PKR-SDST	PARKGATE ROCK - SANDSTONE	WESTPHALIAN
31	322m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
34	364m SW	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
38	418m NW	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
40	426m N	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
43	449m NW	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
44	462m NE	PMCM-MDSS	PENNINE MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
47	470m NW	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
50	486m NE	PMCM-SDST	PENNINE MIDDLE COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
51	494m NE	PMCM-MDSS	PENNINE MIDDLE 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	5

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**
On site	**Fracture**	**Moderate**	**Low**
On site	**Fracture**	**High**	**Moderate**
14m NE	Fracture	High	Moderate
39m SW	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	31

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.

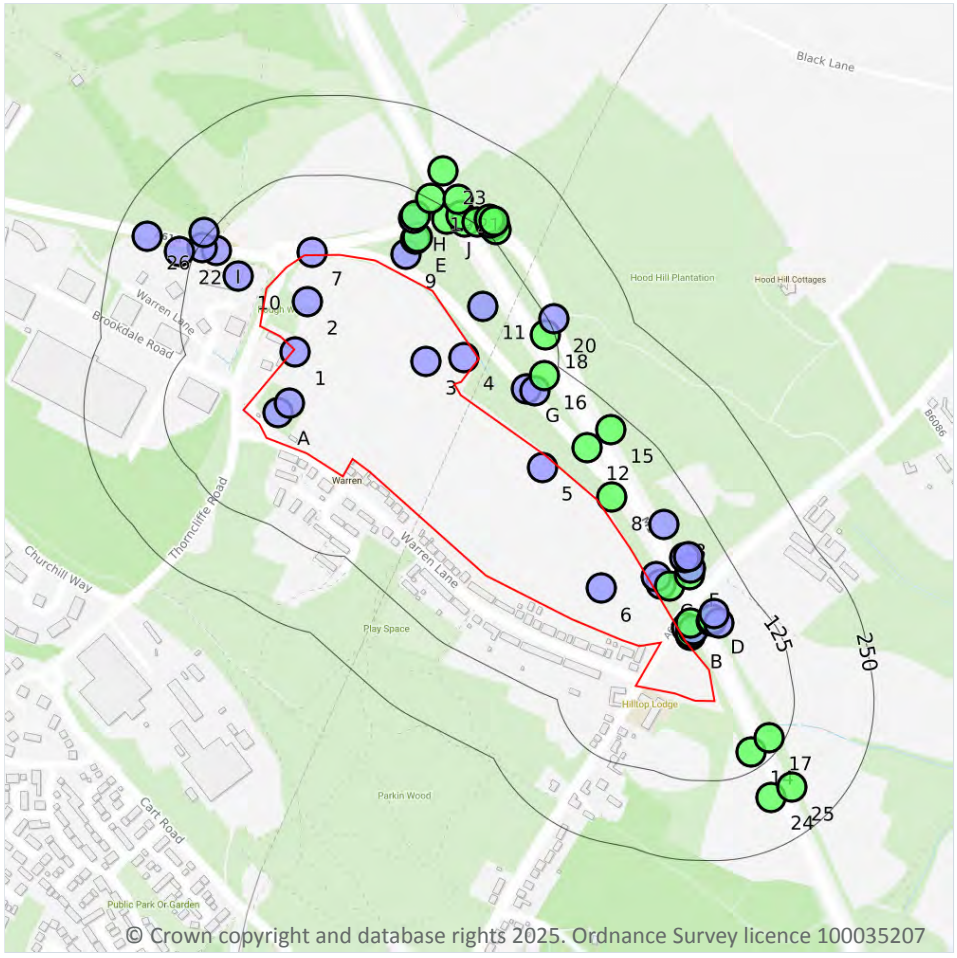
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 106 >**

ID	Location	Category	Description
6	**On site**	**ROCK**	**Coal seam, inferred**
7	**On site**	**ROCK**	**Coal seam, inferred**
8	**On site**	**ROCK**	**Coal seam, inferred**
9	**On site**	**ROCK**	**Coal seam, inferred**
10	**On site**	**ROCK**	**Coal seam, inferred**
11	**On site**	**ROCK**	**Coal seam, inferred**
12	**On site**	**ROCK**	**Coal seam, inferred**
13	**On site**	**ROCK**	**Ironstone bed, inferred**
14	**On site**	**ROCK**	**Ironstone bed, inferred**
15	**On site**	**ROCK**	**Coal seam, inferred**

ID	Location	Category	Description
16	**On site**	**ROCK**	**Coal seam, inferred**
17	**On site**	**ROCK**	**Coal seam, inferred**
20	56m NE	ROCK	Coal seam, inferred
23	118m S	FAULT	Fault, inferred
25	121m S	FAULT	Fault, inferred
26	138m W	ROCK	Coal seam, inferred
27	268m SW	ROCK	Coal seam, inferred
28	268m SW	ROCK	Coal seam, inferred
30	295m SW	ROCK	Coal seam, inferred
32	337m E	ROCK	Coal seam, inferred
33	349m SW	ROCK	Coal seam, inferred
35	364m SW	ROCK	Coal seam, inferred
36	378m E	ROCK	Ironstone bed, inferred
37	397m NE	ROCK	Coal seam, inferred
39	418m NW	FAULT	Fault, inferred
41	432m W	ROCK	Coal seam, inferred
42	443m SW	ROCK	Coal seam, inferred
45	462m NE	FAULT	Fault, inferred
46	463m E	ROCK	Ironstone bed, inferred
48	470m NW	ROCK	Coal seam, inferred
49	472m SW	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	62

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

Features are displayed on the Boreholes map on **page 110 >**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	435503 397940	A616 WORTLEY TO M1 TP735	3.6	N	215254 ↗
2	On site	435522 398019	A616 WORTLEY TO M1 TP729	4.0	N	215255 ↗
3	On site	435708 397926	A616 WORTLEY TO M1 TP746	3.6	N	215262 ↗

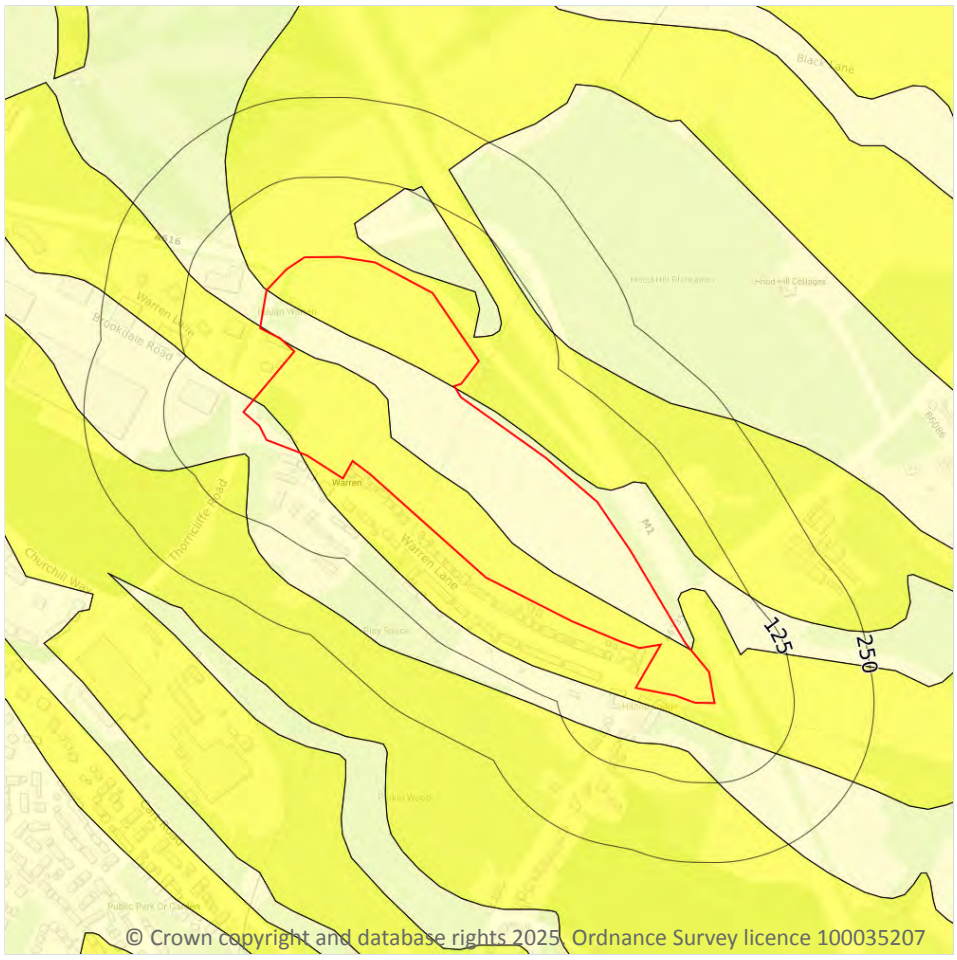
ID	Location	Grid reference	Name	Length	Confidential	Web link
4	**On site**	**435767 397932**	**A616 WORTLEY TO M1 BH647**	**5.6**	**N**	**215265**
5	**On site**	**435890 397760**	**A616 WORTLEY TO M1 BH648**	**8.5**	**N**	**215276**
6	**On site**	**435982 397570**	**A616 WORTLEY TO M1 TP733**	**3.2**	**N**	**215278**
A	**On site**	**435476 397846**	**A616 WORTLEY TO M1 TP736**	**3.8**	**N**	**215252**
A	**On site**	**435493 397860**	**A616 WORTLEY TO M1 BH649**	**7.3**	**N**	**215253**
7	4m N	435529 398096	A616 WORTLEY TO M1 TP728	4.0	N	215256
B	12m NE	436123 397496	M1 J32-35a Managed Motorway Additional GI. TP601	1.8	N	20763948
C	12m NE	436076 397576	M1 J32-35a Managed Motorway Additional GI. TP605	1.4	N	20763952
B	13m NE	436117 397508	M1 J32-35a Managed Motorway Additional GI. TP602	2.2	N	20763949
C	13m NE	436069 397589	M1 J32-35a Managed Motorway Additional GI. TP606	1.3	N	20763953
B	14m NE	436123 397501	M1 J32-35A MANAGED MOTORWAY R42	16.0	N	18950909
B	20m NE	436126 397506	M1 MOTORWAY JUNCTIONS 32-35A MMBH561	1.6	N	19441217
8	21m NE	435999 397713	M1 J32-35A MANAGED MOTORWAY R44	16.0	N	18950911
B	22m NE	436123 397516	M1 MOTORWAY JUNCTIONS 32-35A MMBH561A	12.0	N	19441218
C	22m NE	436089 397574	M1 MOTORWAY JUNCTIONS 32-35A MMBH563	15.0	N	19441220
9	30m NE	435676 398093	A616 WORTLEY TO M1 TP730	3.2	N	215257
10	49m NW	435413 398059	A616 WORTLEY TO M1 TP727	3.2	N	215251
D	51m NE	436155 397519	M1 MOTORWAY JUNCTIONS 32-35A MMBH562	13.0	N	19441219
11	52m NE	435797 398012	A616 WORTLEY TO M1 TP731	4.0	N	215268
12	52m NE	435960 397791	M1 J32-35A MANAGED MOTORWAY R45	16.0	N	18950912
D	54m NE	436157 397522	M1 J32-35A MANAGED MOTORWAY R43	19.0	N	18950910

ID	Location	Grid reference	Name	Length	Confidential	Web link
D	59m NE	436167 397516	M1 J32-35a Managed Motorway Additional GI. TP603	2.6	N	20763950 ↗
E	59m NE	435692 398117	A616 WORTLEY TO M1 TP741	2.0	N	215260 ↗
F	59m NE	436121 397592	M1 MOTORWAY JUNCTIONS 32-35A MMBH564	15.3	N	19441221 ↗
D	61m NE	436160 397530	M1 J32-35a Managed Motorway Additional GI. TP604	1.7	N	20763951 ↗
E	63m NE	435694 398120	A616 WORTLEY TO M1 BH644	15.16	N	215261 ↗
13	64m NE	436080 397670	CELL SITE 1991A HOOD HILL SHEFFIELD BH1	4.3	N	215482 ↗
F	65m NE	436122 397602	M1 J32-35a Managed Motorway Additional GI. TP607	0.8	N	20763954 ↗
F	66m NE	436114 397618	M1 J32-35a Managed Motorway Additional GI. TP608	1.1	N	20763955 ↗
G	68m NE	435865 397883	A616 WORTLEY TO M1 TP732	3.2	N	215274 ↗
F	73m NE	436120 397620	SOUTH YORKSHIRE COA NMCS2 UPGRADE WSCC13	1.3	N	18913530 ↗
G	73m NE	435878 397880	A616 WORTLEY TO M1 TP742	4.0	N	215275 ↗
H	86m NE	435688 398150	A616 WORTLEY TO M1 TP740	2.0	N	215258 ↗
H	92m NE	435692 398154	A616 WORTLEY TO M1 BH643	20.18	N	215259 ↗
14	98m SE	436217 397314	M1 J32-35A MANAGED MOTORWAY R40	19.0	N	18950908 ↗
15	98m NE	435998 397819	M1 J32-35A MANAGED MOTORWAY R46	18.4	N	18950913 ↗
I	98m NW	435379 398099	A616 WORTLEY TO M1 TP726	2.4	N	215250 ↗
16	100m NE	435893 397903	SOUTH YORKSHIRE COA NMCS2 UPGRADE M20	12.0	N	18913521 ↗
17	103m SE	436246 397336	M1 J32-35A MANAGED MOTORWAY WS58/R41	24.0	N	18950914 ↗
J	110m NE	435741 398149	A616 WORTLEY TO M1 BH650	20.16	N	215263 ↗
18	111m E	435895 397967	SOUTH YORKSHIRE COA NMCS2 UPGRADE M45	12.3	N	18913523 ↗
J	119m NE	435768 398144	A616 WORTLEY TO M1 BH652	20.0	N	215266 ↗
I	119m NW	435357 398104	A616 WORTLEY TO M1 TP743	2.9	N	215249 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
J	125m NE	435762 398154	A616 WORTLEY TO M1 BH651	20.37	N	215264 ↗
19	127m NE	435715 398182	M1 J32-35A MANAGED MOTORWAY WS58/R47	17.2	N	18950926 ↗
J	129m NE	435788 398144	A616 WORTLEY TO M1 BH653	20.0	N	215267 ↗
I	131m NW	435360 398128	A616 WORTLEY TO M1 BH642	8.05	N	215248 ↗
20	133m NE	435908 397992	A616 WORTLEY TO M1 TP734	1.9	N	215277 ↗
J	139m NE	435812 398138	A616 WORTLEY TO M1 BH656	16.85	N	215271 ↗
J	139m NE	435818 398133	A616 WORTLEY TO M1 BH646	20.0	N	215273 ↗
J	140m NE	435809 398143	A616 WORTLEY TO M1 BH645	20.0	N	215270 ↗
J	144m NE	435807 398149	A616 WORTLEY TO M1 BH657	17.22	N	215269 ↗
21	146m NE	435758 398180	M1 MOTORWAY JUNCTIONS 32-35A MMBH565	30.0	N	19441222 ↗
J	146m NE	435814 398146	A616 WORTLEY TO M1 BH658	16.97	N	215272 ↗
22	149m NW	435321 398098	A616 WORTLEY TO M1 BH641	8.0	N	215247 ↗
23	174m NE	435735 398224	M1 J32-35A MANAGED MOTORWAY WS60/R48	15.0	N	18950928 ↗
24	175m SE	436249 397243	M1 MOTORWAY JUNCTIONS 32-35A MMBH560	14.0	N	19440526 ↗
25	182m SE	436281 397258	M1 MOTORWAY JUNCTIONS 32-35A MMBH559	16.0	N	19440525 ↗
26	204m NW	435271 398122	A616 WORTLEY TO M1 TP725	3.8	N	215246 ↗

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	3

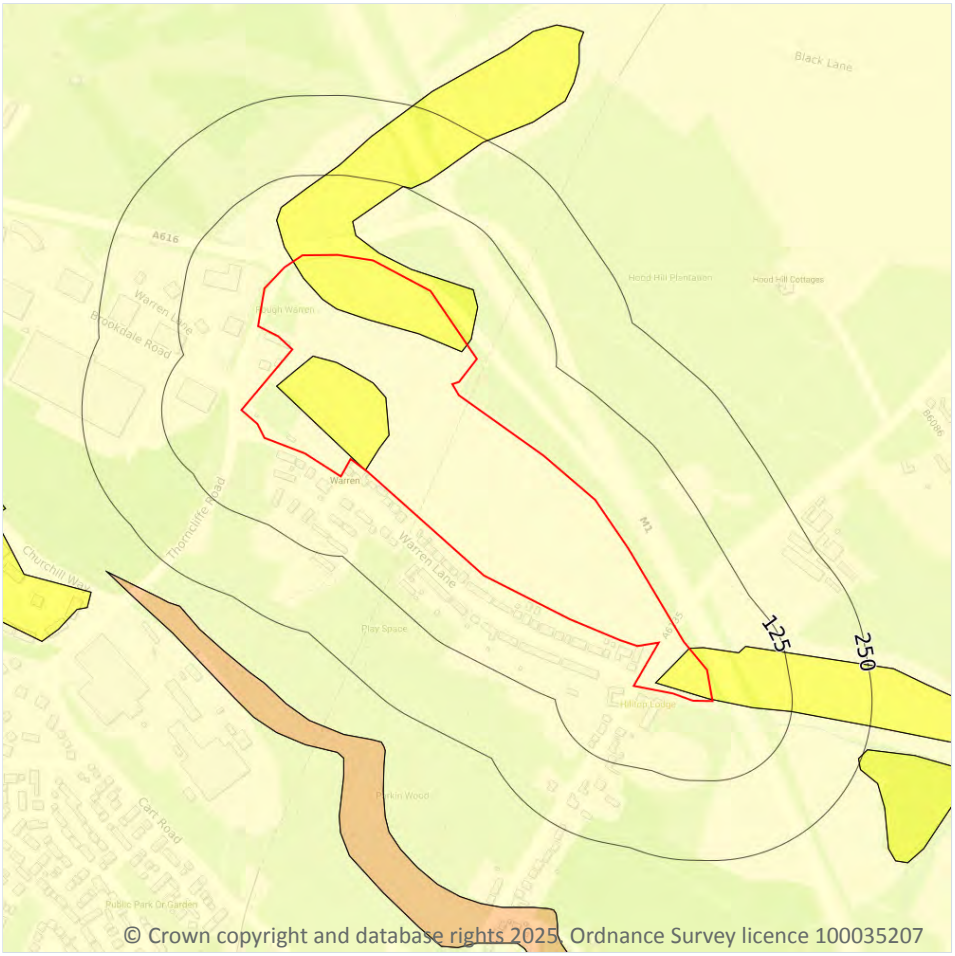
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 114 >**

Location	Hazard rating	Details
On site	**Negligible**	**Ground conditions predominantly non-plastic.**
On site	**Very low**	**Ground conditions predominantly low plasticity.**
14m NE	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	2

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

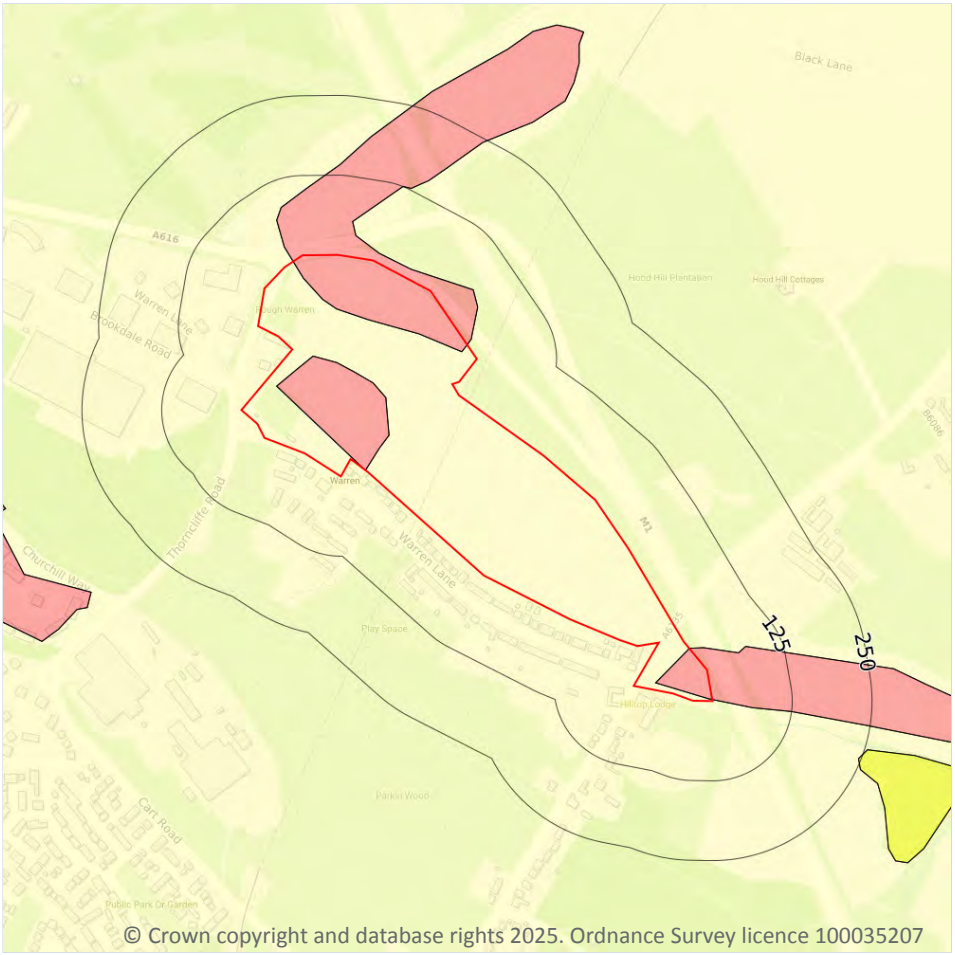
Features are displayed on the Natural ground subsidence - Running sands map on **page 116 >**

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

Location	Hazard rating	Details
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	2

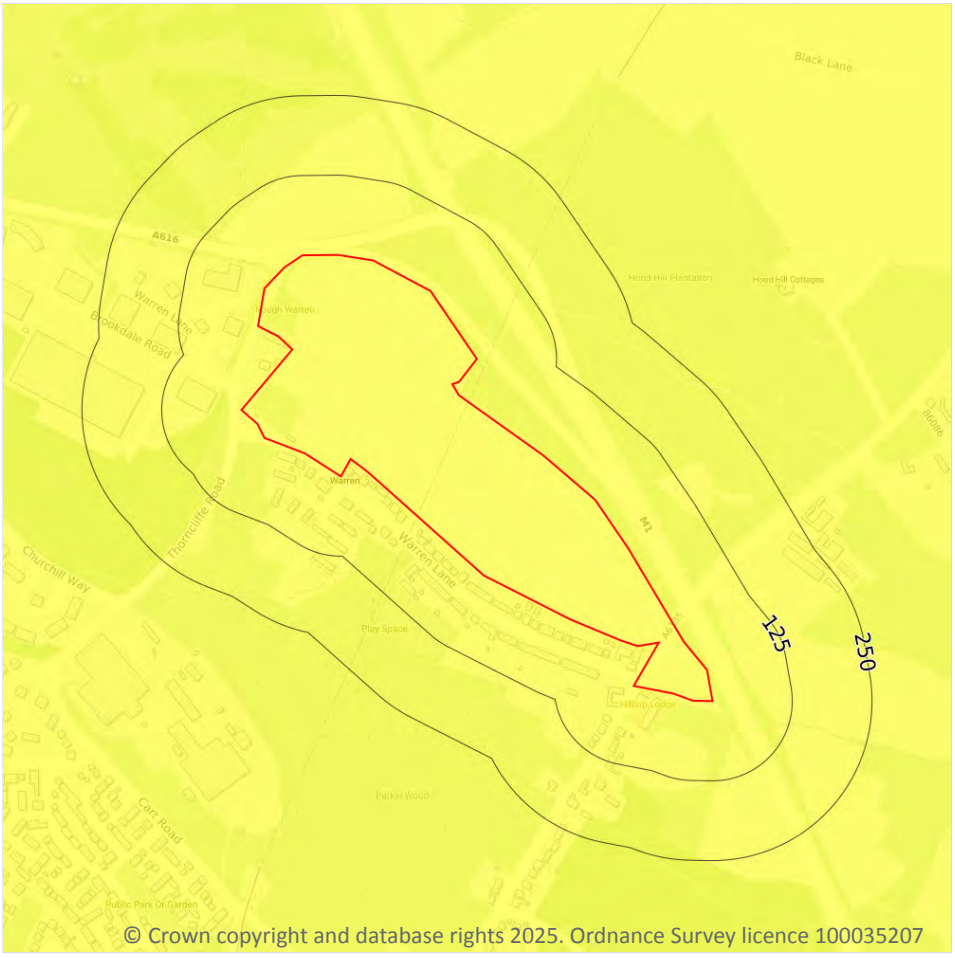
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 118 >**

Location	Hazard rating	Details
On site	**Negligible**	**Compressible strata are not thought to occur.**
On site	**Moderate**	**Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.**

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

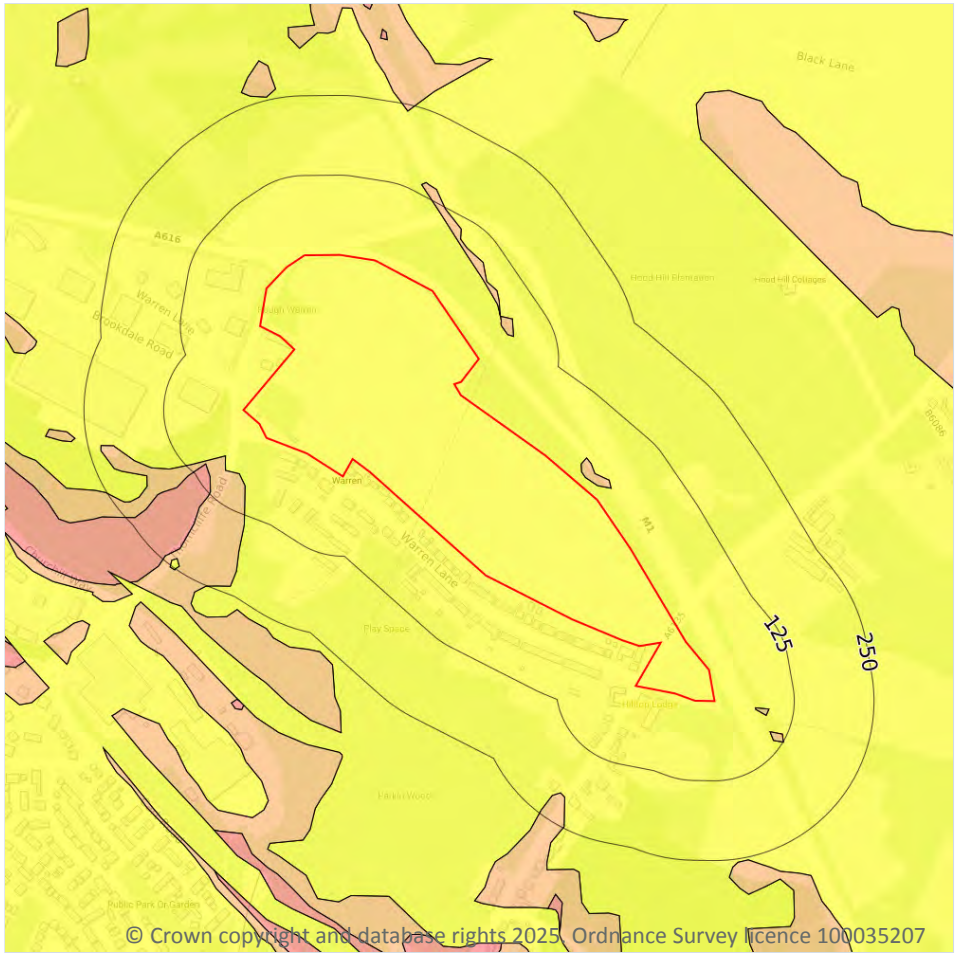
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 120 >**

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	2

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 121 >**

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.**

Location	Hazard rating	Details
15m NE	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

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

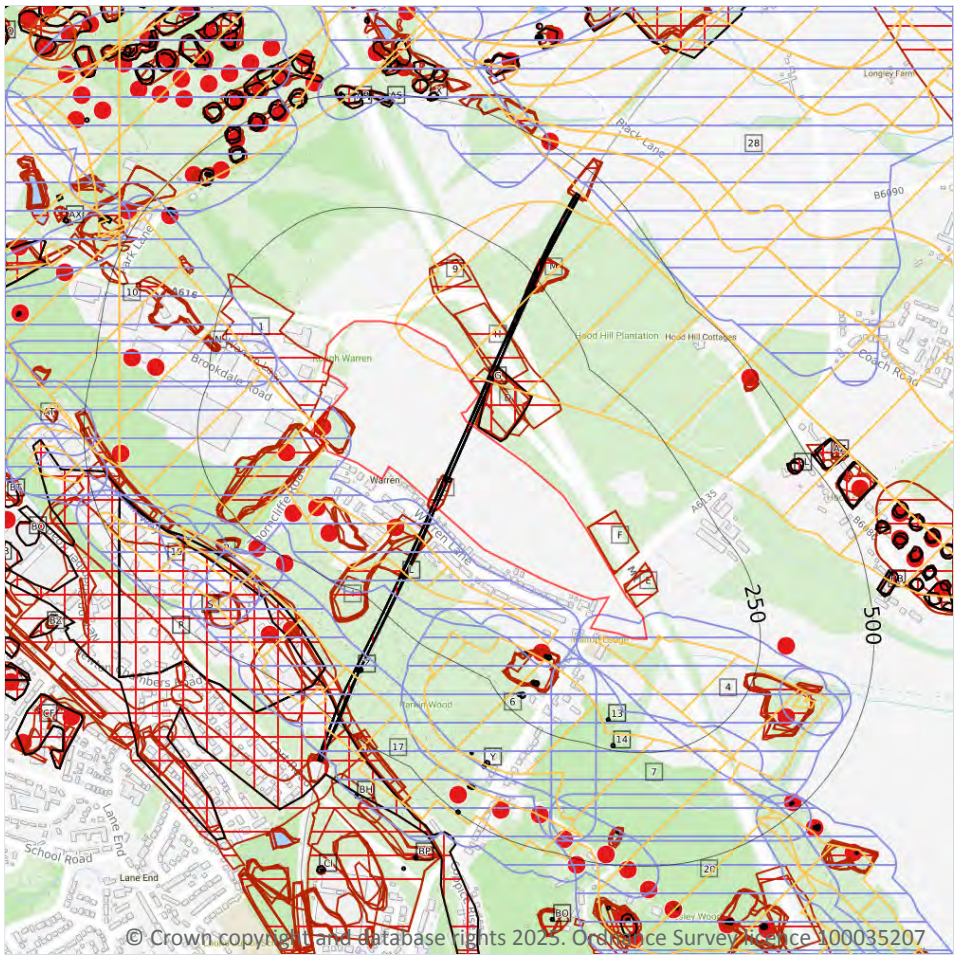
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 123 >**

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	32

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

Features are displayed on the Mining and ground workings map on **page 125 >**

ID	Location	Details	Description
A	**On site**	**Name: Cupola Pit** **Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire** **Commodity: Coal, Deep** **Status: Ceased**	**Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.**
B	71m SW	Name: Warren Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
8	93m SW	Name: Warren Lane Ironstone Pit Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
K	121m SW	Name: Norfolk Arms Ironstone Pits Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
11	124m S	Name: Busk Spring Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
12	155m SW	Name: Busk Spring Ironstone Pits Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
J	163m SW	Name: Busk Spring Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
15	264m SW	Name: Busk Spring Ironstone Pits Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
16	265m S	Name: Busk Spring Ironstone Pits Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
18	306m E	Name: Hood Hill OCCS Address: Wentworth, RAWMARSH, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
O	352m SE	Name: White Lane Address: Hood Hill, HOYLAND, South Yorkshire Commodity: Sandstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
21	367m W	Name: Thornhill Wood Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
O	373m E	Name: Old Haggs Pit Address: Hood Hill, HOYLAND, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AC	387m SW	Name: Norfolk Colliery Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
22	422m W	Name: Thorncliffe Wood Ironstone Pit Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
AC	422m SW	Name: Thorncliffe Colliery Address: Warren, Chapeltown, SHEFFIELD, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
V	422m W	Name: Furnace Hill Address: SHEFFIELD, South Yorkshire Commodity: Coal, Surface Mined Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
24	425m S	Name: Parkin Wood Ironstone Pits Address: Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
AF	442m NW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AK	446m SW	Name: Parkin Wood Ironstone Pits Address: Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AF	447m NW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
AJ	448m NW	Name: Park Gate Colliery Address: Tankersley, HOYLAND, South Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
27	467m S	Name: Parkin Wood Ironstone Pits Address: Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AG	469m SW	Name: Parkin Wood Ironstone Pits Address: Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
AF	471m NW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AD	478m S	Name: Parkin Wood Ironstone Pits Address: Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AF	478m NW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
AK	478m SW	Name: Parkin Wood Ironstone Pits Address: Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AQ	482m NW	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AV	483m SE	Name: Old Hagg Ironstone Pits Address: Chapeltown, SHEFFIELD, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

ID	Location	Details	Description
AQ	485m N	Name: Tankersley Park Ironstone Pits Address: Tankersley, HOYLAND, South Yorkshire Commodity: Ironstone Status: Ceased	Type: Working is wholly underground, access by shaft, adit, drift or incline. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun' Ee' - Scots). May also be locally termed `Quarry' or `Underground Quarry' when referring to sites extracting building stone (e.g. in Dorset and Wiltshire). The location given is that of the mine entrance and may be approximate for older sites shown on contemporaneous mapping by the Geological Survey used as the source document. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
AO	486m NE	Name: Hood Hill Address: Hood Hill, HOYLAND, South Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m	**67**

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 125 >**

ID	Location	Land Use	Year of mapping	Mapping scale
1	**On site**	**Opencast Mining**	**1956**	**1:10560**
A	**On site**	**Unspecified Heap**	**1956**	**1:10560**
A	**On site**	**Unspecified Heap**	**1938**	**1:10560**
A	**On site**	**Refuse Heaps**	**1903**	**1:10560**
A	**On site**	**Refuse Heaps**	**1894**	**1:10560**
B	**On site**	**Unspecified Heaps**	**1948**	**1:10560**

ID	Location	Land Use	Year of mapping	Mapping scale
B	**On site**	**Unspecified Quarry**	**1938**	**1:10560**
B	**On site**	**Unspecified Quarry**	**1903**	**1:10560**
B	**On site**	**Unspecified Heaps**	**1948**	**1:10560**
B	**On site**	**Unspecified Heap**	**1956**	**1:10560**
C	**On site**	**Unspecified Heap**	**1948**	**1:10560**
C	**On site**	**Unspecified Heap**	**1948**	**1:10560**
C	**On site**	**Unspecified Heap**	**1956**	**1:10560**
D	2m NE	Cuttings	1991	1:10000
E	3m NE	Cuttings	1980	1:10000
B	3m SW	Unspecified Heap	1894	1:10560
F	3m NE	Cuttings	1991	1:10000
F	3m NE	Cuttings	1980	1:10000
D	4m NE	Unspecified Heap	1938	1:10560
D	4m NE	Unspecified Heap	1903	1:10560
E	5m NE	Cuttings	1991	1:10000
D	5m NE	Unspecified Heap	1948	1:10560
D	5m NE	Unspecified Heap	1948	1:10560
D	6m NE	Delf	1956	1:10560
D	6m NE	Unspecified Heap	1965	1:10560
B	23m SW	Unspecified Heap	1965	1:10560
H	49m NE	Cuttings	1980	1:10000
I	52m SW	Unspecified Heap	1894	1:10560
H	57m NE	Cuttings	1991	1:10000
I	68m SW	Unspecified Heaps	1956	1:10560
I	71m SW	Unspecified Heaps	1948	1:10560
I	71m SW	Unspecified Heaps	1948	1:10560
I	81m SW	Unspecified Heap	1938	1:10560
J	93m S	Unspecified Quarry	1894	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
K	93m SW	Unspecified Heap	1948	1:10560
K	93m SW	Unspecified Heap	1948	1:10560
K	93m SW	Unspecified Heap	1956	1:10560
K	95m SW	Unspecified Heap	1938	1:10560
K	95m SW	Unspecified Heap	1903	1:10560
9	99m NE	Cuttings	1991	1:10000
J	102m SW	Unspecified Quarry	1948	1:10560
J	103m SW	Unspecified Quarry	1956	1:10560
J	104m SW	Unspecified Quarry	1903	1:10560
K	106m SW	Unspecified Heap	1894	1:10560
K	117m SW	Unspecified Heap	1965	1:10560
I	123m SW	Unspecified Heap	1903	1:10560
B	132m SW	Unspecified Quarry	1956	1:10560
M	215m NE	Unspecified Heap	1948	1:10560
M	215m NE	Unspecified Heap	1948	1:10560
I	226m SW	Unspecified Heap	1965	1:10560
M	230m NE	Unspecified Heap	1965	1:10560
M	230m NE	Unspecified Heap	1956	1:10560
M	230m NE	Unspecified Heap	1938	1:10560
M	230m NE	Unspecified Heap	1903	1:10560
N	233m W	Pond	1938	1:10560
N	233m W	Pond	1903	1:10560
N	233m W	Pond	1894	1:10560
N	233m W	Pond	1965	1:10560
N	233m W	Pond	1956	1:10560
O	233m E	Unspecified Heap	1965	1:10560
O	233m E	Unspecified Heap	1956	1:10560
O	234m E	Unspecified Heap	1948	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
O	234m E	Unspecified Heap	1948	1:10560
O	234m E	Unspecified Heap	1938	1:10560
O	234m E	Refuse Heap	1903	1:10560
O	234m E	Refuse Heap	1894	1:10560
N	235m W	Pond	1948	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	**426**

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 125 >**

ID	Location	Land Use	Year of mapping	Mapping scale
C	**On site**	**Tunnel**	**1991**	**1:10000**
C	**On site**	**Air Shaft**	**1991**	**1:10000**
C	**On site**	**Tunnel**	**1980**	**1:10000**
C	**On site**	**Air Shaft**	**1980**	**1:10000**
C	**On site**	**Air Shaft**	**1965**	**1:10560**
C	**On site**	**Tunnel**	**1965**	**1:10560**
C	**On site**	**Air Shaft**	**1956**	**1:10560**
C	**On site**	**Tunnel**	**1956**	**1:10560**
C	**On site**	**Tunnel**	**1938**	**1:10560**
C	**On site**	**Air Shaft**	**1938**	**1:10560**
C	**On site**	**Tunnel**	**1903**	**1:10560**
C	**On site**	**Air Shaft**	**1903**	**1:10560**
D	6m NE	Delf	1956	1:10560
G	36m NE	Air Shaft	1980	1:10000
G	38m NE	Air Shaft	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
G	38m NE	Air Shaft	1903	1:10560
G	39m NE	Air Shaft	1965	1:10560
G	39m NE	Air Shaft	1956	1:10560
K	107m SW	Unspecified Shaft	1991	1:10000
K	107m SW	Unspecified Shaft	1980	1:10000
K	108m SW	Unspecified Disused Shaft	1965	1:10560
K	112m SW	Unspecified Shafts	1956	1:10560
K	112m SW	Unspecified Shafts	1938	1:10560
K	112m SW	Unspecified Shafts	1903	1:10560
K	150m W	Unspecified Shafts	1903	1:10560
L	153m SW	Air Shaft	1991	1:10000
L	153m SW	Air Shaft	1980	1:10000
L	158m SW	Air Shaft	1965	1:10560
L	158m SW	Air Shaft	1956	1:10560
L	159m SW	Air Shaft	1938	1:10560
L	159m SW	Air Shaft	1903	1:10560
K	165m SW	Unspecified Disused Shaft	1991	1:10000
K	165m SW	Unspecified Disused Shaft	1980	1:10000
K	167m SW	Unspecified Disused Shafts	1965	1:10560
K	170m SW	Unspecified Shafts	1938	1:10560
K	170m SW	Unspecified Shafts	1903	1:10560
K	171m SW	Unspecified Shafts	1956	1:10560
13	183m S	Unspecified Shafts	1903	1:10560
K	205m SW	Unspecified Disused Shaft	1991	1:10000
K	205m SW	Unspecified Disused Shaft	1980	1:10000
K	206m SW	Unspecified Disused Shafts	1965	1:10560
K	211m SW	Unspecified Shafts	1956	1:10560
K	211m SW	Unspecified Shafts	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
K	211m SW	Unspecified Shafts	1903	1:10560
M	220m NE	Air Shaft	1938	1:10560
M	220m NE	Air Shaft	1903	1:10560
M	221m NE	Air Shaft	1956	1:10560
M	226m NE	Air Shaft	1965	1:10560
M	226m NE	Air Shaft	1991	1:10000
M	226m NE	Air Shaft	1980	1:10000
14	235m S	Unspecified Shafts	1903	1:10560
S	323m SW	Colliery	1965	1:10560
S	323m SW	Colliery	1956	1:10560
R	344m SW	Colliery	1938	1:10560
Y	369m SW	Unspecified Disused Shaft	1965	1:10560
Z	374m SW	Air Shaft	1991	1:10000
Z	375m SW	Air Shaft	1980	1:10000
Y	375m SW	Unspecified Shafts	1956	1:10560
Z	376m SW	Air Shaft	1965	1:10560
Y	377m SW	Unspecified Shafts	1956	1:10560
Y	380m SW	Unspecified Shafts	1938	1:10560
Y	380m SW	Unspecified Shafts	1903	1:10560
Z	380m SW	Air Shaft	1956	1:10560
Z	380m SW	Air Shaft	1938	1:10560
AD	426m S	Unspecified Old Shaft	1903	1:10560
AF	430m NW	Old Ironstone Pits	1938	1:10560
AF	430m NW	Old Ironstone Pits	1903	1:10560
AG	431m SW	Unspecified Disused Shaft	1965	1:10560
AF	432m NW	Old Ironstone Pits	1938	1:10560
AG	434m SW	Unspecified Shafts	1903	1:10560
AG	435m SW	Unspecified Shafts	1956	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AG	436m SW	Unspecified Shafts	1938	1:10560
AF	436m NW	Old Ironstone Pits	1956	1:10560
AJ	443m NW	Unspecified Shaft	1991	1:10000
AJ	443m NW	Unspecified Shaft	1980	1:10000
AJ	443m NW	Unspecified Shaft	1965	1:10560
AF	445m NW	Unspecified Disused Shaft	1991	1:10000
AF	445m NW	Unspecified Disused Shaft	1980	1:10000
AF	445m NW	Unspecified Disused Shaft	1965	1:10560
AJ	447m NW	Unspecified Shaft	1938	1:10560
AJ	447m NW	Unspecified Shaft	1903	1:10560
AF	449m NW	Unspecified Old Shaft	1956	1:10560
AL	450m NE	Old Ironstone Pits	1938	1:10560
AL	450m NE	Old Ironstone Pits	1903	1:10560
AF	451m NW	Unspecified Old Shaft	1938	1:10560
AF	451m NW	Unspecified Old Shaft	1903	1:10560
AJ	452m NW	Unspecified Shaft	1956	1:10560
AL	456m NE	Old Ironstone Pits	1956	1:10560
AP	469m N	Old Ironstone Pits	1903	1:10560
AQ	471m NW	Old Ironstone Pits	1938	1:10560
AQ	471m NW	Old Ironstone Pits	1903	1:10560
AF	471m NW	Old Ironstone Pits	1938	1:10560
AF	471m NW	Old Ironstone Pits	1903	1:10560
AS	472m N	Old Ironstone Pits	1903	1:10560
AQ	475m NW	Old Ironstone Pits	1956	1:10560
AQ	475m N	Old Ironstone Pits	1938	1:10560
AQ	475m N	Old Ironstone Pits	1903	1:10560
AF	478m NW	Old Ironstone Pits	1956	1:10560
AQ	479m N	Old Ironstone Pits	1956	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AP	480m N	Old Ironstone Pits	1938	1:10560
AS	480m N	Old Ironstone Pits	1938	1:10560
AV	480m SE	Unspecified Old Shaft	1938	1:10560
AV	480m SE	Unspecified Old Shaft	1903	1:10560
AV	480m SE	Unspecified Old Shaft	1956	1:10560
AQ	486m N	Old Ironstone Pits	1938	1:10560
AQ	486m N	Old Ironstone Pits	1903	1:10560
AQ	489m N	Old Ironstone Pits	1956	1:10560
AP	492m N	Unspecified Disused Shaft	1965	1:10560
AG	495m SW	Unspecified Disused Shaft	1991	1:10000
AG	495m SW	Unspecified Disused Shaft	1980	1:10000
X	497m N	Old Ironstone Pits	1938	1:10560
X	497m N	Old Ironstone Pits	1903	1:10560
AP	498m N	Unspecified Old Shaft	1938	1:10560
AP	498m N	Unspecified Old Shaft	1956	1:10560
X	509m N	Old Ironstone Pits	1938	1:10560
X	509m N	Old Ironstone Pits	1903	1:10560
AZ	512m NE	Old Ironstone Pits	1938	1:10560
AZ	512m NE	Old Ironstone Pits	1903	1:10560
BA	515m NE	Old Ironstone Pits	1938	1:10560
BA	515m NE	Old Ironstone Pits	1903	1:10560
BA	519m NE	Old Ironstone Pits	1956	1:10560
AZ	519m NE	Old Ironstone Pits	1956	1:10560
BB	519m E	Old Ironstone Pits	1938	1:10560
BB	519m E	Old Ironstone Pits	1903	1:10560
BB	526m E	Old Ironstone Pits	1956	1:10560
AQ	533m N	Old Ironstone Pits	1956	1:10560
AQ	534m NW	Old Ironstone Pits	1903	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AQ	535m NW	Old Ironstone Pits	1938	1:10560
AQ	535m NW	Old Ironstone Pits	1903	1:10560
AQ	538m NW	Old Ironstone Pits	1956	1:10560
AQ	539m N	Old Ironstone Pits	1938	1:10560
AQ	539m N	Old Ironstone Pits	1903	1:10560
X	539m N	Old Ironstone Pits	1903	1:10560
X	541m N	Old Ironstone Pits	1903	1:10560
AQ	541m NW	Old Ironstone Pits	1956	1:10560
X	542m N	Old Ironstone Pits	1903	1:10560
AQ	545m N	Old Ironstone Pits	1938	1:10560
AQ	545m N	Old Ironstone Pits	1903	1:10560
BB	548m E	Old Ironstone Pits	1938	1:10560
BB	548m E	Old Ironstone Pits	1903	1:10560
X	550m N	Old Ironstone Pits	1938	1:10560
AR	550m NW	Unspecified Disused Shafts	1966	1:10560
AR	550m NW	Unspecified Disused Shafts	1992	1:10000
AR	550m NW	Unspecified Disused Shafts	1980	1:10000
BB	551m E	Old Ironstone Pits	1956	1:10560
BC	553m SE	Unspecified Shaft	1938	1:10560
BC	553m SE	Unspecified Shaft	1903	1:10560
X	554m N	Old Ironstone Pits	1938	1:10560
BC	555m SE	Unspecified Disused Shaft	1991	1:10000
BC	555m SE	Unspecified Disused Shaft	1980	1:10000
BC	555m SE	Unspecified Shaft	1956	1:10560
AQ	557m N	Old Ironstone Pits	1938	1:10560
AQ	557m N	Old Ironstone Pits	1903	1:10560
BC	557m SE	Unspecified Disused Shaft	1965	1:10560
AR	560m NW	Unspecified Disused Shafts	1966	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AR	560m NW	Unspecified Disused Shafts	1992	1:10000
AR	560m NW	Unspecified Disused Shafts	1980	1:10000
AR	560m NW	Unspecified Old Shaft	1938	1:10560
AR	560m NW	Unspecified Old Shaft	1903	1:10560
AR	561m NW	Air Shaft	1951	1:10560
AR	565m NW	Air Shaft	1951	1:10560
X	566m N	Old Ironstone Pits	1903	1:10560
AR	566m NW	Air Shaft	1938	1:10560
AR	566m NW	Air Shaft	1903	1:10560
AQ	568m N	Old Ironstone Pits	1938	1:10560
X	573m N	Old Ironstone Pits	1903	1:10560
BB	575m E	Old Ironstone Pits	1938	1:10560
BB	575m E	Old Ironstone Pits	1903	1:10560
BB	578m E	Old Ironstone Pits	1956	1:10560
BD	581m N	Old Ironstone Pits	1903	1:10560
BD	583m N	Old Ironstone Pits	1938	1:10560
BB	590m E	Old Ironstone Pits	1938	1:10560
BB	590m E	Old Ironstone Pits	1903	1:10560
BF	592m S	Unspecified Old Shafts	1903	1:10560
BI	592m S	Unspecified Old Shafts	1938	1:10560
BI	592m S	Unspecified Old Shafts	1903	1:10560
BB	593m E	Old Ironstone Pits	1956	1:10560
BB	596m E	Old Ironstone Pits	1938	1:10560
BB	596m E	Old Ironstone Pits	1903	1:10560
BB	601m E	Old Ironstone Pits	1938	1:10560
BB	601m E	Old Ironstone Pits	1903	1:10560
BB	602m NE	Old Ironstone Pits	1956	1:10560
BB	605m E	Old Ironstone Pits	1956	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
BF	605m S	Unspecified Old Shafts	1956	1:10560
BH	607m SW	Unspecified Shaft	1956	1:10560
BH	608m SW	Unspecified Shaft	1938	1:10560
BH	608m SW	Unspecified Shaft	1903	1:10560
BF	616m S	Unspecified Old Shafts	1938	1:10560
BF	616m S	Unspecified Old Shafts	1903	1:10560
BB	618m E	Old Ironstone Pits	1938	1:10560
BB	618m E	Old Ironstone Pits	1903	1:10560
BB	621m E	Old Ironstone Pits	1938	1:10560
BB	621m E	Old Ironstone Pits	1903	1:10560
BB	622m E	Old Ironstone Pits	1938	1:10560
BB	622m E	Old Ironstone Pits	1903	1:10560
BB	623m E	Old Ironstone Pits	1956	1:10560
BB	628m E	Old Ironstone Pits	1956	1:10560
BB	628m E	Old Ironstone Pits	1956	1:10560
BP	631m SW	Unspecified Shaft	1956	1:10560
AX	631m NW	Unspecified Disused Shafts	1992	1:10000
BP	632m SW	Unspecified Shaft	1938	1:10560
BP	632m SW	Unspecified Shafts	1903	1:10560
BQ	635m W	Old Ironstone Pits	1903	1:10560
BO	639m S	Unspecified Old Shafts	1938	1:10560
BO	639m S	Unspecified Old Shafts	1903	1:10560
BK	643m S	Unspecified Disused Shaft	1991	1:10000
BK	643m S	Unspecified Disused Shaft	1980	1:10000
BK	643m S	Unspecified Old Shafts	1903	1:10560
BK	644m S	Unspecified Disused Shaft	1965	1:10560
BB	645m E	Old Ironstone Pits	1938	1:10560
BB	645m E	Old Ironstone Pits	1903	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AA	646m NW	Old Ironstone Pits	1938	1:10560
AA	646m NW	Old Ironstone Pits	1903	1:10560
BS	647m W	Colliery	1903	1:10560
BS	647m W	Colliery	1894	1:10560
BB	648m E	Old Ironstone Pits	1956	1:10560
AA	652m NW	Old Ironstone Pits	1956	1:10560
BB	655m E	Old Ironstone Pits	1956	1:10560
AA	657m NW	Old Ironstone Pits	1938	1:10560
X	657m N	Unspecified Old Shafts	1938	1:10560
X	657m N	Unspecified Old Shafts	1903	1:10560
BB	657m E	Old Ironstone Pits	1956	1:10560
AI	657m SE	Unspecified Old Shaft	1903	1:10560
BT	659m W	Old Ironstone Pits	1903	1:10560
AA	661m NW	Old Ironstone Pits	1956	1:10560
X	662m N	Unspecified Old Shafts	1956	1:10560
AX	666m NW	Unspecified Disused Shafts	1992	1:10000
BP	667m SW	Unspecified Shafts	1903	1:10560
BB	672m E	Old Ironstone Pits	1938	1:10560
BB	672m E	Old Ironstone Pits	1903	1:10560
BB	675m E	Old Ironstone Pits	1956	1:10560
BU	678m W	Disused Air Shaft	1966	1:10560
BU	678m W	Air Shaft	1951	1:10560
BU	678m W	Air Shaft	1992	1:10000
BU	678m W	Disused Air Shaft	1980	1:10000
BK	679m S	Unspecified Disused Shaft	1991	1:10000
BK	679m S	Unspecified Disused Shaft	1980	1:10000
BK	679m S	Unspecified Disused Shaft	1965	1:10560
BV	679m NE	Old Ironstone Pits	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
BK	680m S	Unspecified Old Shafts	1956	1:10560
BK	680m S	Unspecified Old Shafts	1938	1:10560
BK	680m S	Unspecified Old Shafts	1903	1:10560
BU	680m W	Air Shaft	1938	1:10560
BU	680m W	Air Shaft	1903	1:10560
AA	684m NW	Old Ironstone Pits	1938	1:10560
AA	684m NW	Old Ironstone Pits	1903	1:10560
AA	687m NW	Old Ironstone Pits	1938	1:10560
AA	687m NW	Old Ironstone Pits	1903	1:10560
BZ	690m SW	Old Ironstone Pits	1903	1:10560
AA	690m NW	Old Ironstone Pits	1938	1:10560
AA	690m NW	Old Ironstone Pits	1903	1:10560
AA	691m NW	Old Ironstone Pits	1956	1:10560
BV	691m NE	Unspecified Old Shaft	1903	1:10560
BV	693m NE	Unspecified Disused Shaft	1991	1:10000
BV	693m NE	Unspecified Disused Shaft	1980	1:10000
BV	693m NE	Unspecified Disused Shaft	1965	1:10560
BV	694m NE	Unspecified Old Shaft	1938	1:10560
-	695m E	Old Ironstone Pits	1938	1:10560
-	695m E	Old Ironstone Pits	1903	1:10560
CB	696m SW	Old Ironstone Pits	1903	1:10560
AA	696m NW	Old Ironstone Pits	1956	1:10560
BV	696m NE	Unspecified Old Shaft	1956	1:10560
AA	698m N	Old Ironstone Pits	1956	1:10560
AA	700m NW	Old Ironstone Pits	1956	1:10560
-	701m E	Old Ironstone Pits	1956	1:10560
BV	715m NE	Unspecified Old Shafts	1938	1:10560
-	715m N	Unspecified Disused Shaft	1980	1:10000

ID	Location	Land Use	Year of mapping	Mapping scale
-	715m N	Unspecified Disused Shaft	1965	1:10560
-	716m N	Unspecified Old Shafts	1938	1:10560
-	716m N	Unspecified Old Shafts	1903	1:10560
-	717m N	Unspecified Disused Shaft	1991	1:10000
AA	721m NW	Air Shaft	1903	1:10560
-	721m W	Old Ironstone Pits	1903	1:10560
-	723m E	Old Ironstone Pits	1938	1:10560
-	723m E	Old Ironstone Pits	1903	1:10560
BS	724m W	Unspecified Disused Shaft	1992	1:10000
BS	724m W	Unspecified Disused Shaft	1980	1:10000
-	738m E	Old Ironstone Pits	1938	1:10560
-	738m E	Old Ironstone Pits	1903	1:10560
AA	741m NW	Old Ironstone Pits	1938	1:10560
AA	741m NW	Old Ironstone Pits	1903	1:10560
AA	748m NW	Old Ironstone Pits	1956	1:10560
AA	751m NW	Old Ironstone Pits	1938	1:10560
AA	751m NW	Old Ironstone Pits	1903	1:10560
-	754m W	Old Ironstone Pits	1903	1:10560
AA	756m NW	Old Ironstone Pits	1938	1:10560
AA	756m NW	Old Ironstone Pits	1903	1:10560
AA	758m NW	Old Ironstone Pits	1956	1:10560
AA	758m NW	Old Ironstone Pits	1956	1:10560
-	761m NW	Old Ironstone Pits	1956	1:10560
-	762m E	Old Ironstone Pits	1938	1:10560
-	762m E	Old Ironstone Pits	1903	1:10560
52	767m NE	Colliery	1903	1:10560
AA	770m NW	Old Ironstone Pits	1938	1:10560
CI	781m SW	Unspecified Shaft	1956	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
AA	782m NW	Old Ironstone Pits	1938	1:10560
AA	782m NW	Old Ironstone Pits	1903	1:10560
AA	783m NW	Old Ironstone Pits	1938	1:10560
CI	788m SW	Unspecified Shaft	1938	1:10560
CI	788m SW	Unspecified Shaft	1903	1:10560
-	792m E	Old Ironstone Pits	1938	1:10560
-	792m E	Old Ironstone Pits	1903	1:10560
CF	793m SW	Old Ironstone Pits	1938	1:10560
CF	793m SW	Old Ironstone Pits	1903	1:10560
CK	794m SW	Old Ironstone Pits	1938	1:10560
CK	794m SW	Old Ironstone Pits	1903	1:10560
-	797m E	Old Ironstone Pits	1956	1:10560
-	813m W	Old Ironstone Pits	1938	1:10560
-	813m W	Old Ironstone Pits	1903	1:10560
-	819m SW	Old Ironstone Pits	1951	1:10560
-	819m SW	Old Ironstone Pits	1951	1:10560
CK	820m SW	Old Ironstone Pits	1951	1:10560
-	821m E	Old Ironstone Pits	1938	1:10560
-	821m E	Old Ironstone Pits	1903	1:10560
-	825m E	Old Ironstone Pits	1956	1:10560
-	828m W	Old Ironstone Pits	1938	1:10560
-	828m W	Old Ironstone Pits	1903	1:10560
-	829m SW	Old Ironstone Pits	1938	1:10560
-	829m SW	Old Ironstone Pits	1903	1:10560
CQ	832m NW	Old Ironstone Pits	1938	1:10560
CQ	832m NW	Old Ironstone Pits	1903	1:10560
-	837m NW	Old Ironstone Pits	1938	1:10560
-	837m NW	Old Ironstone Pits	1903	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	838m NW	Old Ironstone Pits	1956	1:10560
-	838m W	Old Ironstone Pits	1938	1:10560
-	841m W	Old Ironstone Pits	1938	1:10560
-	841m W	Old Ironstone Pits	1903	1:10560
CQ	843m NW	Old Ironstone Pits	1938	1:10560
CQ	843m NW	Old Ironstone Pits	1903	1:10560
-	843m NW	Old Ironstone Pits	1956	1:10560
-	850m E	Old Ironstone Pits	1938	1:10560
-	850m E	Old Ironstone Pits	1903	1:10560
-	851m N	Old Ironstone Pits	1938	1:10560
-	851m N	Old Ironstone Pits	1903	1:10560
-	853m E	Old Ironstone Pits	1956	1:10560
-	856m N	Unspecified Disused Shaft	1991	1:10000
-	856m N	Unspecified Disused Shaft	1980	1:10000
-	856m N	Unspecified Disused Shaft	1965	1:10560
-	859m N	Unspecified Old Shaft	1938	1:10560
CV	861m NW	Old Ironstone Pits	1938	1:10560
CV	861m NW	Old Ironstone Pits	1903	1:10560
-	866m S	Unspecified Old Shaft	1921	1:10560
-	872m S	Unspecified Old Shaft	1901	1:10560
-	873m S	Unspecified Old Shaft	1924	1:10560
-	874m W	Unspecified Disused Shaft	1992	1:10000
-	874m W	Unspecified Disused Shaft	1980	1:10000
-	875m SW	Old Ironstone Pits	1951	1:10560
-	876m E	Colliery	1938	1:10560
-	882m E	Colliery	1903	1:10560
-	884m W	Air Shaft	1951	1:10560
-	885m W	Old Ironstone Pits	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	885m W	Old Ironstone Pits	1903	1:10560
CV	885m NW	Old Ironstone Pits	1938	1:10560
-	886m E	Colliery	1956	1:10560
-	886m W	Air Shaft	1938	1:10560
-	888m W	Air Shaft	1903	1:10560
-	890m E	Colliery	1965	1:10560
-	892m W	Old Ironstone Pits	1938	1:10560
-	895m NE	Air Shaft	1903	1:10560
-	895m NE	Air Shaft	1938	1:10560
-	896m NE	Disused Air Shaft	1991	1:10000
-	896m NE	Disused Air Shaft	1980	1:10000
-	896m NE	Disused Air Shaft	1965	1:10560
-	897m NE	Air Shaft	1956	1:10560
-	900m NW	Old Ironstone Pits	1938	1:10560
-	900m NW	Old Ironstone Pits	1903	1:10560
-	901m NW	Old Ironstone Pits	1938	1:10560
-	901m NW	Old Ironstone Pits	1903	1:10560
-	901m NW	Old Ironstone Pits	1938	1:10560
-	901m NW	Old Ironstone Pits	1903	1:10560
-	902m SW	Old Ironstone Pits	1938	1:10560
-	902m SW	Old Ironstone Pits	1903	1:10560
-	908m SE	Air Shaft	1938	1:10560
-	908m NW	Old Ironstone Pits	1938	1:10560
-	908m NW	Old Ironstone Pits	1903	1:10560
-	908m SE	Air Shaft	1956	1:10560
-	909m SW	Old Ironstone Pits	1951	1:10560
-	910m NW	Old Ironstone Pits	1956	1:10560
-	910m NW	Old Ironstone Pits	1938	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	910m NW	Old Ironstone Pits	1903	1:10560
-	915m SW	Old Ironstone Pits	1938	1:10560
-	915m SW	Old Ironstone Pits	1903	1:10560
-	922m NE	Disused Air Shaft	1991	1:10000
-	922m NE	Disused Air Shaft	1980	1:10000
-	922m NE	Disused Air Shaft	1965	1:10560
-	924m SW	Old Ironstone Pits	1951	1:10560
-	924m SW	Old Ironstone Pits	1951	1:10560
CV	927m NW	Old Ironstone Pits	1938	1:10560
CV	927m NW	Old Ironstone Pits	1903	1:10560
-	931m SW	Old Ironstone Pits	1938	1:10560
-	931m SW	Old Ironstone Pits	1903	1:10560
-	933m SW	Old Ironstone Pits	1938	1:10560
-	933m SW	Old Ironstone Pits	1903	1:10560
-	938m E	Unspecified Shaft	1980	1:10000
-	938m S	Unspecified Old Shaft	1956	1:10560
CV	942m NW	Old Ironstone Pits	1938	1:10560
CV	942m NW	Old Ironstone Pits	1903	1:10560
-	946m S	Unspecified Old Shafts	1921	1:10560
-	946m S	Unspecified Old Shafts	1901	1:10560
-	946m S	Unspecified Old Shaft	1948	1:10560
-	949m S	Unspecified Old Shafts	1924	1:10560
-	953m SE	Unspecified Old Shafts	1903	1:10560
-	955m N	Air Shaft	1965	1:10560
-	964m W	Old Ironstone Pits	1938	1:10560
-	964m W	Old Ironstone Pits	1903	1:10560
-	966m S	Unspecified Old Shafts	1921	1:10560
-	966m S	Unspecified Old Shafts	1901	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
-	966m W	Air Shaft	1903	1:10560
-	967m N	Air Shaft	1938	1:10560
-	968m SW	Old Ironstone Pits	1951	1:10560
-	969m S	Unspecified Old Shafts	1924	1:10560
-	969m E	Colliery	1894	1:10560
DQ	971m NW	Old Ironstone Pits	1938	1:10560
DQ	971m NW	Old Ironstone Pits	1903	1:10560
-	974m NE	Air Shaft	1938	1:10560
-	974m NE	Air Shaft	1903	1:10560
-	975m NE	Disused Air Shaft	1991	1:10000
-	975m NE	Disused Air Shaft	1980	1:10000
-	975m NE	Disused Air Shaft	1965	1:10560
-	976m SW	Old Ironstone Pits	1938	1:10560
-	976m SW	Old Ironstone Pits	1903	1:10560
-	976m NE	Air Shaft	1956	1:10560
-	981m W	Old Ironstone Pits	1938	1:10560
-	981m W	Old Ironstone Pits	1903	1:10560
-	993m W	Old Ironstone Pits	1938	1:10560
-	993m W	Old Ironstone Pits	1903	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	31

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

Features are displayed on the Mining and ground workings map on **page 125 >**

ID	Location	Name	Commodity	Class	Likelihood
2	**On site**	**Not available**	**Iron Ore (Bedded)**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
3	**On site**	**Not available**	**Ironstone (bedded)**	**B**	**Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.**
5	14m S	Not available	Ironstone (bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
23	422m W	Not available	Ironstone (bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
AE	426m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
X	428m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
25	448m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
26	464m SW	Not available	Ironstone (bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
30	495m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
AM	507m W	Not available	Ironstone (bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
33	517m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
34	524m W	Not available	Ironstone (bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
AA	527m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
37	580m NE	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
38	587m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
BR	644m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
43	646m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	702m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	743m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	756m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
CJ	788m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
55	791m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	798m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

ID	Location	Name	Commodity	Class	Likelihood
-	804m W	Not available	Ironstone (bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
59	811m NW	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	842m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
CV	855m NW	Tankersley Park	Sandstone/Iron Ore (Bedded)	D	Underground mining is considered likely to have occurred within or close to the area. The location, extent and nature of mining should be considered in any site investigation. Potential for difficult ground conditions should be considered.
-	876m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	885m E	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
-	920m W	Not available	Ironstone (bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
67	939m N	Not available	Iron Ore (Bedded)	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site	0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m	16

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.

Features are displayed on the Mining and ground workings map on **page 125 >**

ID	Location	Mineral type	Mineral
4	**On site**	**Metals**	**Ironstone**
B	**On site**	**Metals**	**Ironstone**
6	66m SW	Metals	Ironstone
7	73m S	Metals	Ironstone
10	103m W	Metals	Ironstone
P	243m SW	Metals	Ironstone
17	281m SW	Metals	Ironstone
19	310m SW	Metals	Ironstone
O	313m E	Metals	Ironstone
20	342m S	Metals	Ironstone
X	367m NE	Metals	Ironstone
AA	375m NW	Metals	Ironstone
AI	439m SE	Metals	Ironstone
AM	458m W	Metals	Ironstone
28	468m NE	Metals	Ironstone
AT	474m W	Metals	Ironstone

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m	**314**

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.

Location	Mineral type
On site	**Metals**
On site	**Metals**
On site	**Metals**
On site	**Metals**
50m NE	Metals
57m NE	Metals
58m NE	Metals
58m NE	Metals
59m NE	Metals
61m NE	Metals
62m NE	Metals
66m NE	Metals
70m NE	Metals
71m NE	Metals
71m NE	Metals
73m NE	Metals
75m NE	Metals
78m NE	Metals
87m NE	Metals
87m NE	Metals
88m NE	Metals

Location	Mineral type
92m NE	Metals
93m NE	Metals
95m NE	Metals
95m NE	Metals
97m NE	Metals
105m NE	Metals
106m NE	Metals
107m NE	Metals
110m NE	Metals
113m S	Metals
118m SW	Metals
118m NE	Metals
118m NE	Metals
120m NE	Metals
121m NE	Metals
123m NE	Metals
124m E	Metals
125m NE	Metals
125m NE	Metals
126m NE	Metals
137m NE	Metals
139m NE	Metals
140m S	Metals
141m NE	Metals
141m NE	Metals
142m NE	Metals
143m NE	Metals
146m SW	Unspecified

Location	Mineral type
147m SW	Metals
147m SW	Metals
147m SW	Metals
147m NE	Metals
150m NE	Metals
151m SW	Metals
151m S	Metals
152m S	Metals
154m NE	Metals
160m NE	Metals
161m S	Metals
161m NE	Metals
161m S	Metals
163m NE	Metals
164m NE	Metals
165m E	Metals
166m SW	Metals
168m NE	Metals
174m NE	Metals
174m NE	Metals
175m SW	Metals
177m NE	Metals
177m SW	Metals
180m NE	Metals
182m NE	Metals
182m NE	Metals
183m S	Metals
183m NE	Metals

Location	Mineral type
186m SW	Metals
191m SW	Metals
192m SW	Metals
193m NE	Metals
194m SW	Metals
194m SW	Metals
197m NE	Metals
197m S	Metals
197m NE	Metals
199m NE	Metals
200m SW	Metals
200m NE	Metals
201m NE	Metals
202m NE	Metals
203m E	Metals
204m S	Metals
209m NE	Metals
211m S	Metals
213m NE	Metals
213m NE	Metals
214m NE	Metals
215m NE	Metals
215m SW	Metals
216m SW	Metals
216m SW	Metals
216m SW	Metals
217m NE	Metals
217m S	Metals

Location	Mineral type
219m NE	Metals
220m SW	Metals
223m W	Metals
224m NE	Metals
225m S	Metals
226m NE	Metals
232m SW	Metals
236m SE	Metals
236m NE	Metals
237m SE	Metals
238m NE	Metals
238m NE	Metals
238m E	Metals
238m NE	Metals
238m NE	Metals
239m SW	Metals
239m NE	Metals
241m NE	Metals
241m NE	Metals
242m SW	Metals
242m NE	Metals
244m SW	Metals
245m NE	Metals
247m NE	Metals
248m NE	Metals
249m NE	Metals
250m NE	Metals
250m S	Metals

Location	Mineral type
251m NE	Metals
252m NE	Metals
254m S	Metals
254m S	Metals
256m W	Metals
256m SW	Metals
258m NE	Metals
258m SW	Metals
258m W	Metals
259m NE	Metals
261m S	Metals
261m NE	Metals
262m S	Metals
262m NE	Metals
264m SW	Metals
266m NE	Metals
267m NE	Metals
268m SW	Metals
269m NE	Metals
271m SW	Metals
271m NE	Metals
272m NE	Metals
273m NE	Metals
273m NE	Metals
274m NE	Metals
275m NE	Metals
276m E	Metals
277m NE	Metals

Location	Mineral type
280m S	Metals
280m E	Metals
285m W	Metals
285m S	Metals
285m S	Metals
287m NE	Metals
287m NE	Metals
287m SW	Metals
290m NE	Metals
290m NE	Metals
290m NE	Metals
291m NE	Metals
292m NE	Metals
293m NE	Metals
296m SW	Metals
299m S	Metals
300m NE	Metals
301m NE	Metals
302m SW	Metals
304m SW	Metals
304m SW	Metals
305m SW	Unspecified
305m NE	Metals
306m NE	Metals
307m E	Metals
307m NE	Metals
308m NE	Metals
308m SW	Metals

Location	Mineral type
308m SW	Metals
308m S	Metals
309m S	Metals
310m W	Metals
310m SW	Metals
311m S	Metals
313m NE	Metals
314m NE	Metals
314m NE	Metals
317m NE	Metals
319m S	Metals
319m E	Metals
319m NE	Metals
324m NE	Metals
325m NE	Metals
325m S	Metals
325m SW	Metals
325m NE	Metals
327m S	Metals
327m NE	Metals
329m NE	Metals
330m SW	Metals
333m NE	Metals
333m S	Metals
334m NE	Metals
335m SW	Metals
335m NE	Metals
336m NE	Metals

Location	Mineral type
338m NE	Metals
338m S	Metals
338m W	Metals
339m SW	Metals
339m E	Metals
340m SW	Metals
340m SW	Metals
340m SW	Metals
341m NE	Metals
342m SW	Metals
342m NE	Metals
343m E	Metals
345m SW	Metals
346m SW	Metals
346m S	Metals
346m NE	Metals
349m SW	Metals
349m NE	Metals
351m NE	Metals
352m SE	Metals
352m NE	Metals
352m SW	Metals
353m SW	Metals
354m S	Metals
355m SE	Metals
355m SW	Metals
357m S	Metals
358m S	Metals

Location	Mineral type
359m SW	Metals
359m S	Metals
360m SW	Metals
362m NE	Metals
363m NE	Metals
366m S	Metals
366m SW	Metals
367m SW	Metals
367m SW	Metals
367m E	Metals
367m SW	Metals
369m NE	Metals
370m SW	Metals
372m SW	Metals
372m NE	Metals
374m NE	Metals
374m N	Metals
375m NE	Metals
378m SW	Metals
382m SW	Metals
382m SW	Metals
382m E	Metals
385m S	Metals
385m NE	Metals
387m NE	Metals
388m NE	Metals
389m NE	Metals
389m S	Metals

Location	Mineral type
389m NE	Metals
390m NE	Metals
391m SW	Metals
391m N	Metals
392m SW	Metals
398m NE	Metals
399m NE	Metals
400m S	Metals
400m SW	Metals
400m SW	Metals
401m SW	Metals
401m S	Metals
401m S	Metals
403m W	Metals
404m NE	Metals
404m W	Metals
404m E	Metals
405m NE	Metals
407m W	Metals
409m W	Metals
416m S	Metals
418m SE	Metals
424m N	Metals
425m NE	Metals
428m S	Metals
428m W	Metals
430m W	Metals
433m NE	Metals

Location	Mineral type
434m W	Metals
438m S	Metals
438m W	Metals
447m W	Metals
452m S	Metals
459m SE	Metals
464m SE	Metals
465m W	Metals
467m SW	Unspecified
468m W	Metals
478m W	Metals
485m W	Metals
493m W	Metals

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m	**2**

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.

Location	Mineral
163m SW	Ironstone
399m SW	Ironstone

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m	0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site	1

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

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0

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

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

18.14 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

Records on site	0

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

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

19 Ground cavities and sinkholes

Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- Mining cavities
- Reported recent incidents
- Historical incidents

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	1

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.

Features are displayed on the Ground cavities and sinkholes map on **page 174 >**

ID	Location	Mine Address	Mineral
1	260m SW	Thorncliffe, Chapeltown, South Yorkshire	Magnatite, Marcasite, Siderite, Ironstone

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 176 >**

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	32

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

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
4m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
4m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
25m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
33m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
41m S	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
47m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km^2).

This data is sourced from the British Geological Survey.

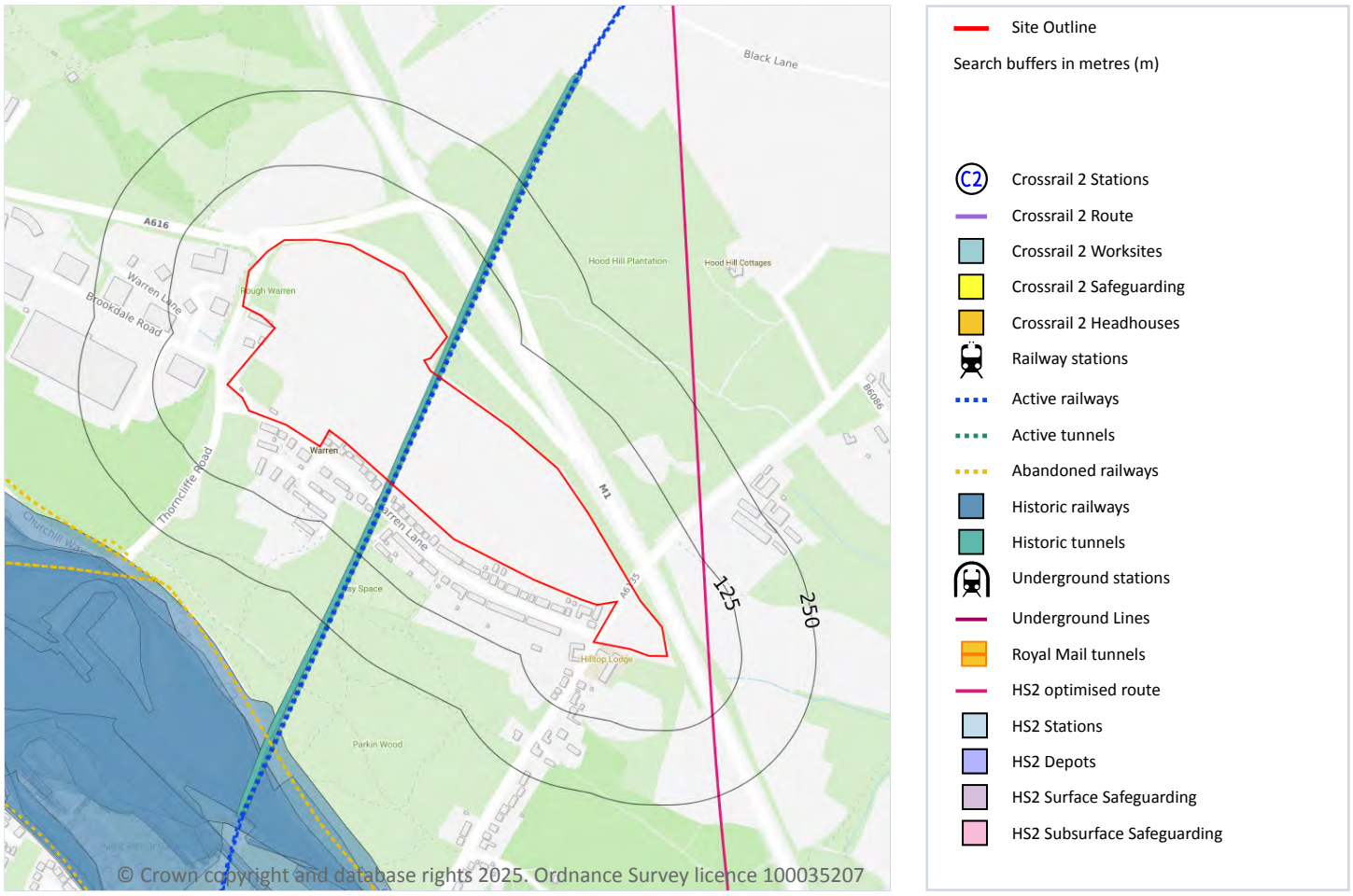
21.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km^2.

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	1

Railway tunnels taken from contemporary Ordnance Survey mapping.

Features are displayed on the Railway infrastructure and projects map on **page 181 >**

Location	Type
On site	**Railway Tunnel**

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m	18

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

Features are displayed on the Railway infrastructure and projects map on **page 181 >**

Location	Land Use	Year of mapping	Mapping scale
On site	**Tunnel**	**1973**	**2500**
On site	**Tunnel**	**1956**	**2500**
On site	**Tunnel**	**1980**	**1250**
On site	**Tunnel**	**1905**	**2500**
On site	**Tunnel**	**1931**	**2500**
On site	**Tunnel**	**1991**	**1250**
On site	**Tunnel**	**1991**	**10000**
On site	**Tunnel**	**1980**	**10000**
On site	**Tunnel**	**1965**	**10560**
On site	**Tunnel**	**1956**	**10560**
On site	**Tunnel**	**1938**	**10560**
On site	**Tunnel**	**1903**	**10560**
On site	**Tunnel**	**1948**	**10560**

Location	Land Use	Year of mapping	Mapping scale
73m NE	Tunnel	1991	2500
73m NE	Tunnel	1956	2500
74m NE	Tunnel	1973	2500
75m NE	Tunnel	1993	2500
189m SW	Tunnel	1980	1250

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	**2**

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

Features are displayed on the Railway infrastructure and projects map on **page 181 >**

Location	Name	Type
On site	**Hallam Line**	**rail**
On site	**Hallam Line**	**rail**

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	4

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.

Features are displayed on the Railway infrastructure and projects map on **page 181 >**

Location	Track Type	Speed (mph)	Speed (km/h)	Status
70m E	Tunnel	224mph	360kph	Section is scheduled for cancellation
82m NE	Surface Running Track	224mph	360kph	Section is scheduled for cancellation
230m S	Surface Running Track	224mph	360kph	Section is scheduled for cancellation
488m NE	Surface Running Track	224mph	360kph	Section is scheduled for cancellation

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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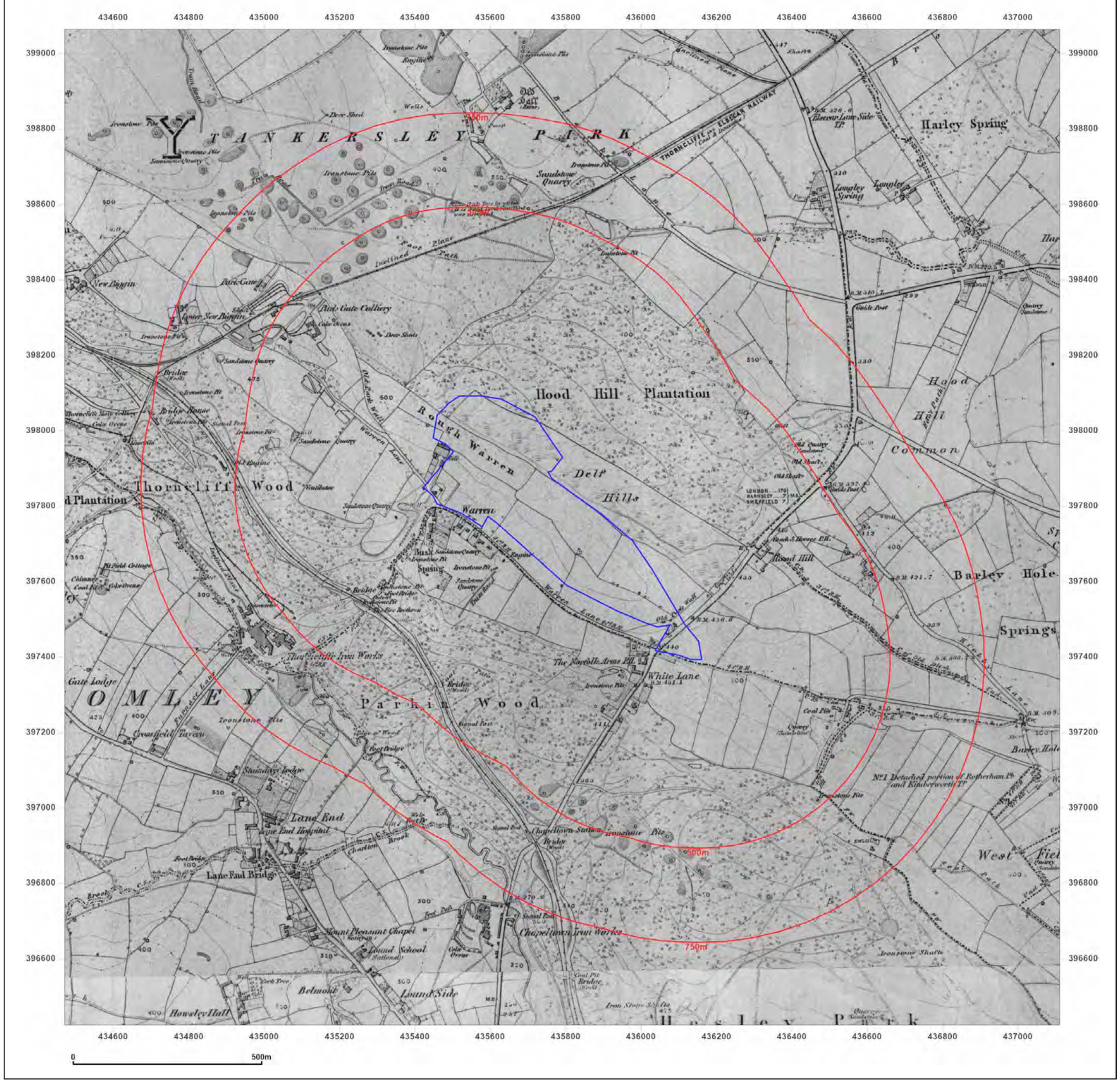

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Sheffield S35 2YD

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Grid Ref:	435790, 397743

Map Name:	County Series
Map date:	**1855**
Scale:	1:10,560
Printed at:	1:10,560

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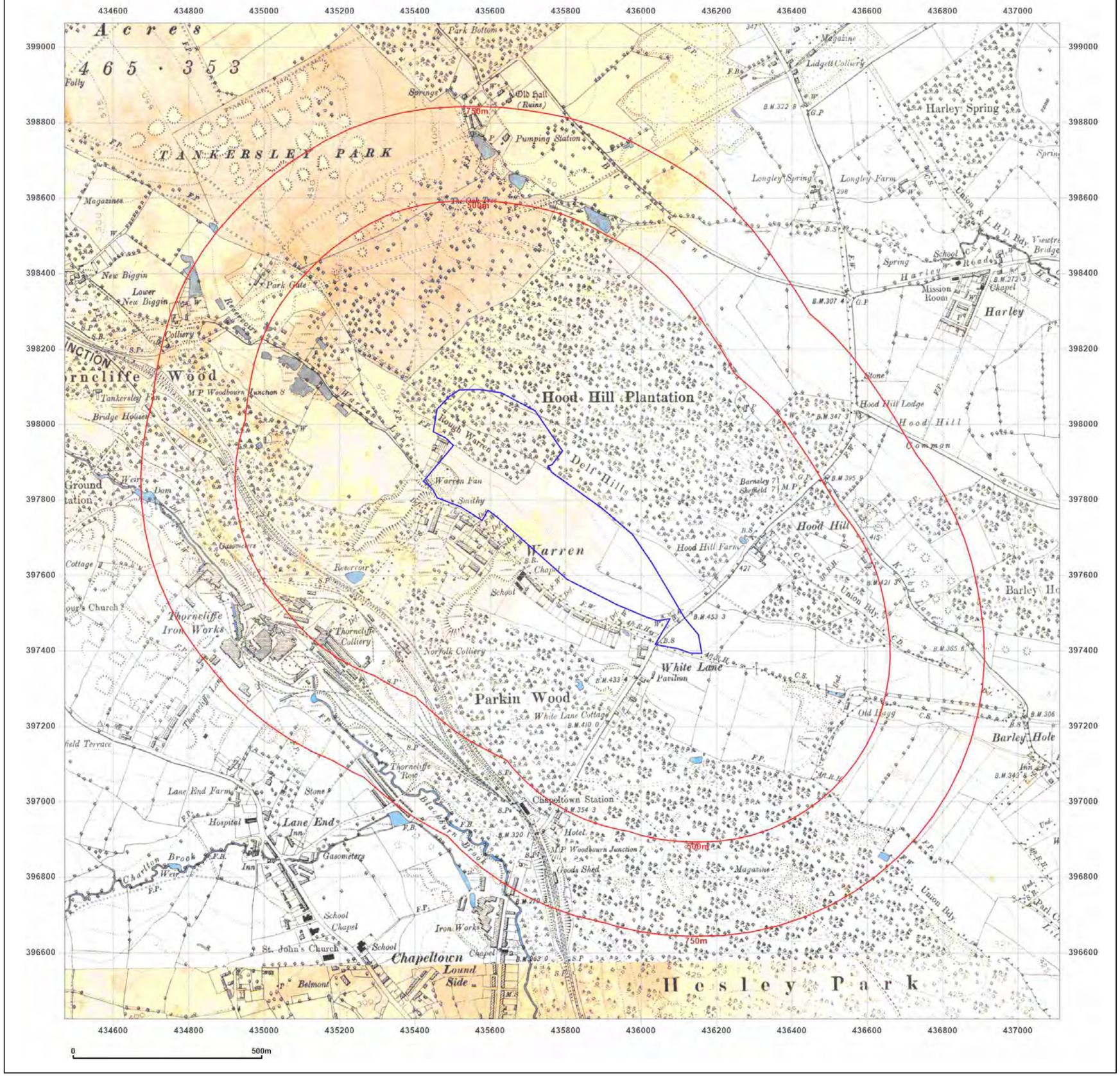

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Site Details:

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Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: County Series

Map date: **1891-1894**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1891
Revised N/A
Edition 1894
Copyright N/A
Levelled N/A

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Revised 1891
Edition N/A
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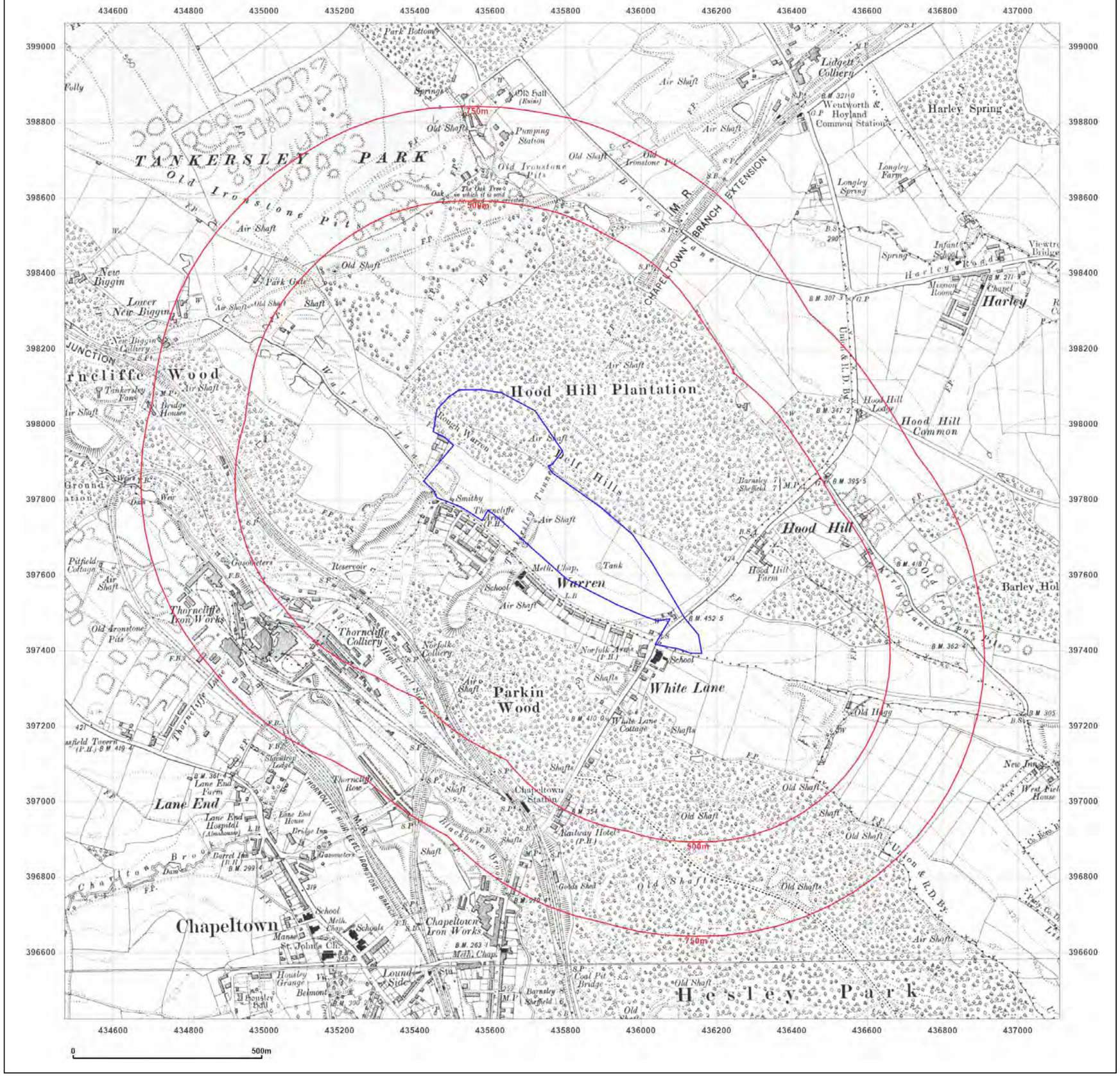

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Client Ref:	PO11499/C30965/SH
Report Ref:	GS-NTG-1ZV-GC2-VEK
Grid Ref:	435790, 397743

Map Name:	County Series
Map date:	**1901-1903**
Scale:	1:10,560
Printed at:	1:10,560

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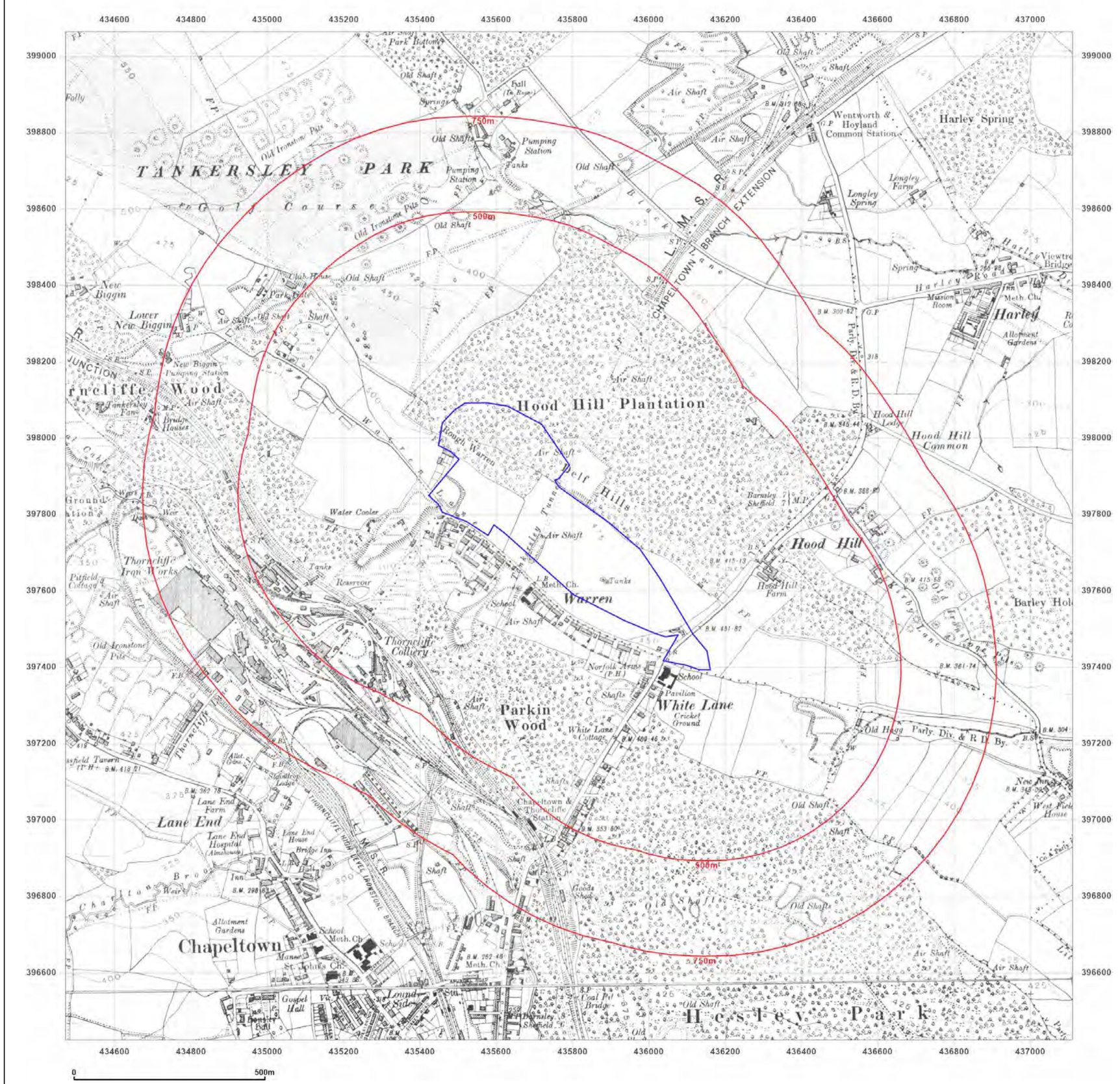

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Site Details:

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Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: County Series
Map date: **1924-1929**
Scale: 1:10,560
Printed at: 1:10,560

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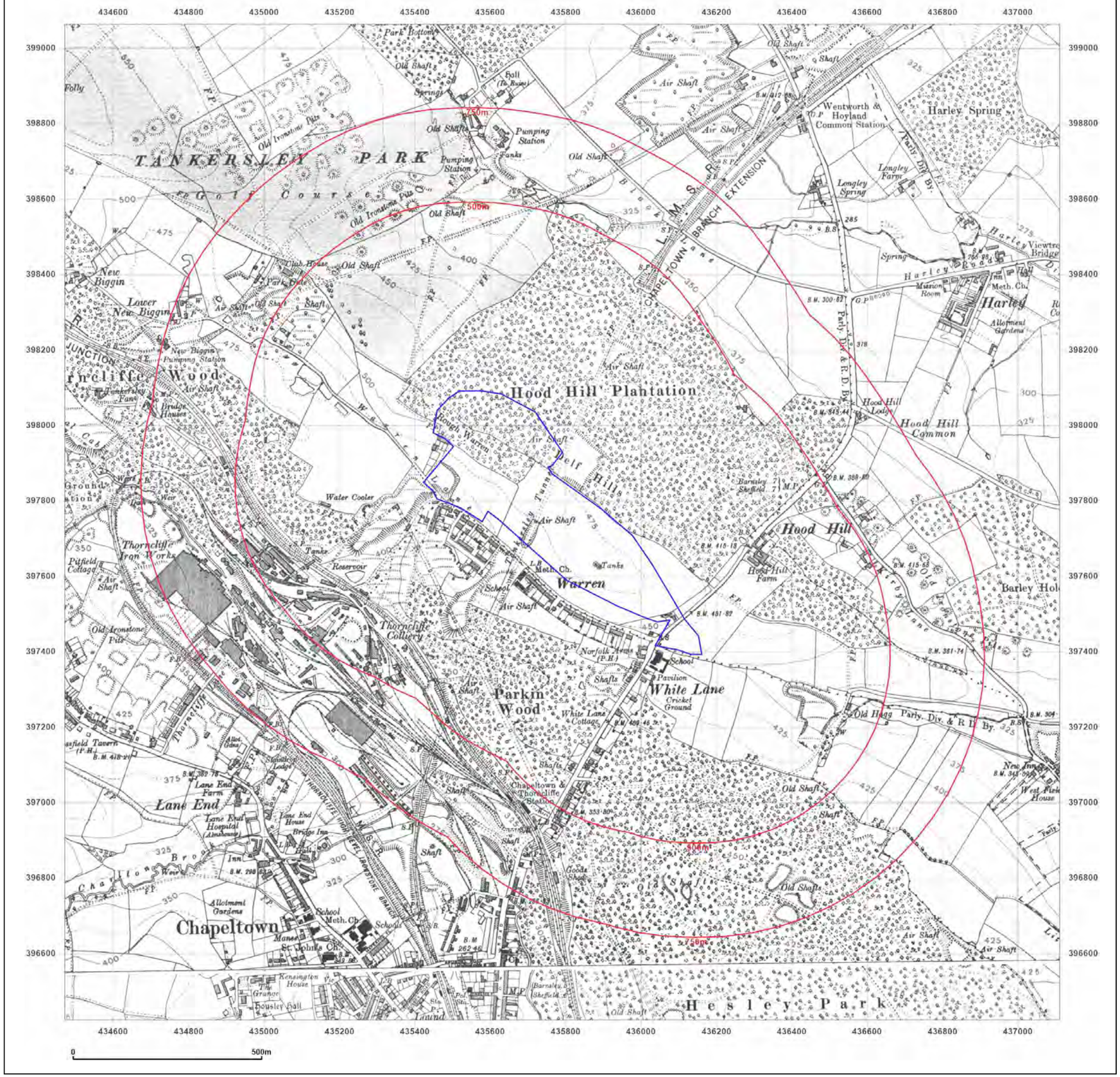

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Site Details:

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Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: County Series

Map date: **1935-1938**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1851
Revised 1935
Edition N/A
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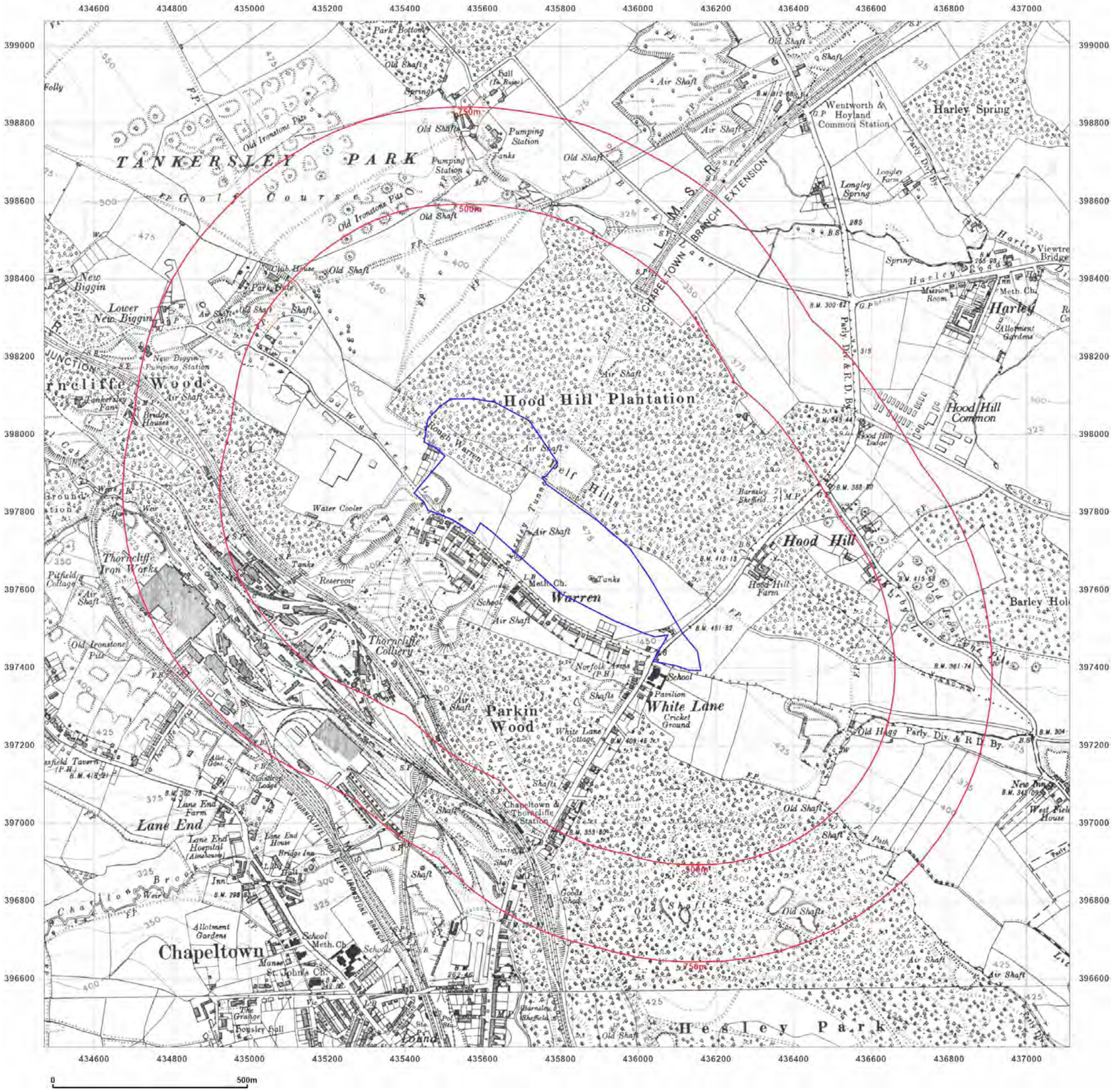

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Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: County Series

Map date: **1948**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1851
Revised 1948
Edition N/A
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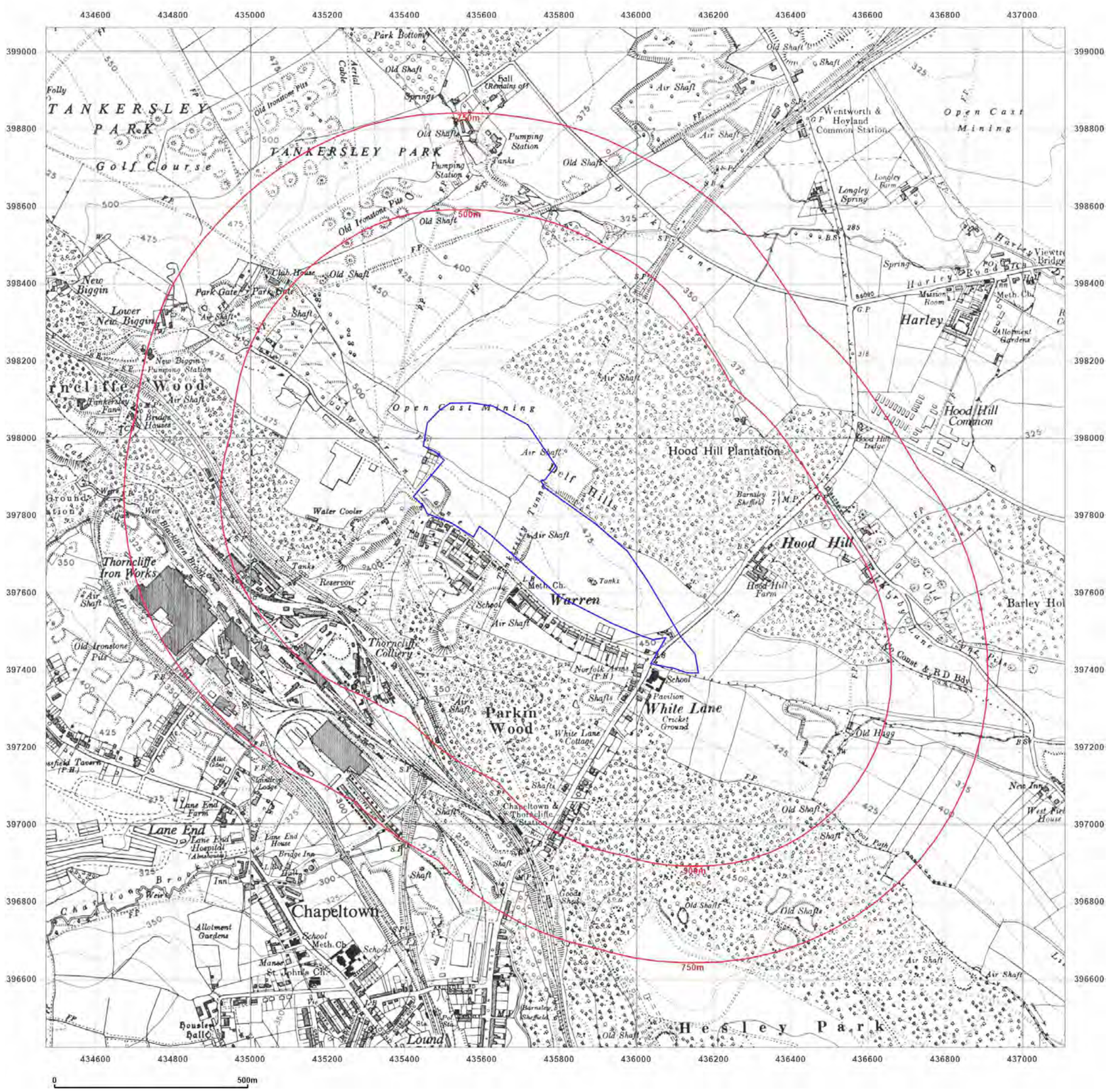

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Site Details:

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Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: Provisional

Map date: **1951-1956**

Scale: 1:10,560

Printed at: 1:10,560

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

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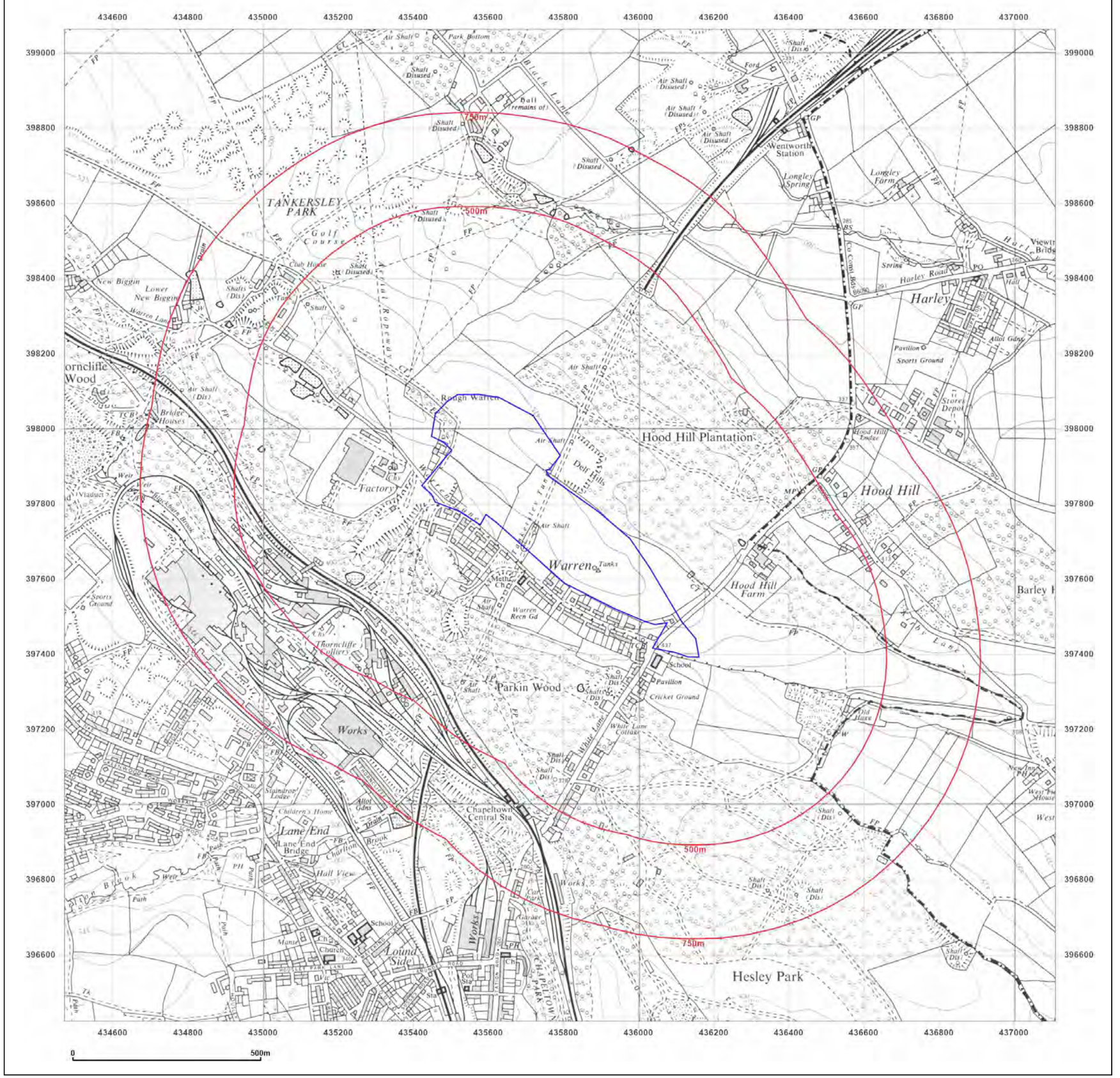

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Site Details:

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Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: Provisional

Map date: **1965-1966**

Scale: 1:10,560

Printed at: 1:10,560

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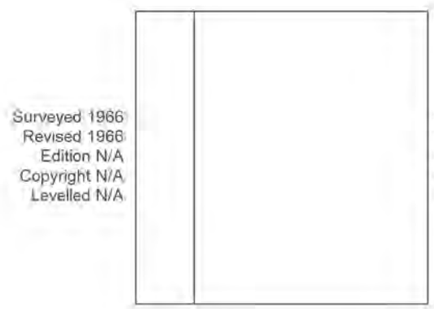

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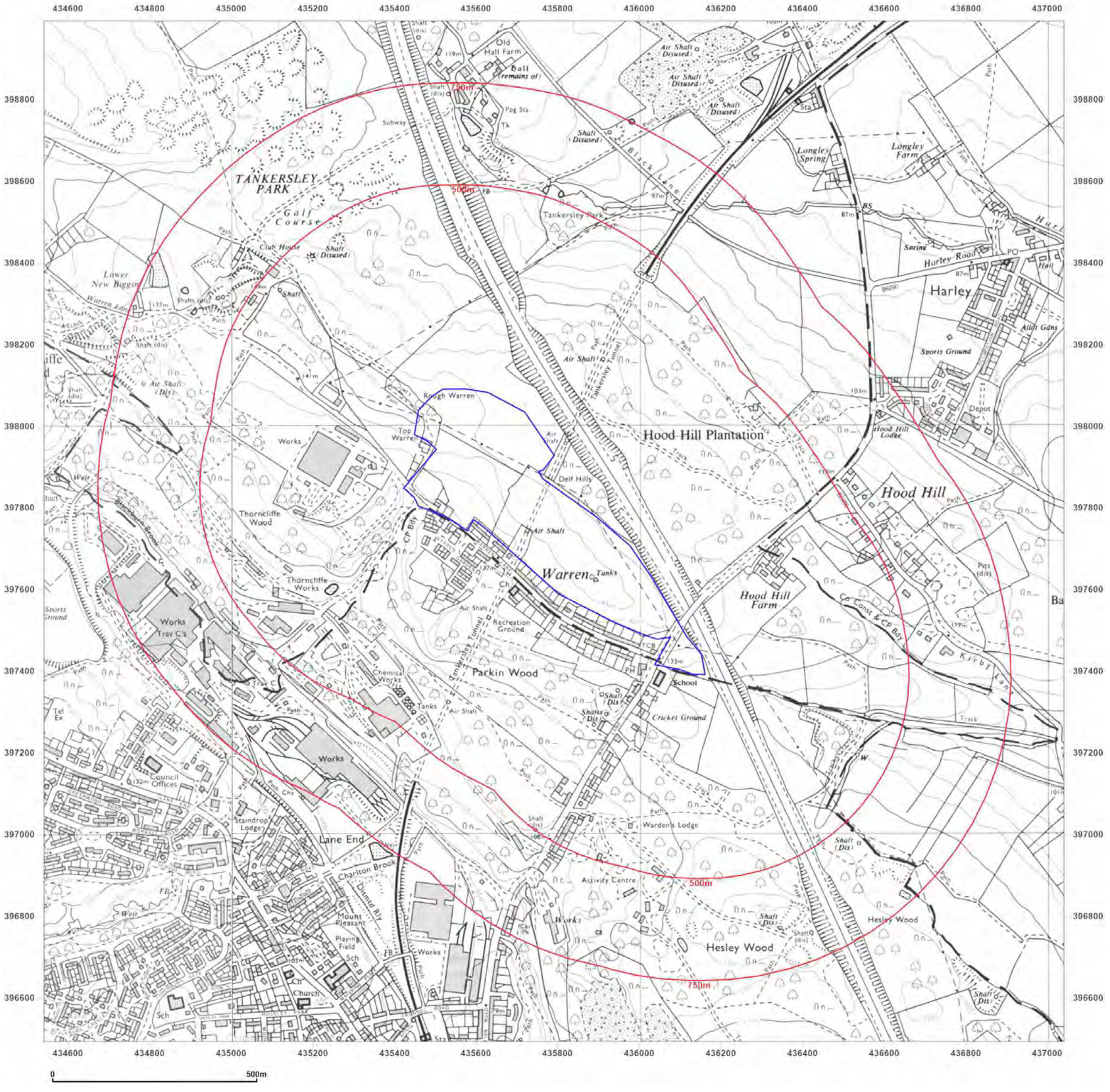

Groundsure INSIGHTS

Site Details:

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Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: National Grid

Map date: **1980**

Scale: 1:10,000

Printed at: 1:10,000

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

Surveyed 1979
Revised 1980
Edition N/A
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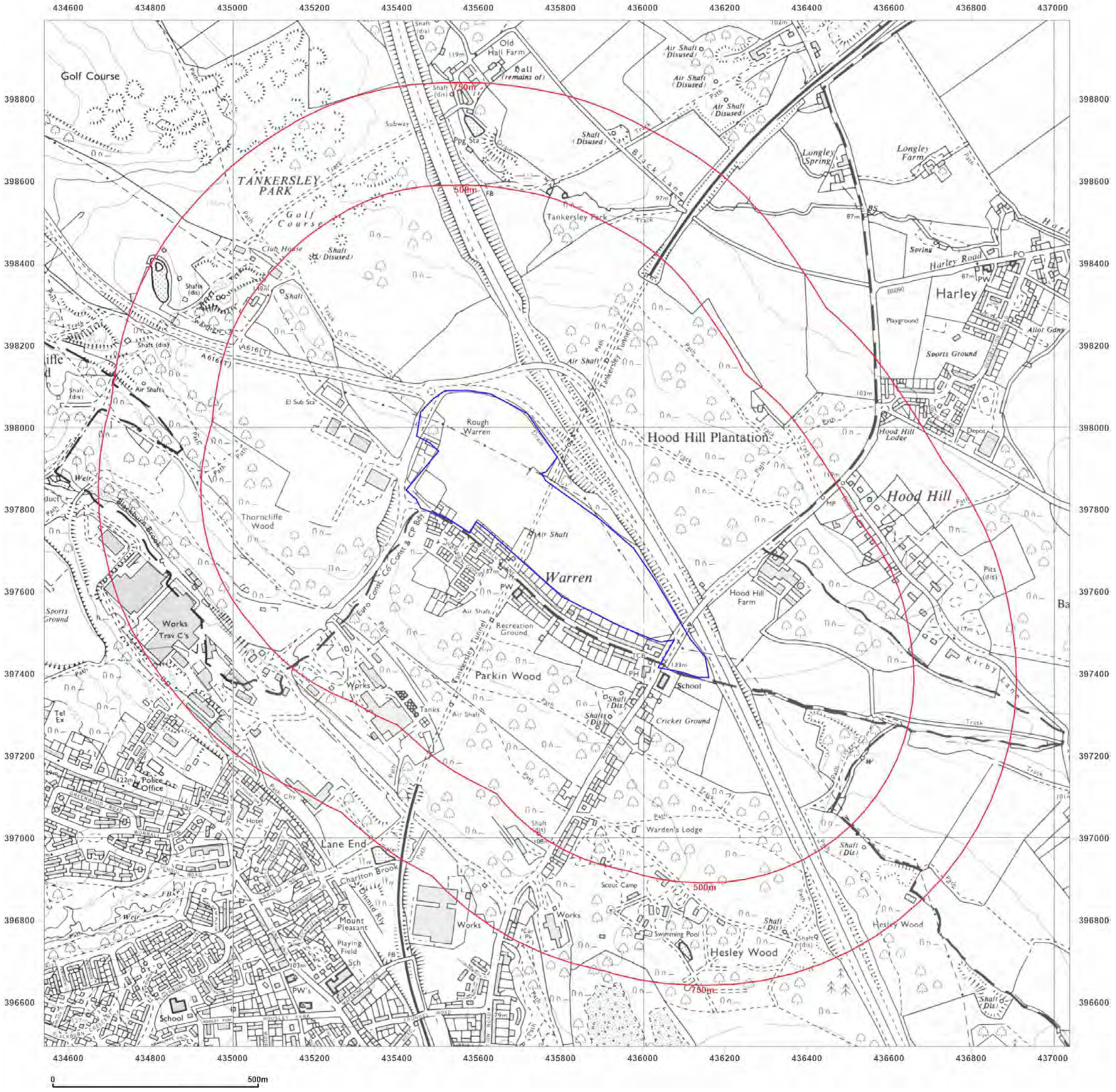

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Site Details:

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Client Ref:	PO11499/C30965/SH
Report Ref:	GS-NTG-1ZV-GC2-VEK
Grid Ref:	435790, 397743

Map Name:	National Grid
Map date:	**1991-1992**
Scale:	1:10,000
Printed at:	1:10,000

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Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: National Grid

Map date: **2001**

Scale: 1:10,000

Printed at: 1:10,000

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Production date: 29 May 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: National Grid

Map date: **2010**

Scale: 1:10,000

Printed at: 1:10,000

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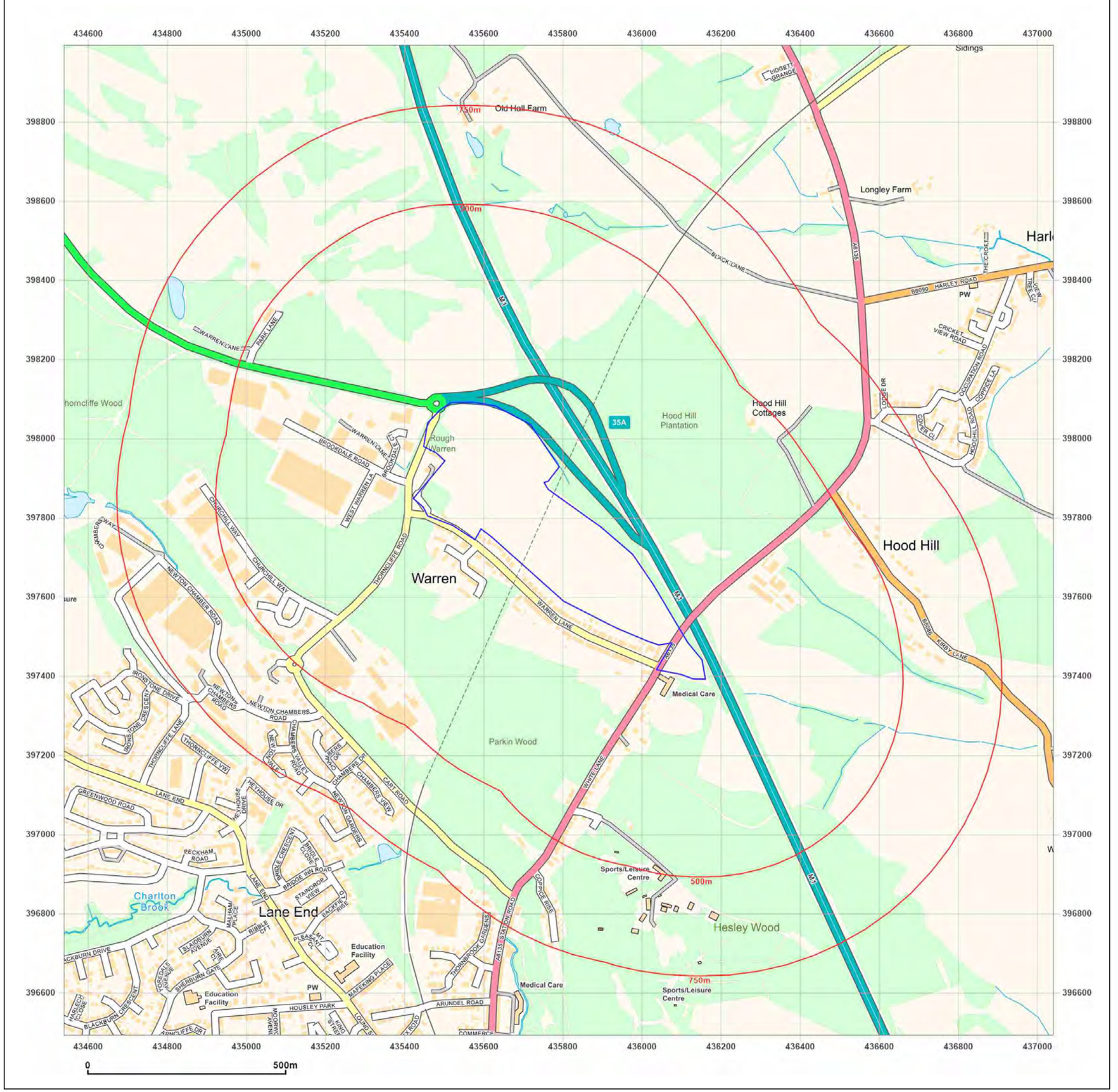
Production date: 29 May 2025

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



Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK
Grid Ref: 435790, 397743

Map Name: National Grid
Map date: **2025**
Scale: 1:10,000
Printed at: 1:10,000

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Map legend available at:
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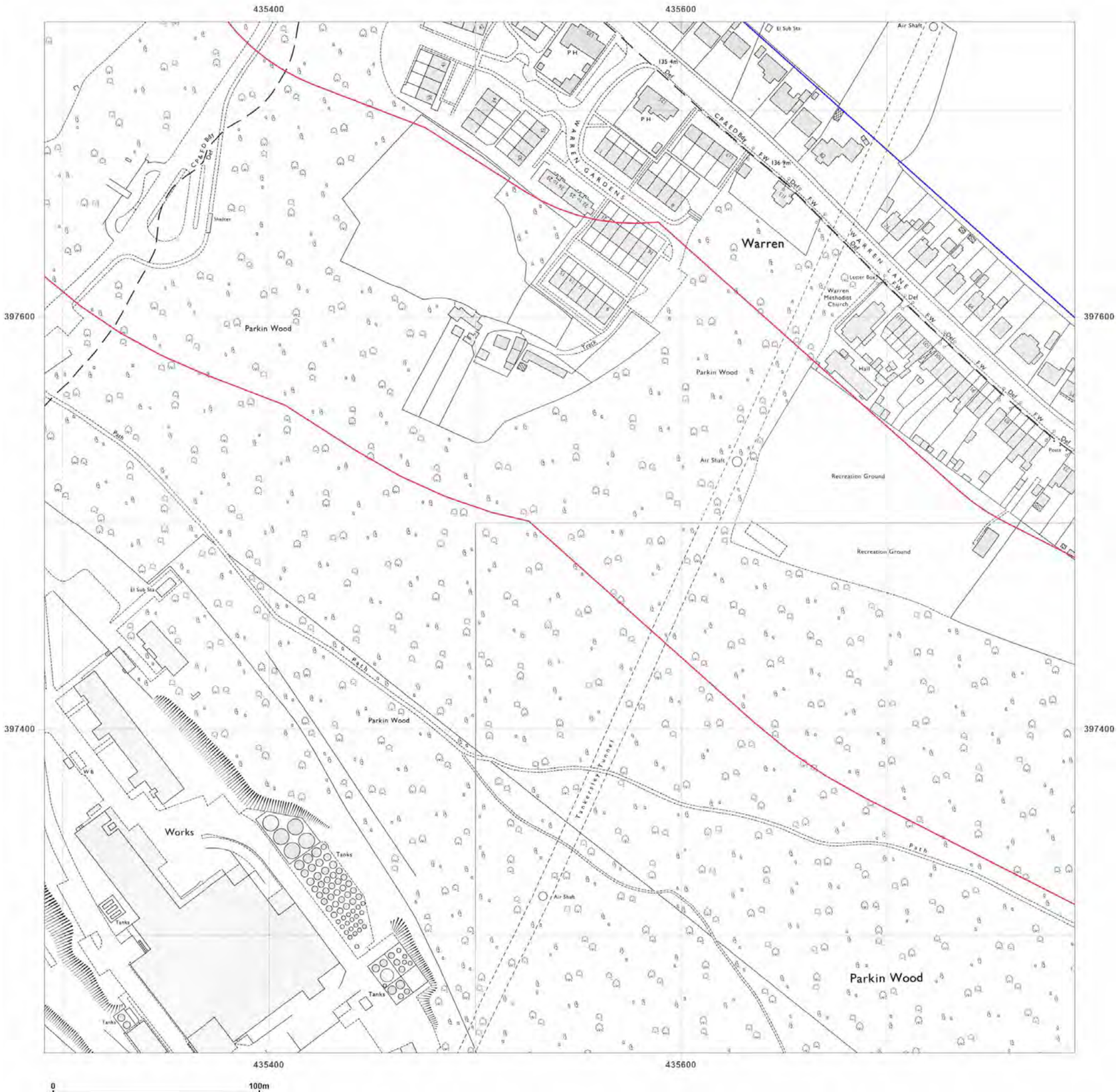

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_1
Grid Ref: 435541, 397493

Map Name: National Grid
Map date: **1980**
Scale: 1:1,250
Printed at: 1:2,000

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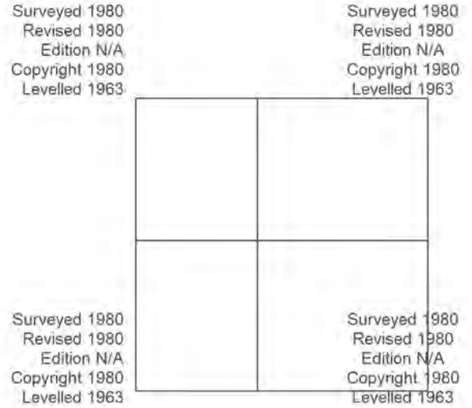

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Production date: 29 May 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_1
Grid Ref: 435541, 397493

Map Name: National Grid

Map date: **1988-1993**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1963
Revised 1988
Edition N/A
Copyright 1988
Levelled 1963

Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

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

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

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Production date: 29 May 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_1
Grid Ref: 435541, 397493

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1963
Revised 1991
Edition N/A
Copyright 1991
Levelled 1963

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

Surveyed 1991
Revised 1991
Edition N/A
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Revised N/A
Edition N/A
Copyright 1991
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Production date: 29 May 2025

Map legend available at:
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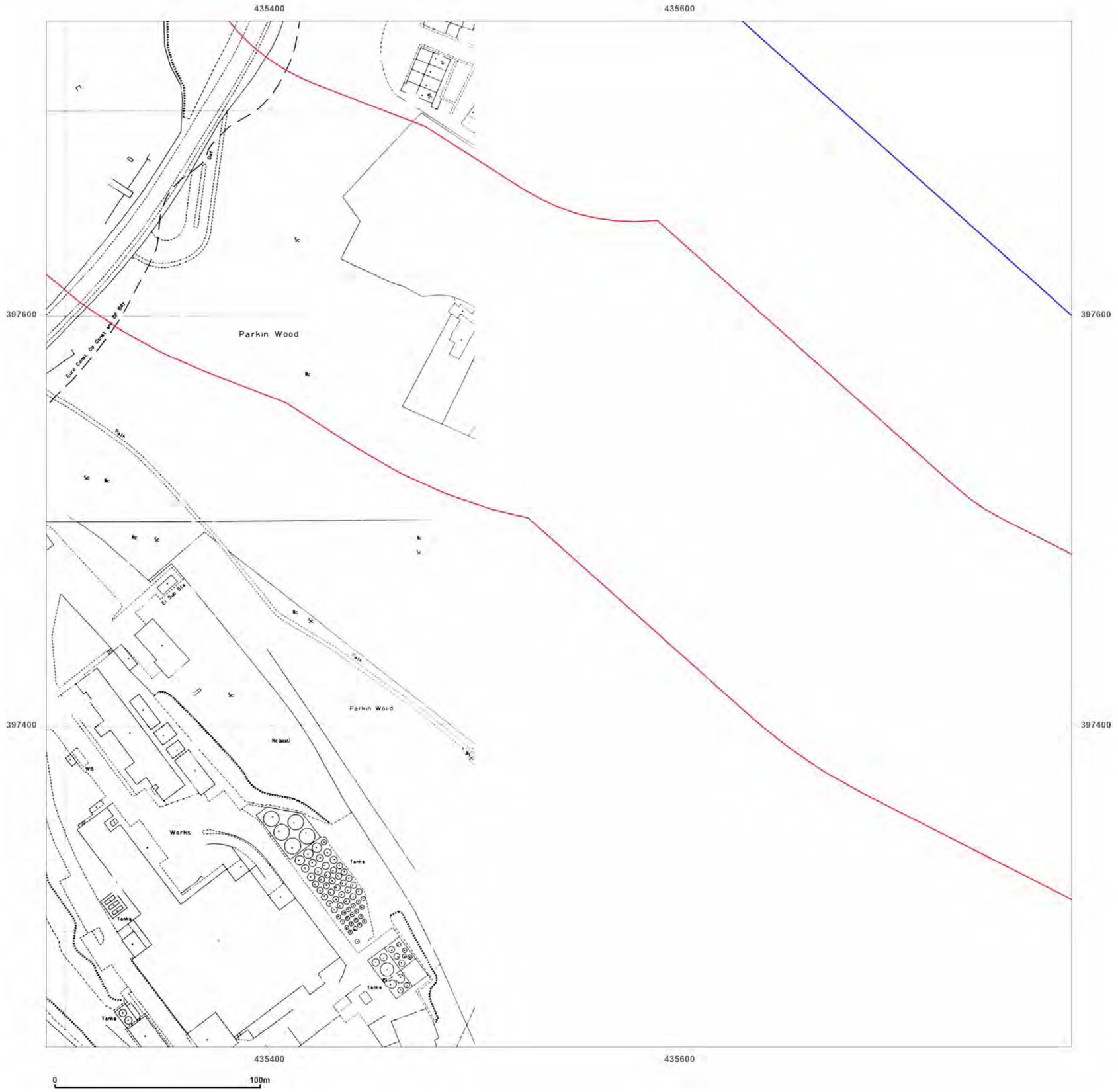

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_1
Grid Ref: 435541, 397493

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

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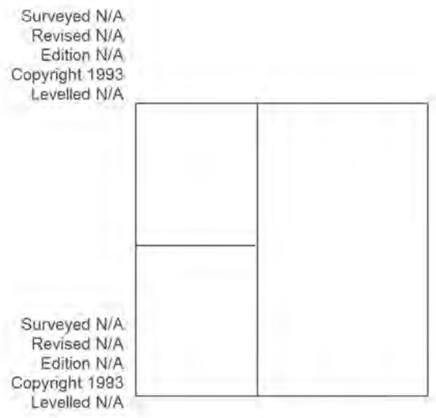

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_2
Grid Ref: 435541, 397993

Map Name: National Grid
Map date: **1980**
Scale: 1:1,250
Printed at: 1:2,000

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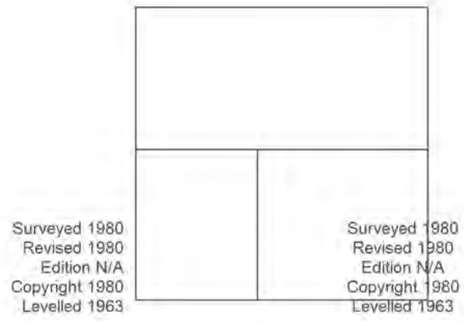

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Production date: 29 May 2025

Map legend available at:
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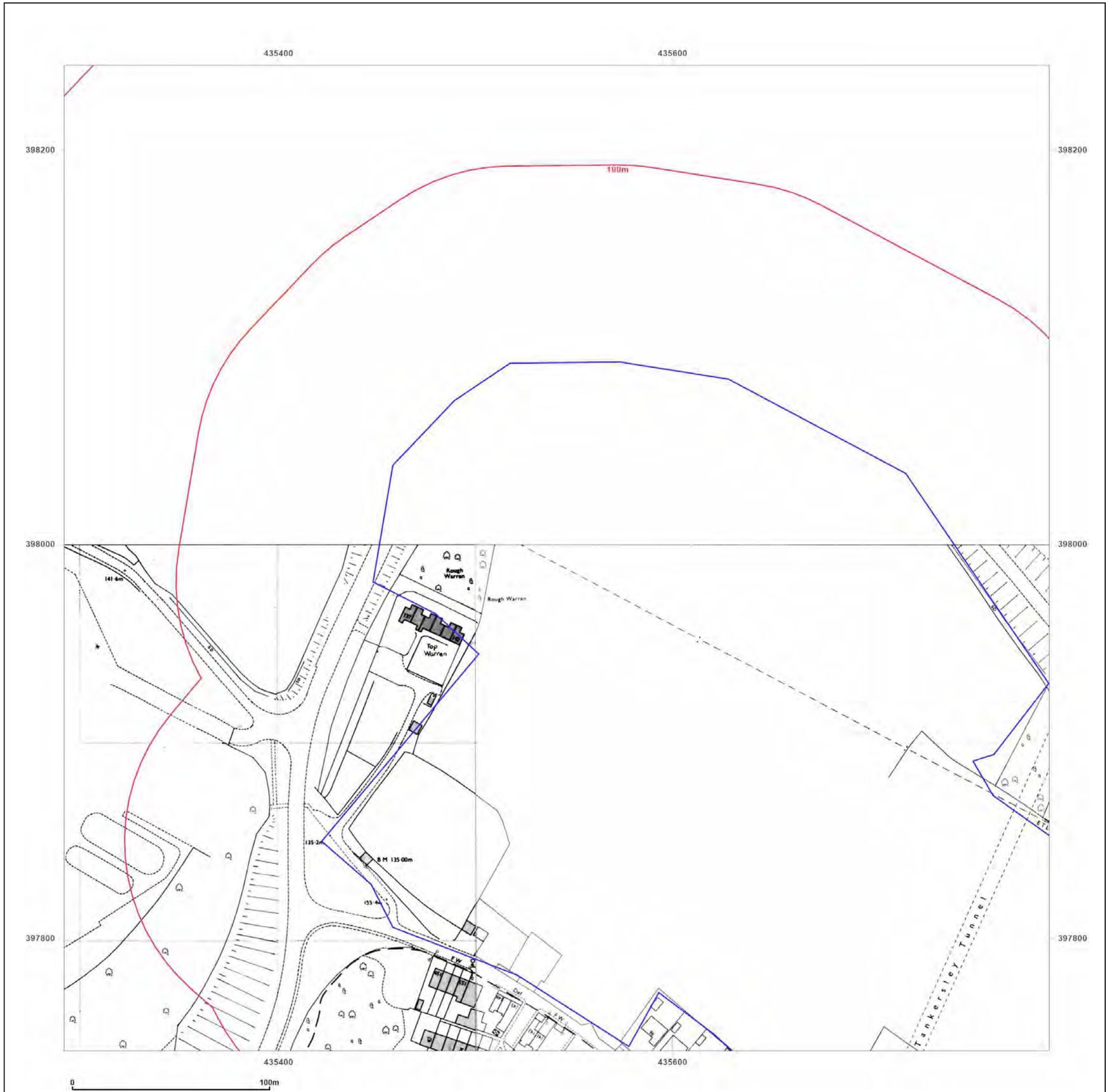

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_2
Grid Ref: 435541, 397993

Map Name: National Grid

Map date: **1988-1991**

Scale: 1:1,250

Printed at: 1:2,000

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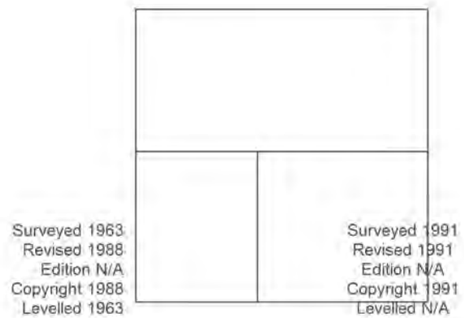

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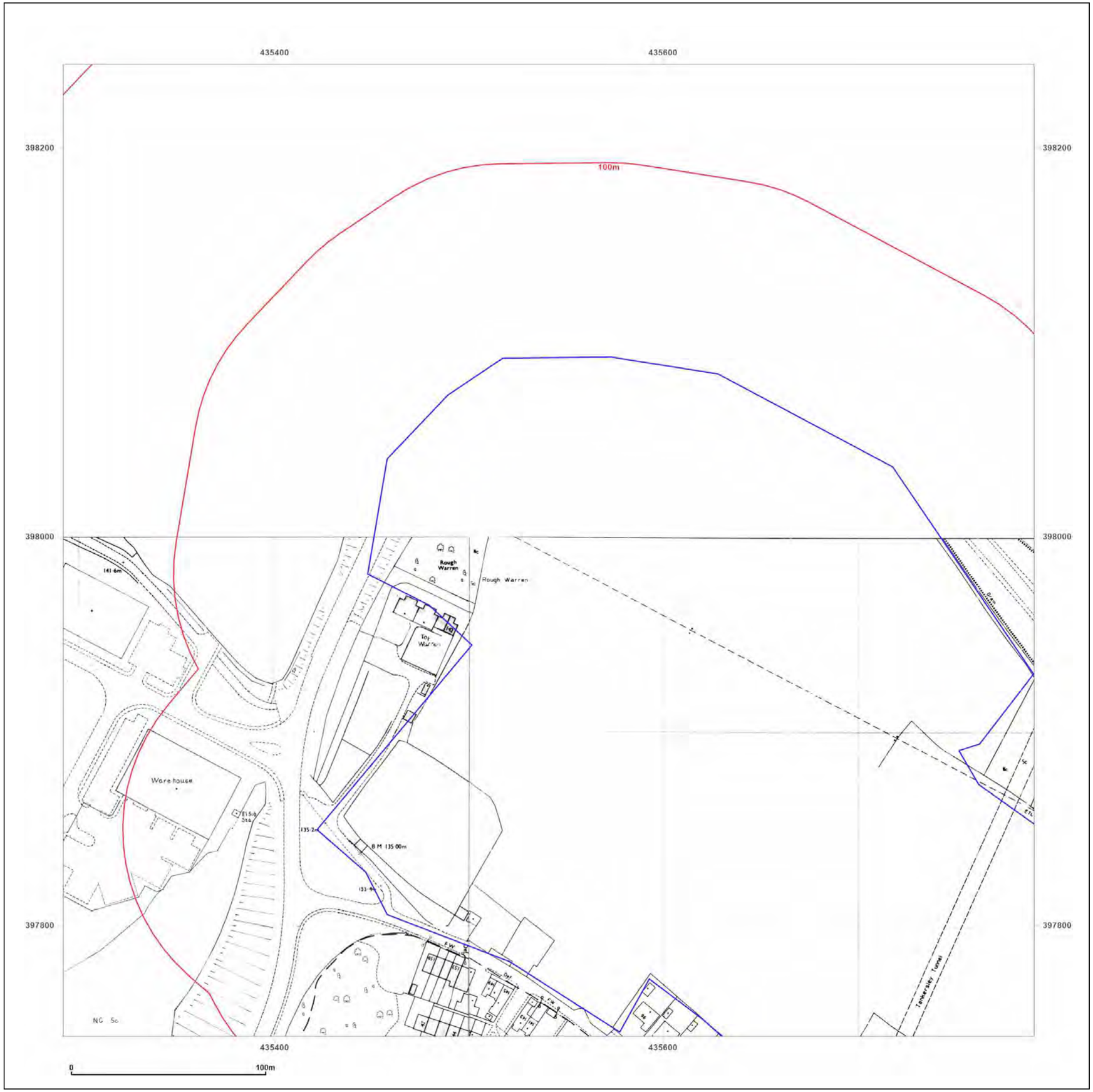

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_2
Grid Ref: 435541, 397993

Map Name: National Grid

Map date: **1991-1993**

Scale: 1:1,250

Printed at: 1:2,000

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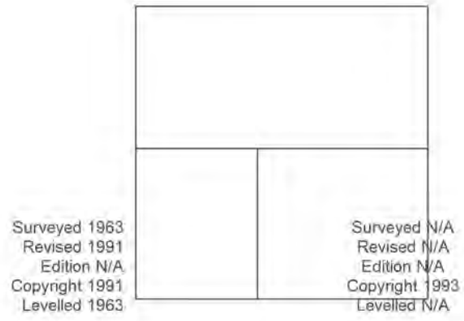

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Production date: 29 May 2025

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_1_2
Grid Ref: 435541, 397993

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

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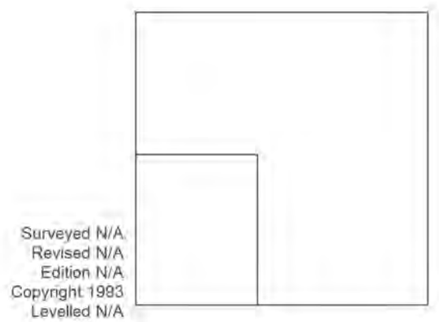

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_2_1
Grid Ref: 436041, 397493

Map Name: National Grid
Map date: **1980**
Scale: 1:1,250
Printed at: 1:2,000

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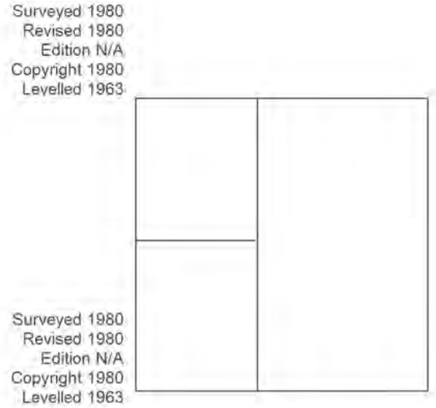

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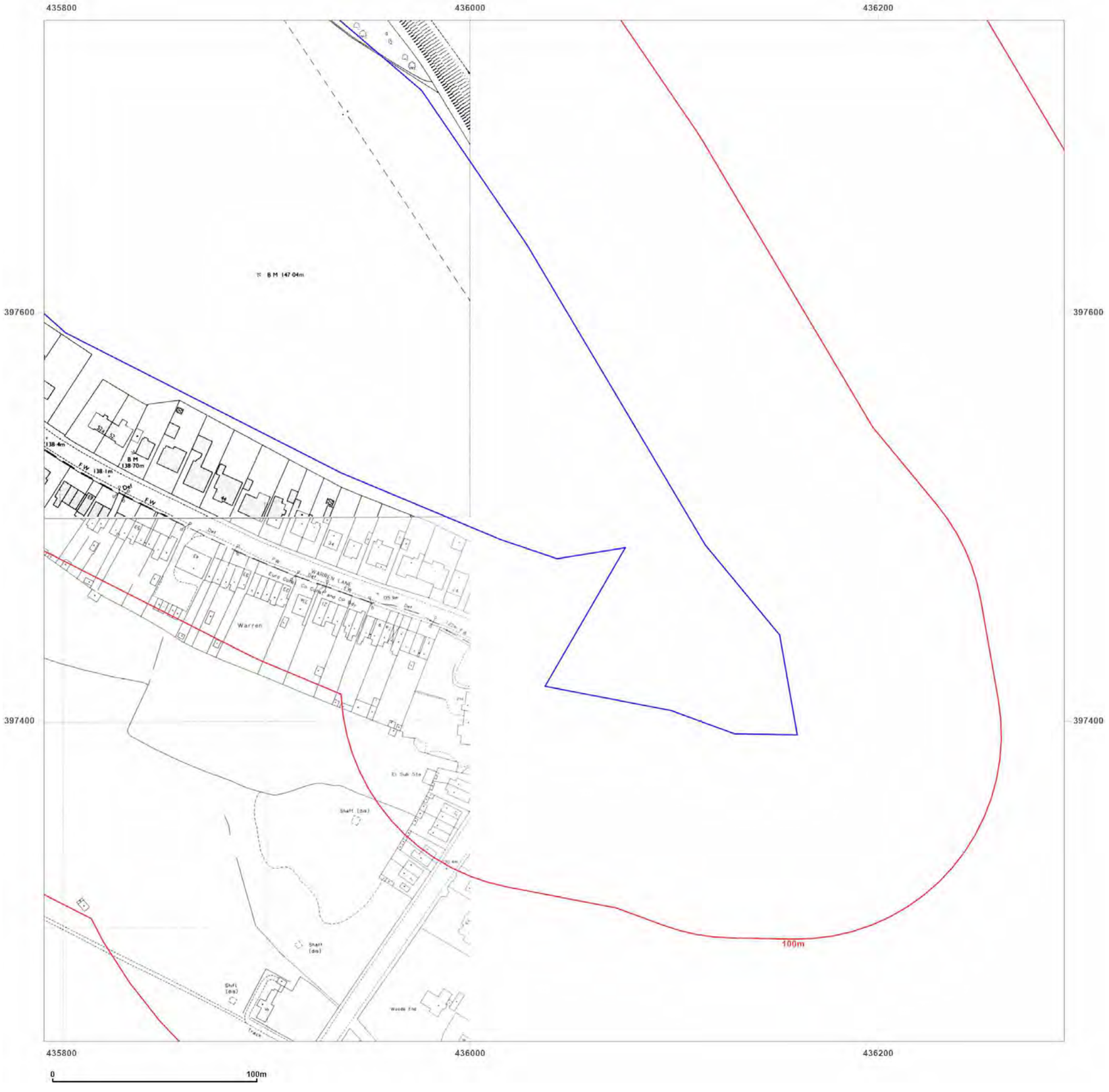

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_2_1
Grid Ref: 436041, 397493

Map Name: National Grid
Map date: **1991-1993**
Scale: 1:1,250
Printed at: 1:2,000

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Surveyed 1991
Revised 1991
Edition N/A
Copyright 1991
Levelled N/A

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

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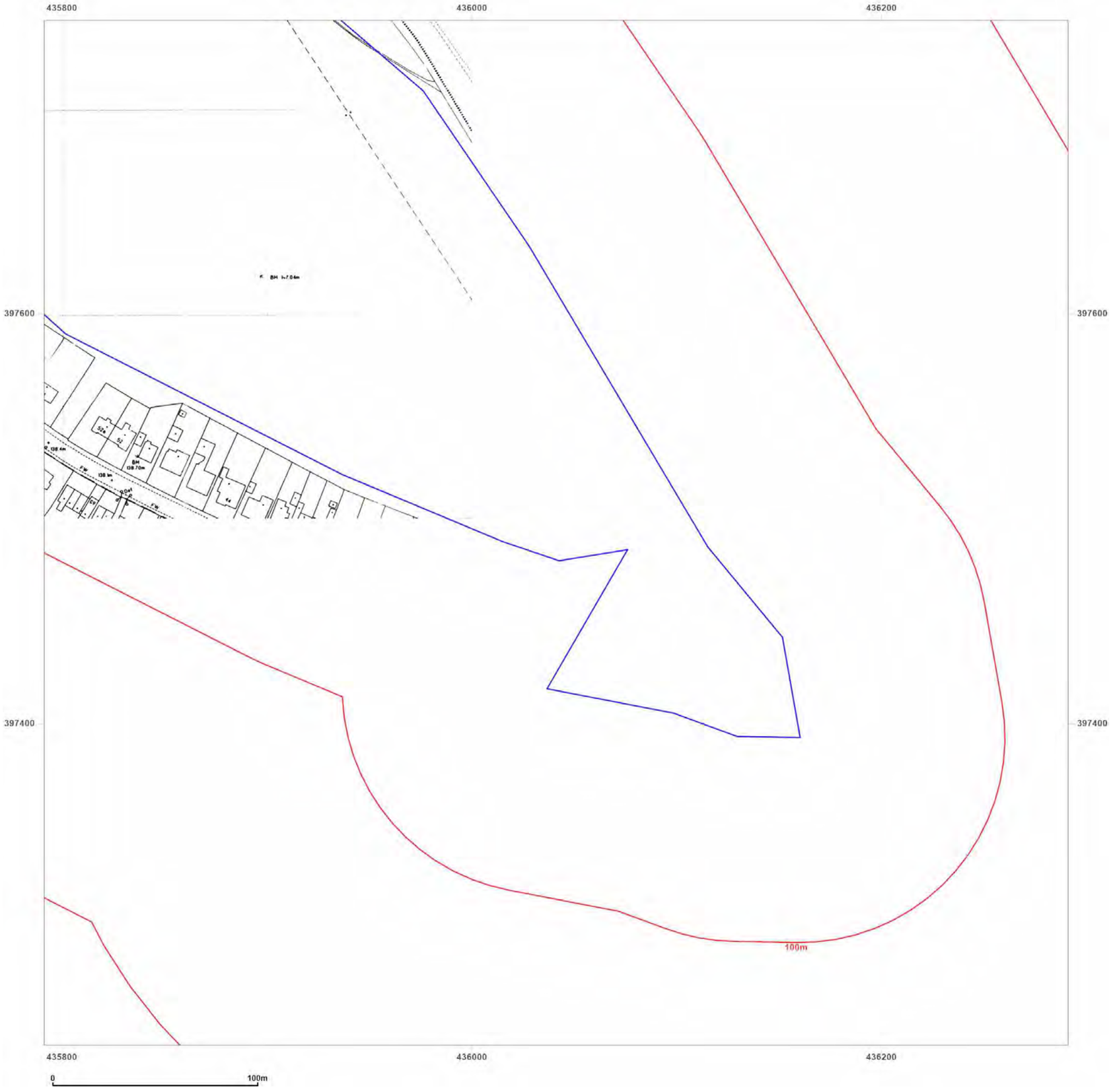

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_1250_2_1
Grid Ref: 436041, 397493

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

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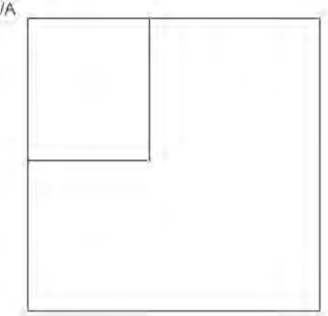
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A



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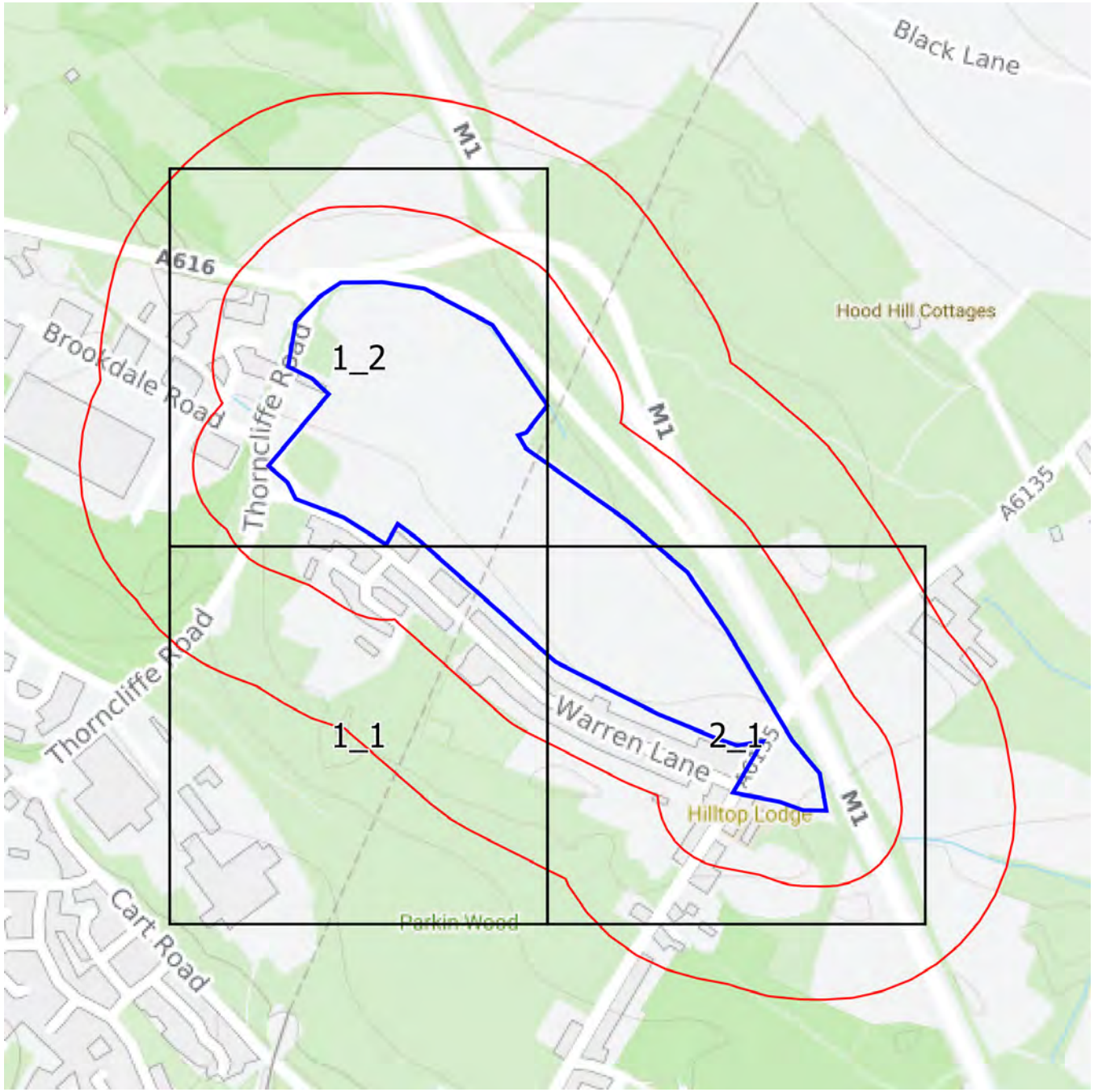
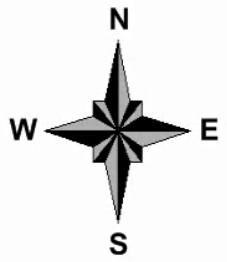


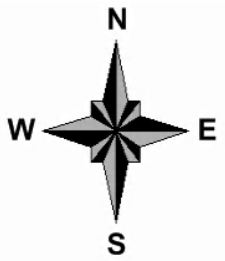
Groundsure INSIGHTS

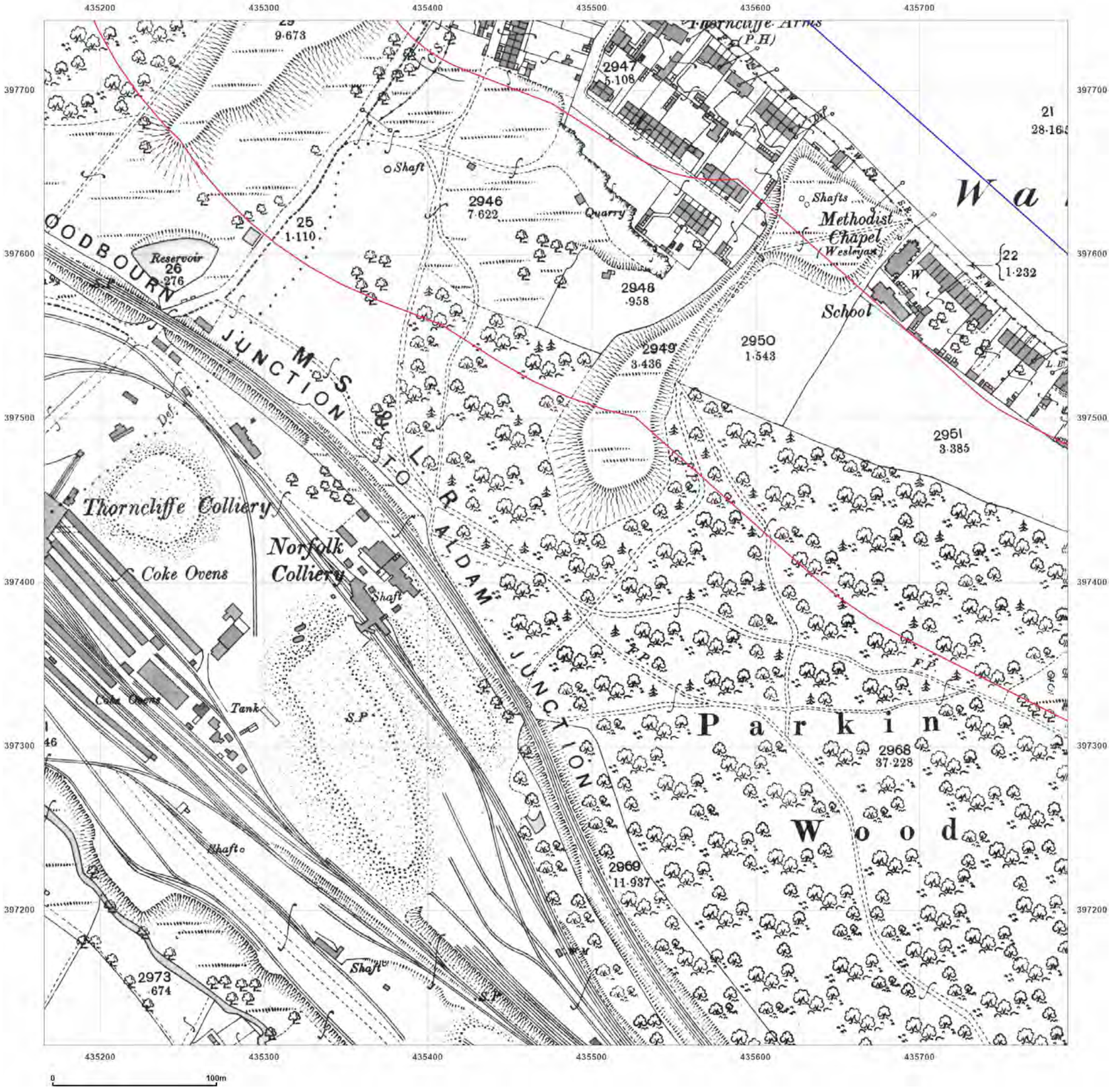
1:1,250 Scale Grid Index



Groundsure INSIGHTS

1:2,500 Scale Grid Index





Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_1
Grid Ref: 435478, 397430

Map Name: County Series

Map date: **1893**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 May 2025

Map legend available at:
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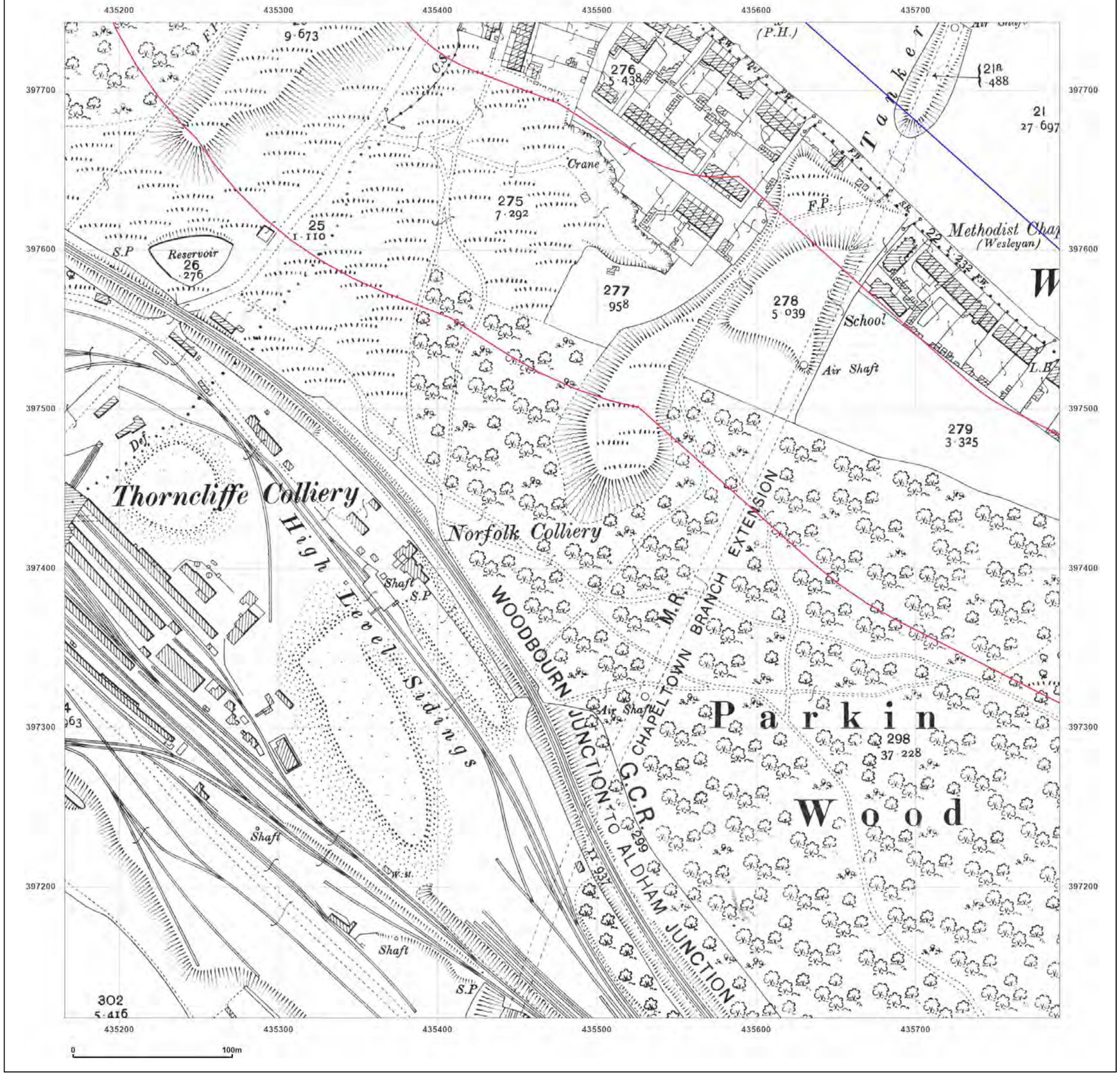

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_1
Grid Ref: 435478, 397430

Map Name: County Series
Map date: **1905**
Scale: 1:2,500
Printed at: 1:2,500

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

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Production date: 29 May 2025

Map legend available at:
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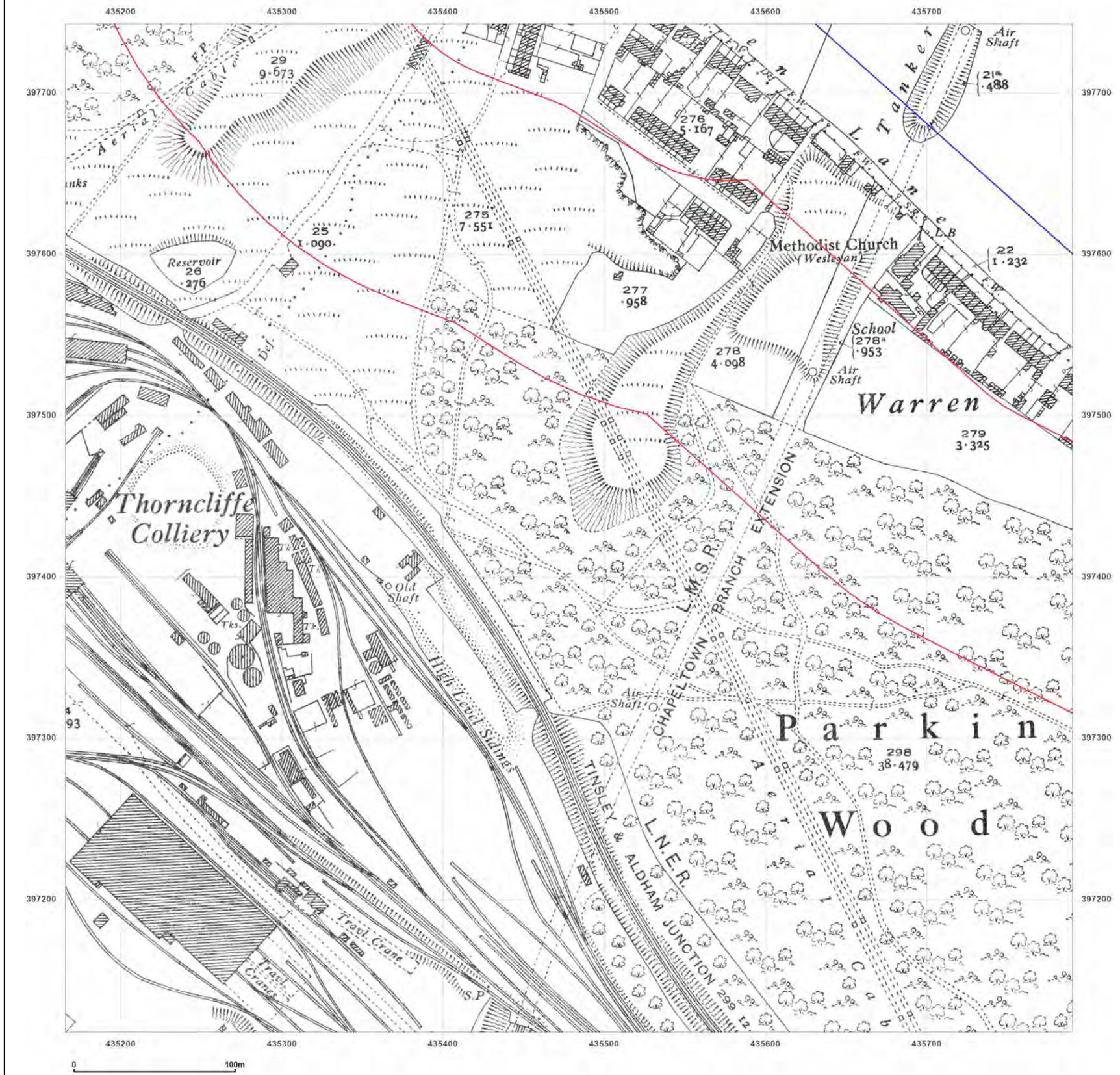

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_1
Grid Ref: 435478, 397430

Map Name: County Series

Map date: **1931**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 May 2025

Map legend available at:
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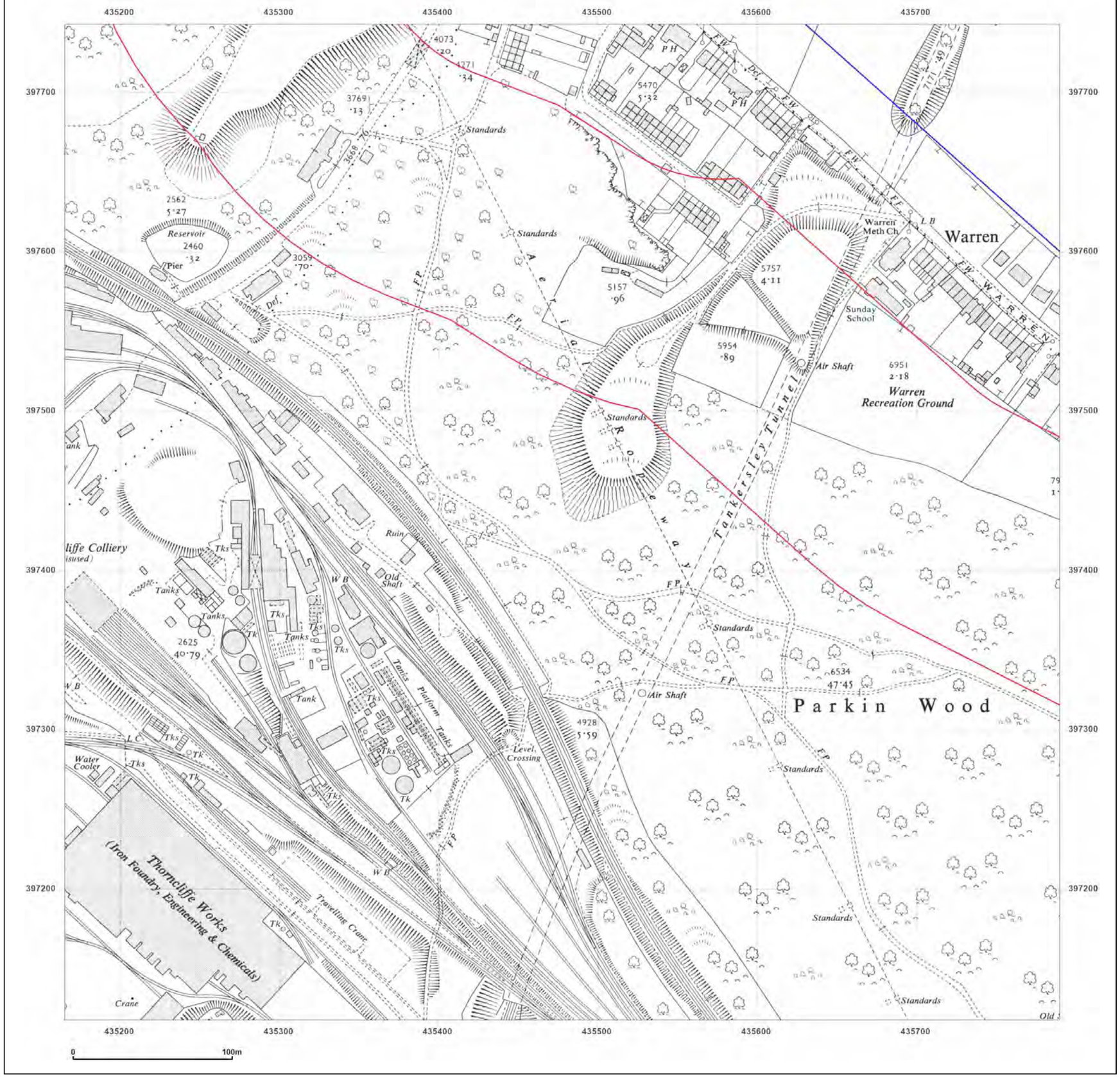

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_1
Grid Ref: 435478, 397430

Map Name: National Grid

Map date: **1956**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled 1930

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W: www.groundsure.com

Production date: 29 May 2025

Map legend available at:
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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_1
Grid Ref: 435478, 397430

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1973
Levelled 1963

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Production date: 29 May 2025

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_1
Grid Ref: 435478, 397430

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 May 2025

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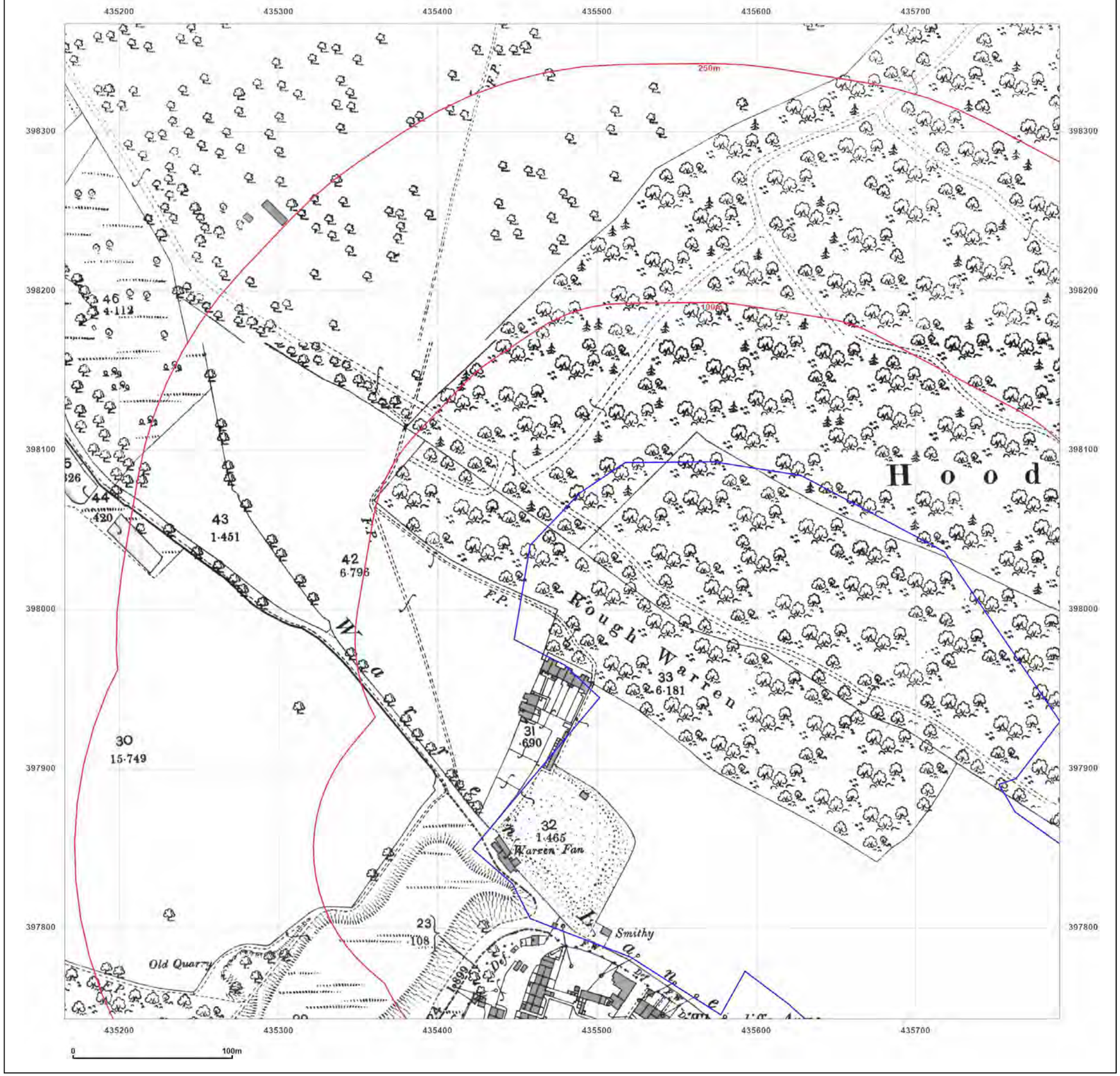

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: County Series

Map date: **1893**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 May 2025

Map legend available at:
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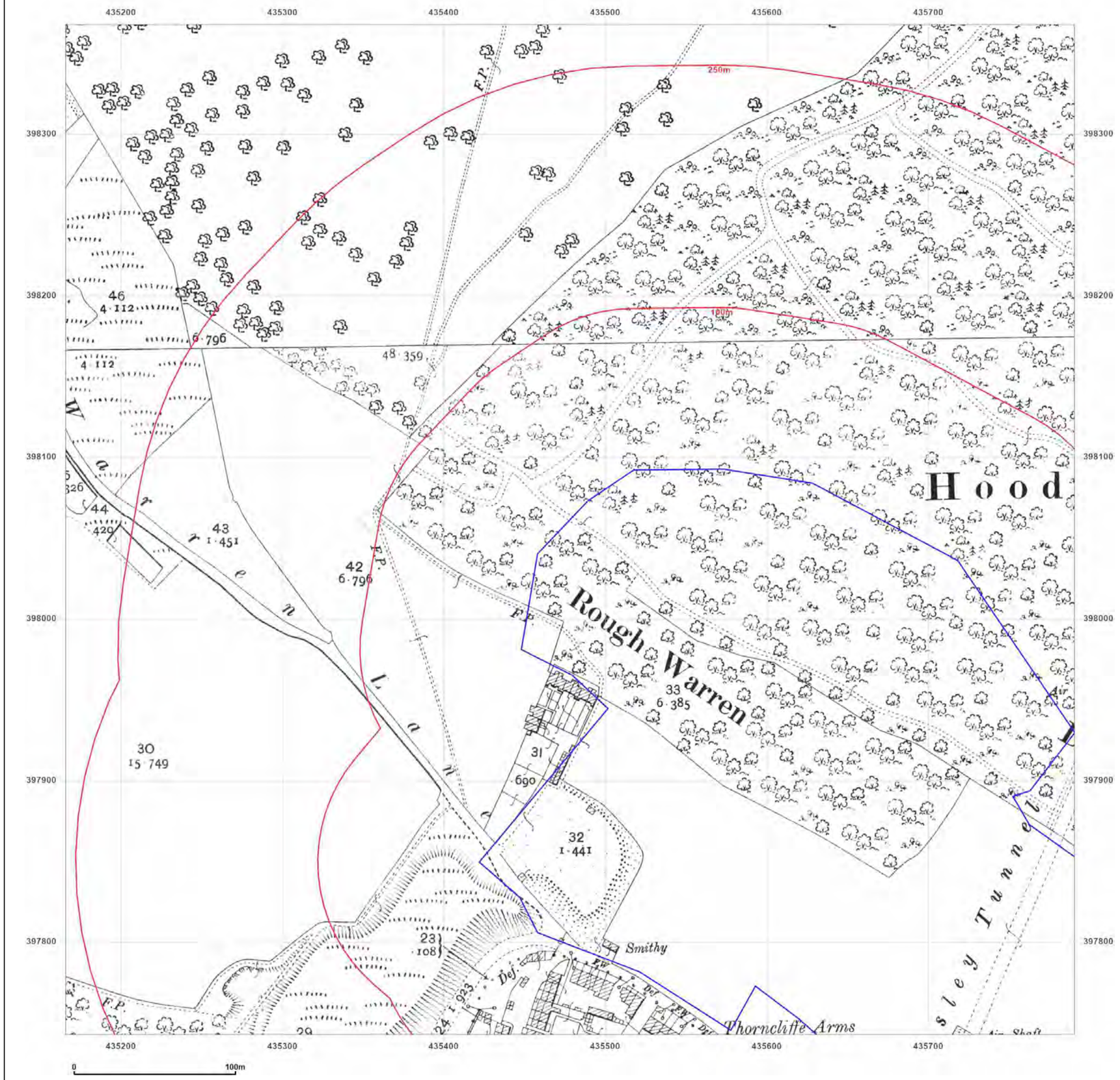

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: County Series

Map date: **1905**

Scale: 1:2,500

Printed at: 1:2,500

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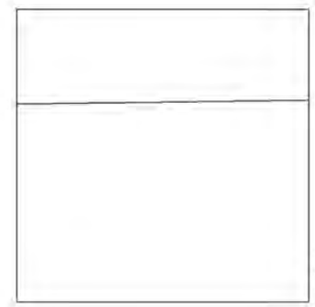

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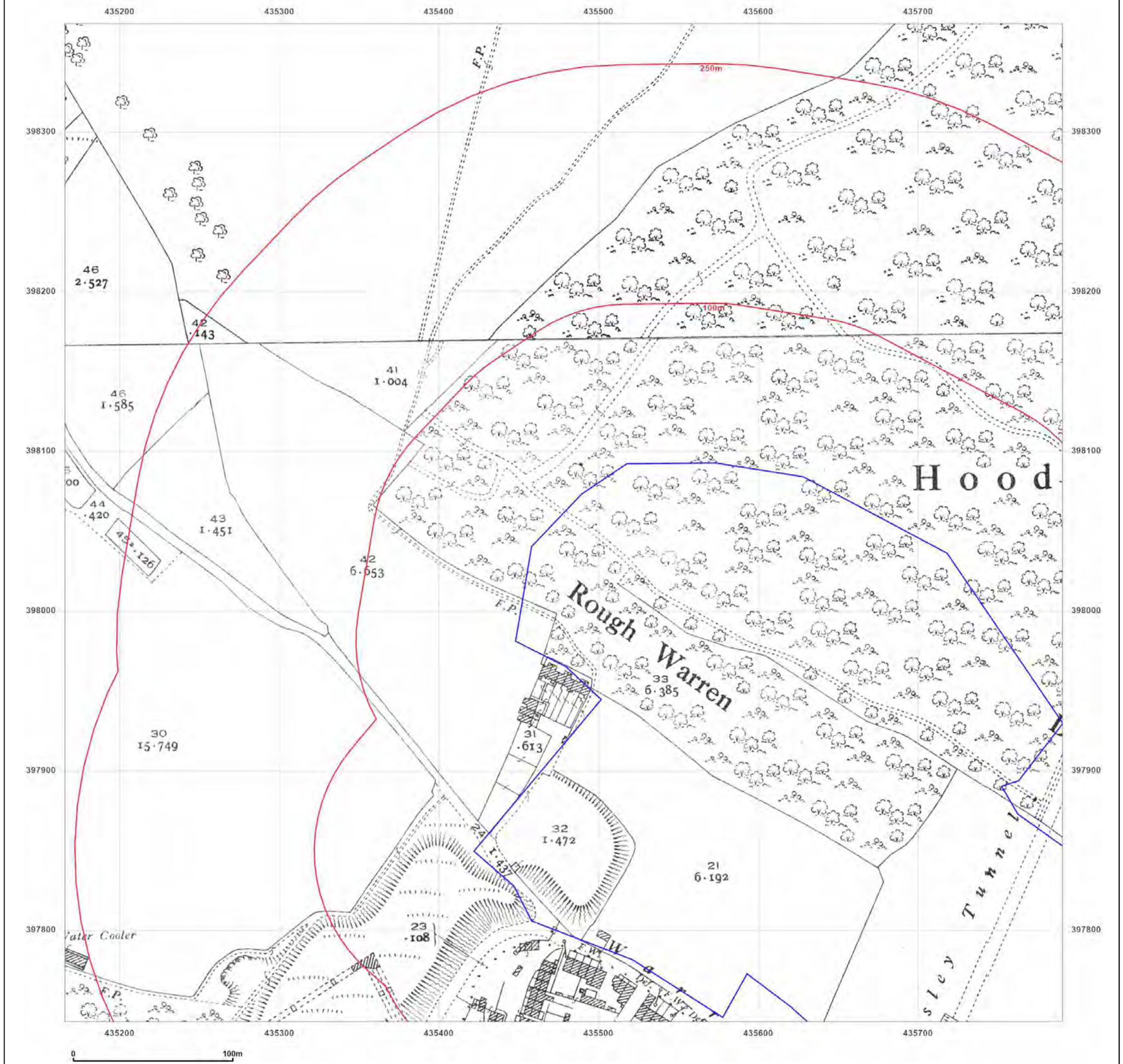

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: County Series
Map date: **1931**
Scale: 1:2,500
Printed at: 1:2,500

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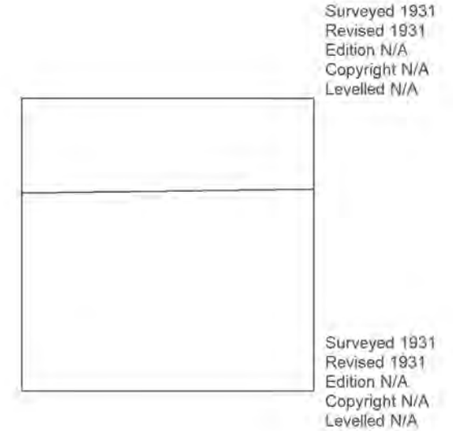

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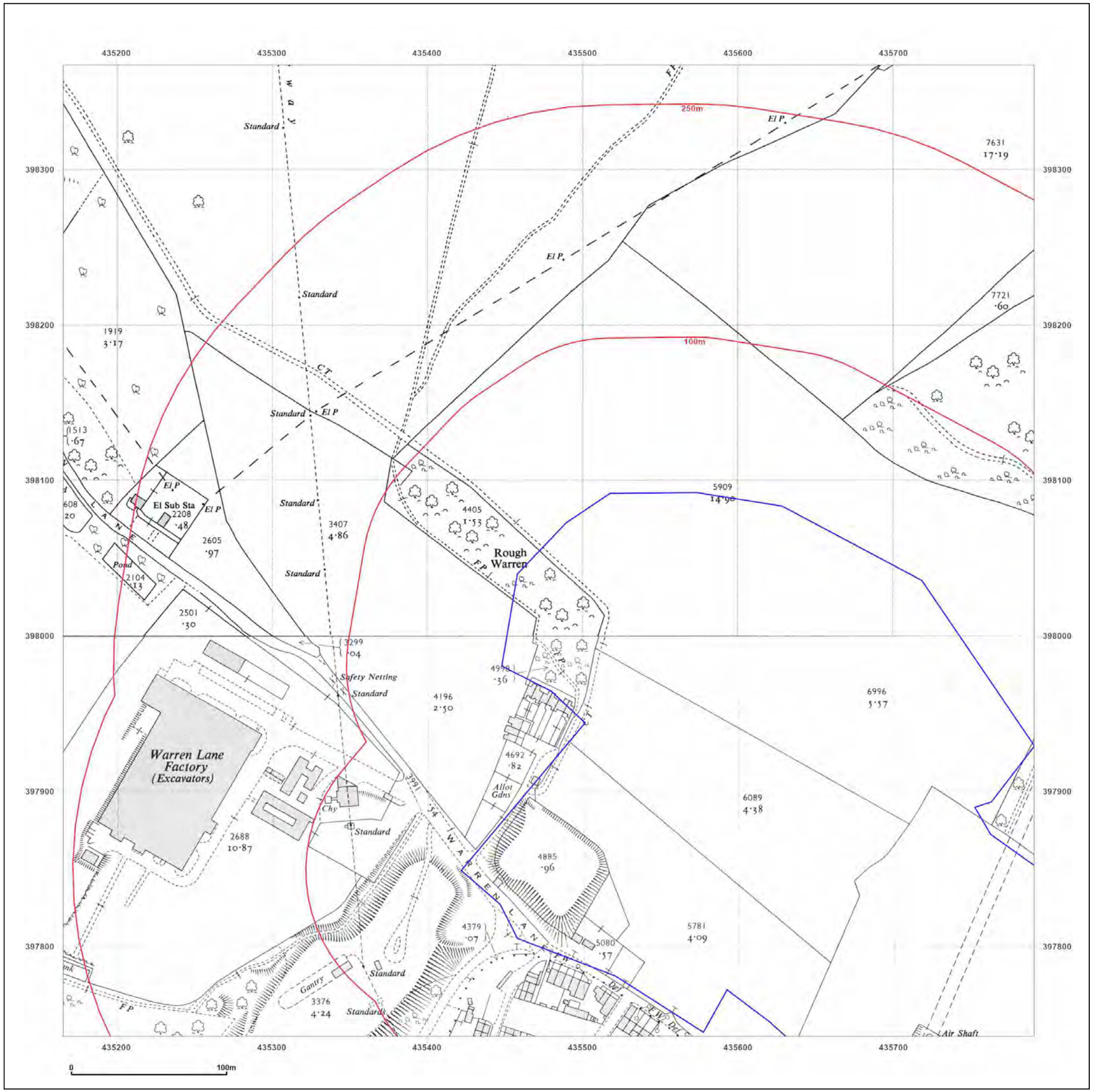

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: National Grid

Map date: **1956**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled 1930

Surveyed 1956
Revised 1956
Edition N/A
Copyright N/A
Levelled 1930

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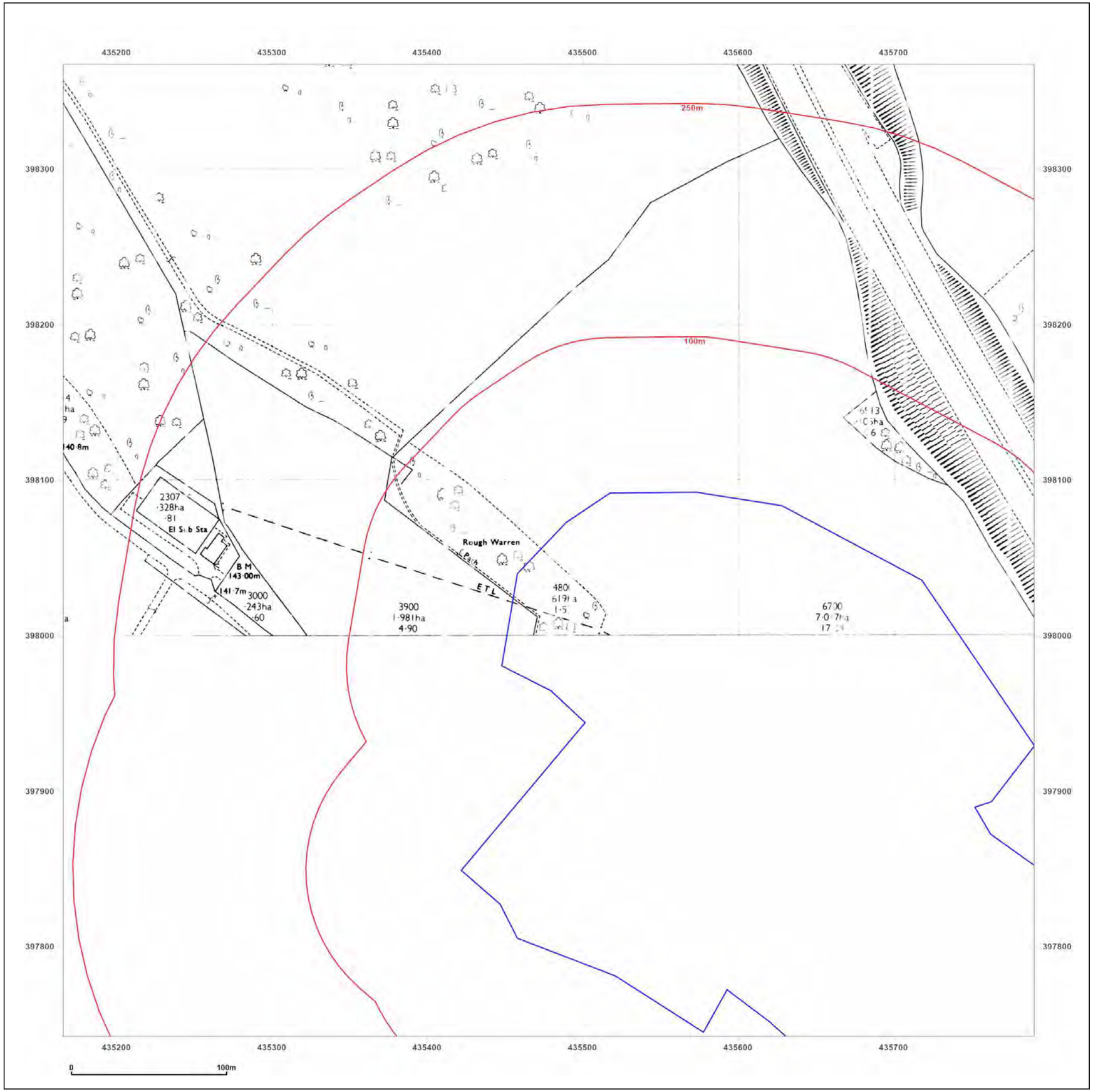

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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

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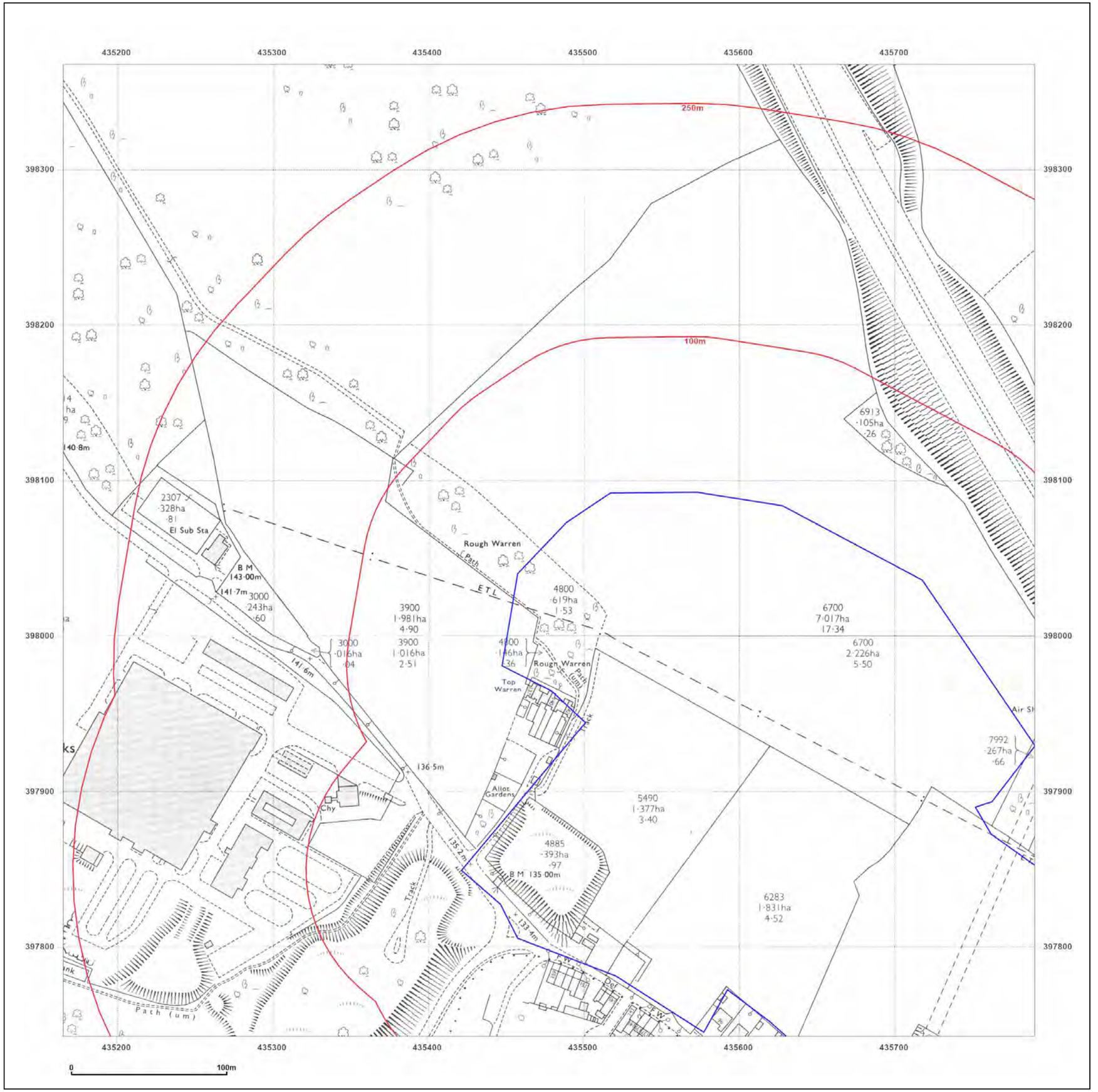

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1972
Revised 1972
Edition N/A
Copyright 1973
Levelled 1963

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1973
Levelled 1963

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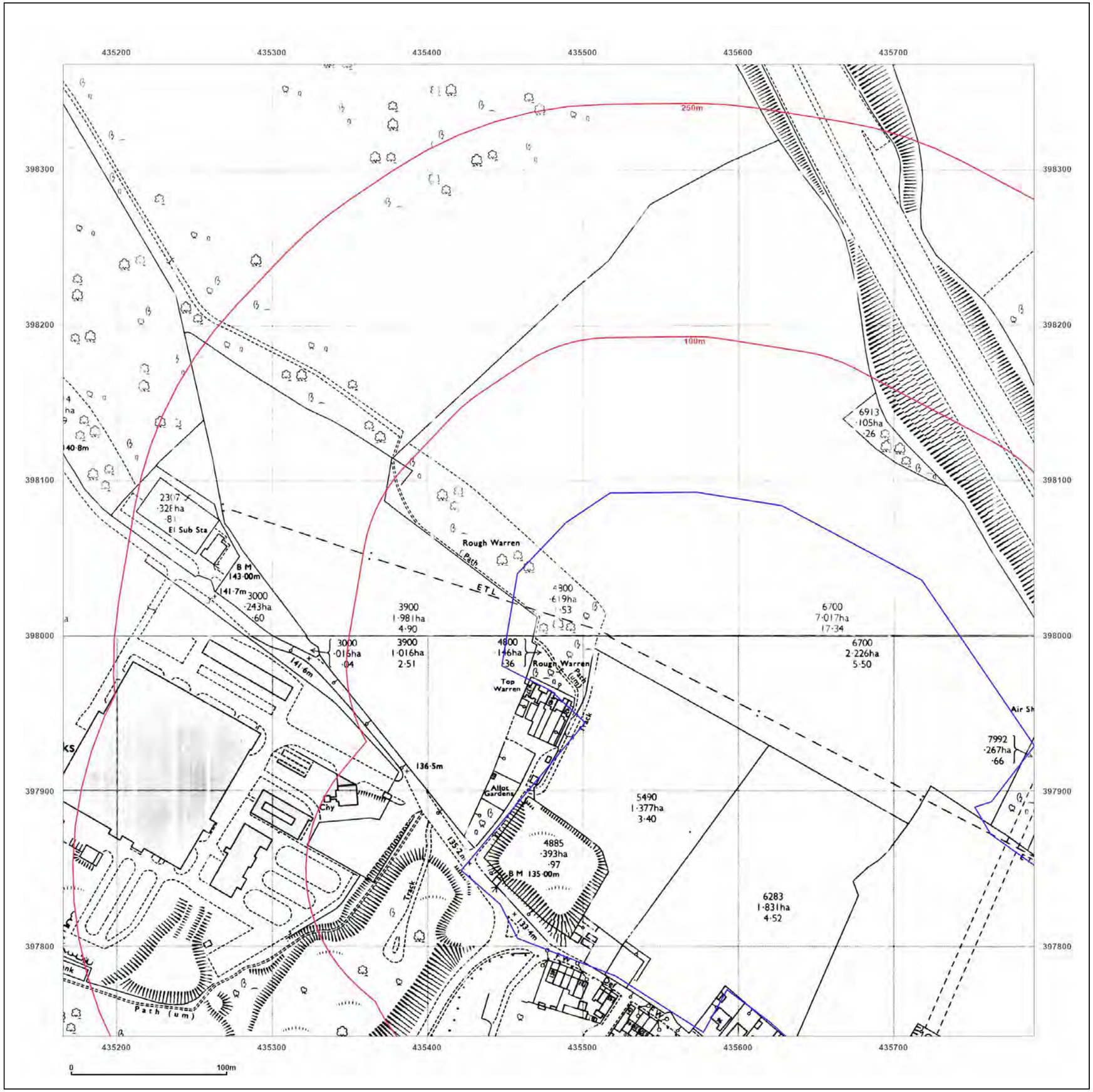

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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

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

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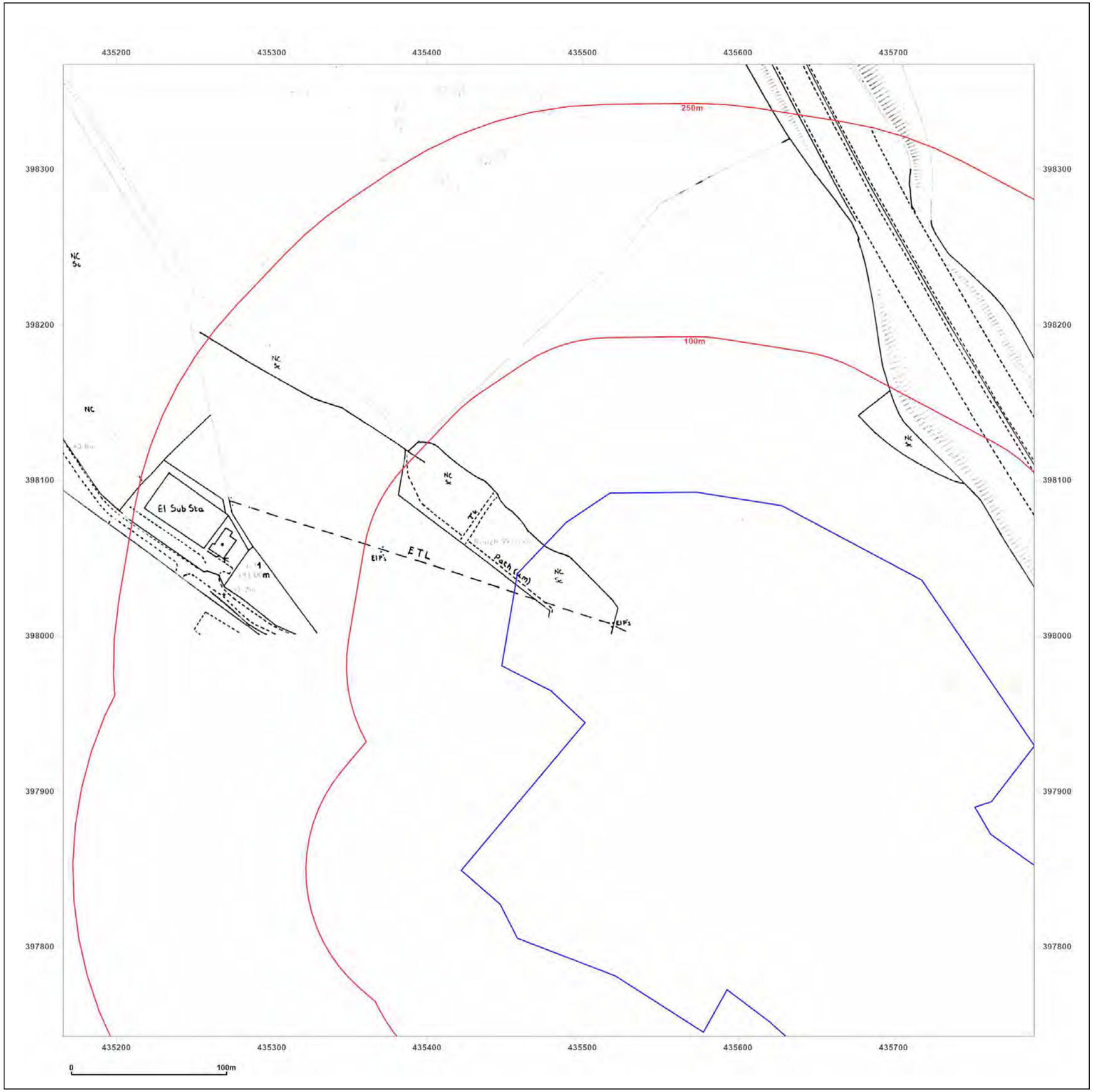

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: National Grid

Map date: **1983**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1983
Levelled 1963

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: National Grid

Map date: **1991**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed N/A
Revised 1989
Edition N/A
Copyright 1991
Levelled N/A

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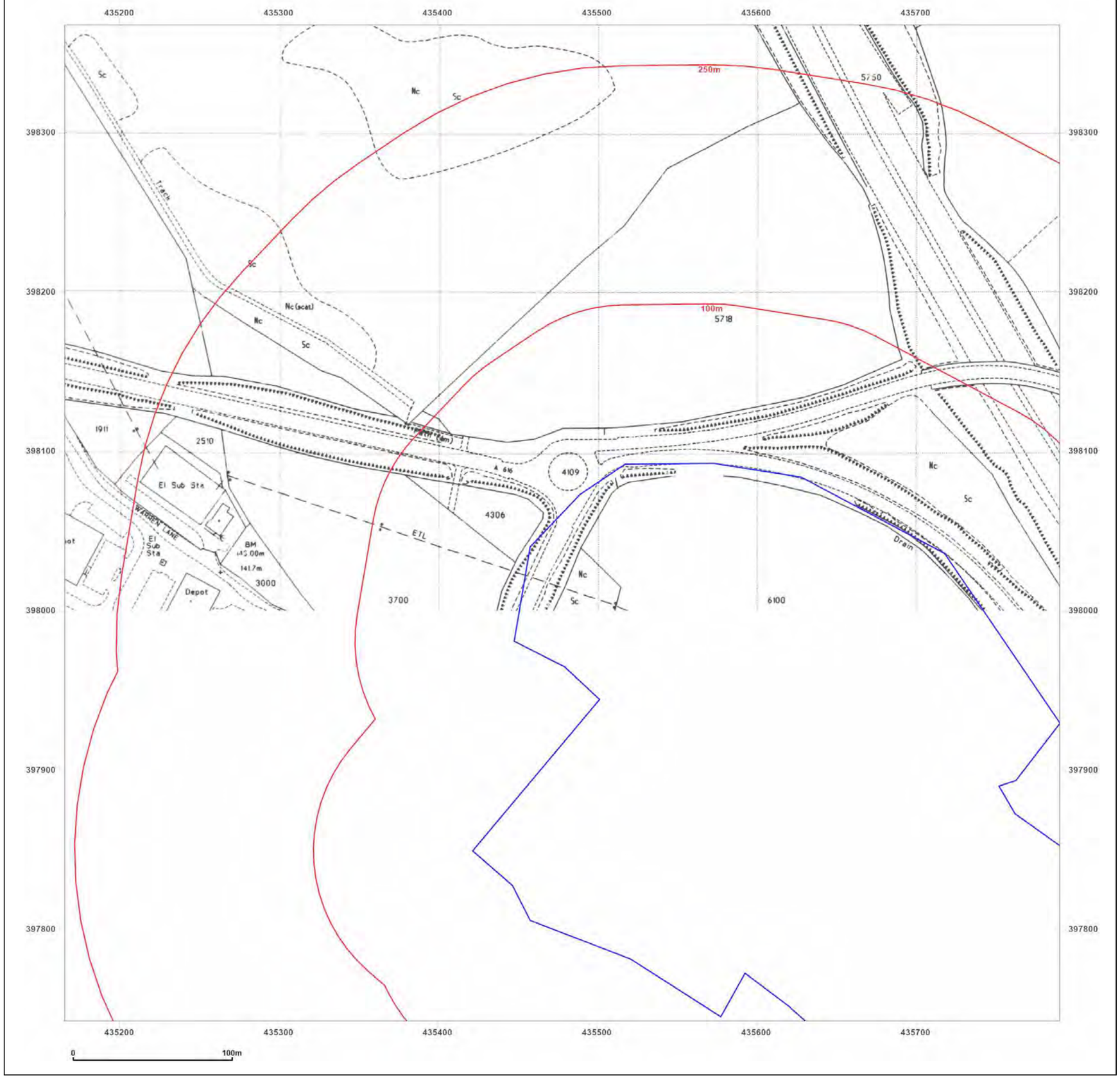

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_1_2
Grid Ref: 435478, 398055

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 29 May 2025

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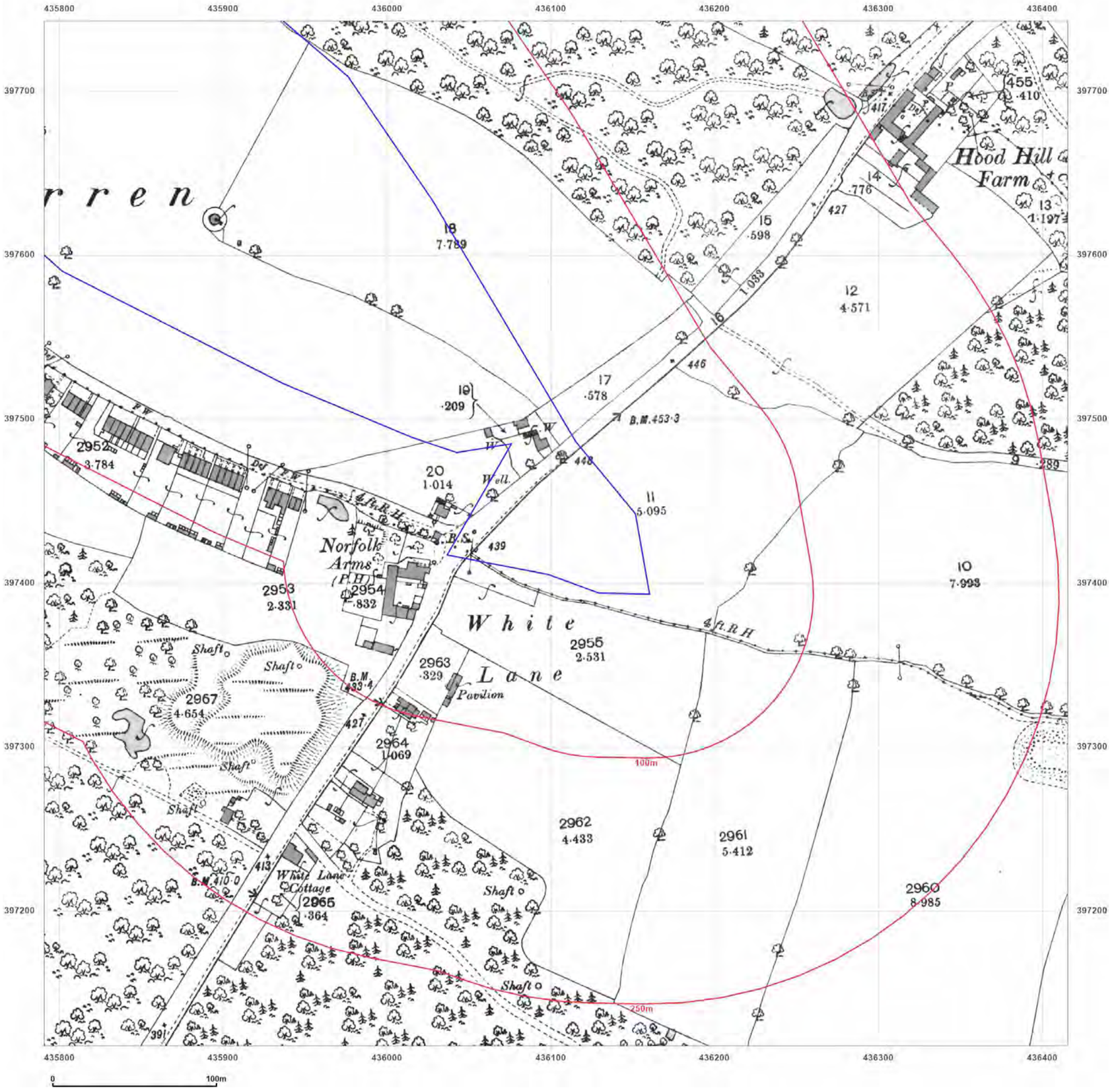

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: County Series

Map date: **1893**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

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Production date: 29 May 2025

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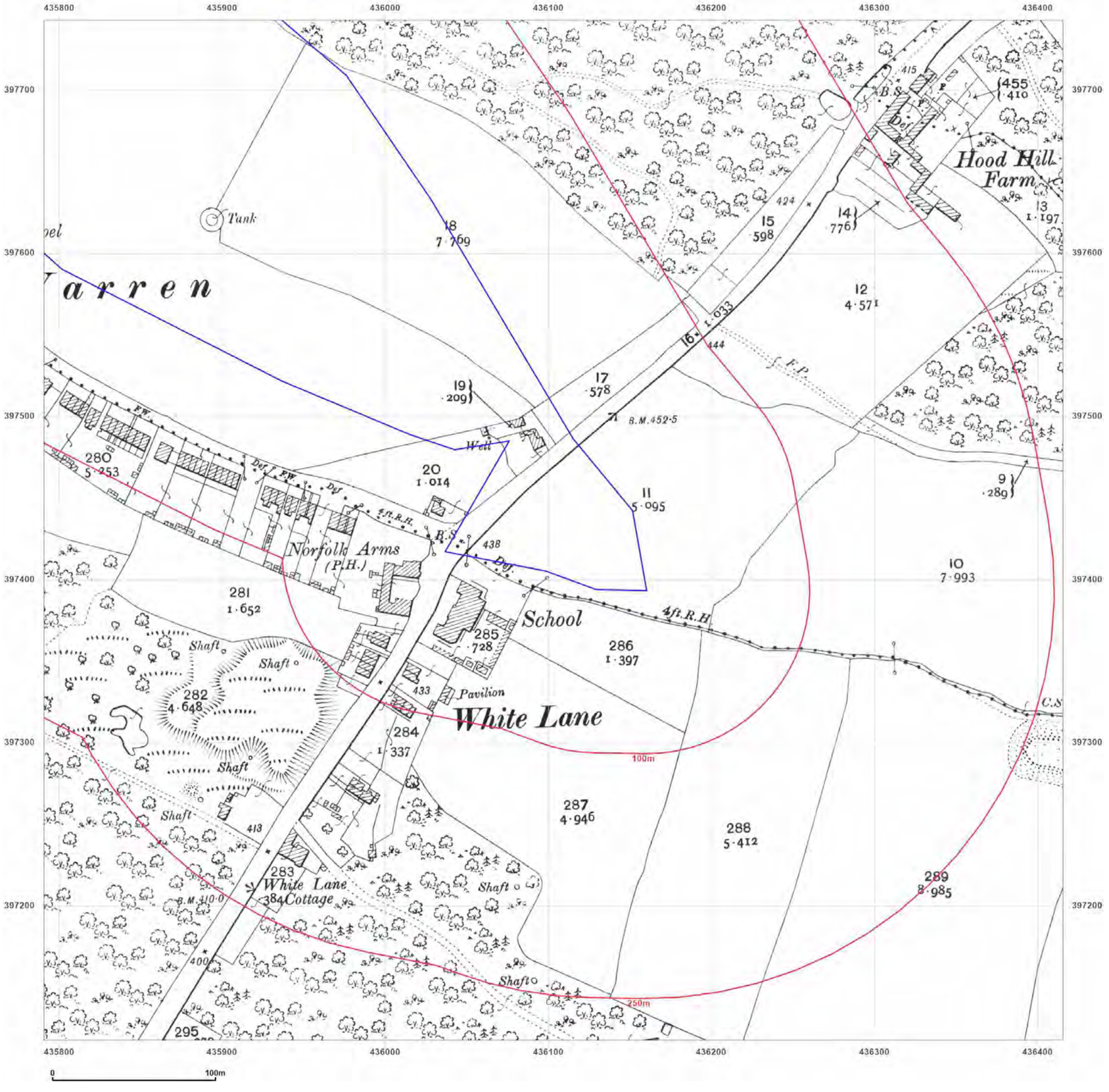

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: County Series

Map date: **1905**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1905
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

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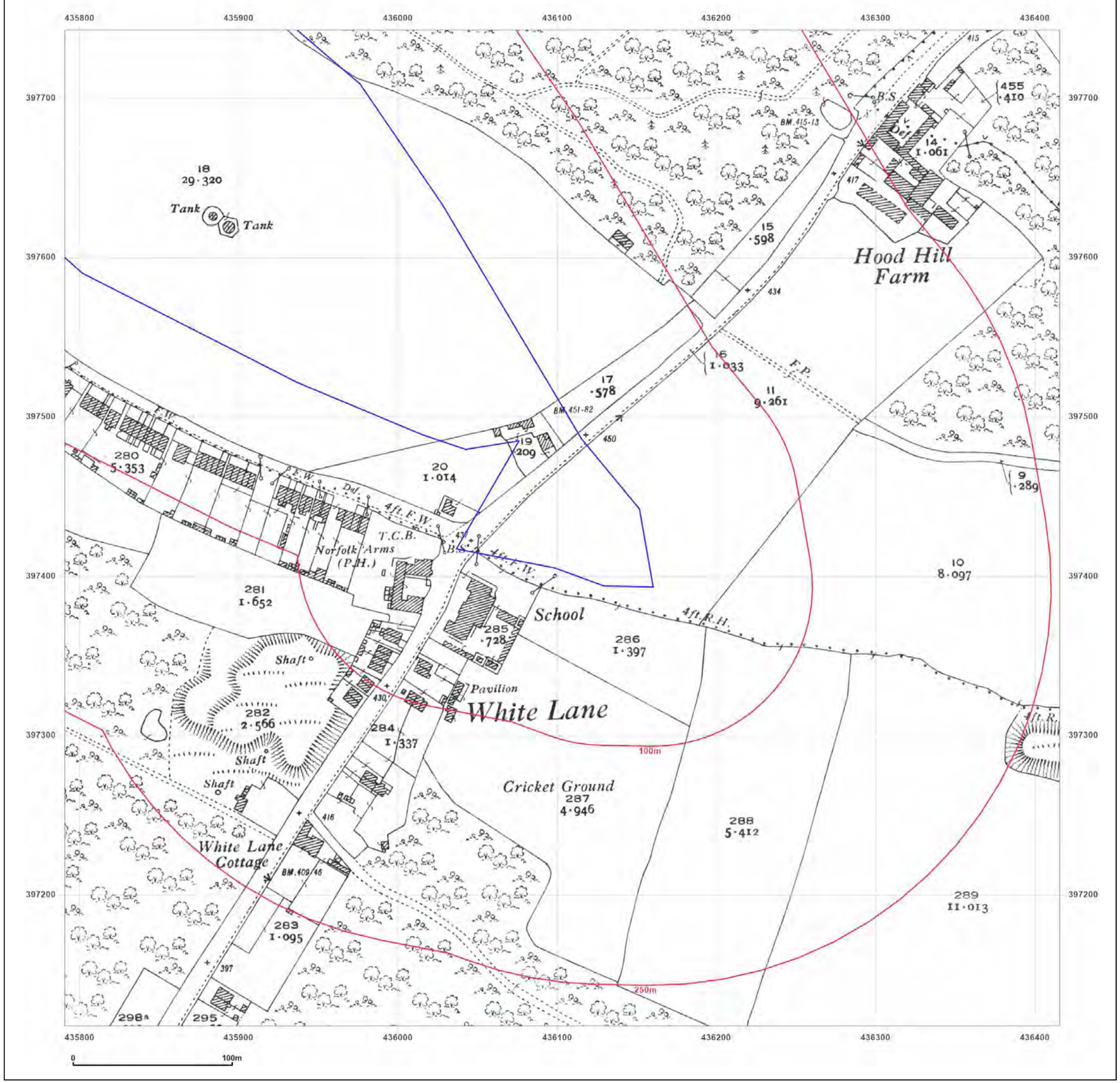

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: County Series

Map date: **1931**

Scale: 1:2,500

Printed at: 1:2,500

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

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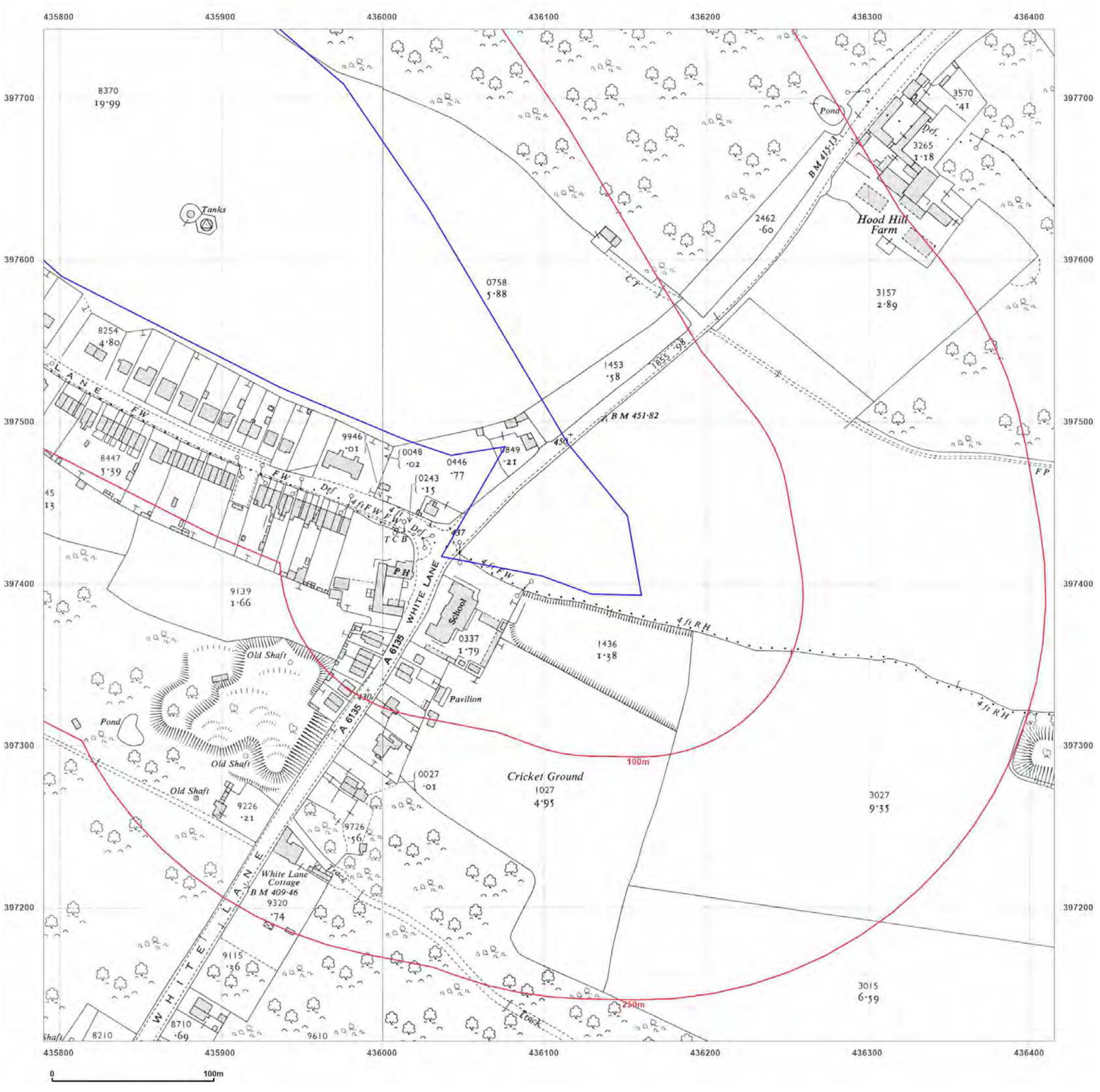

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: National Grid

Map date: **1956**

Scale: 1:2,500

Printed at: 1:2,500

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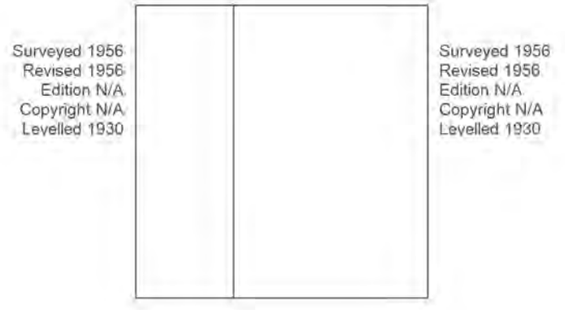

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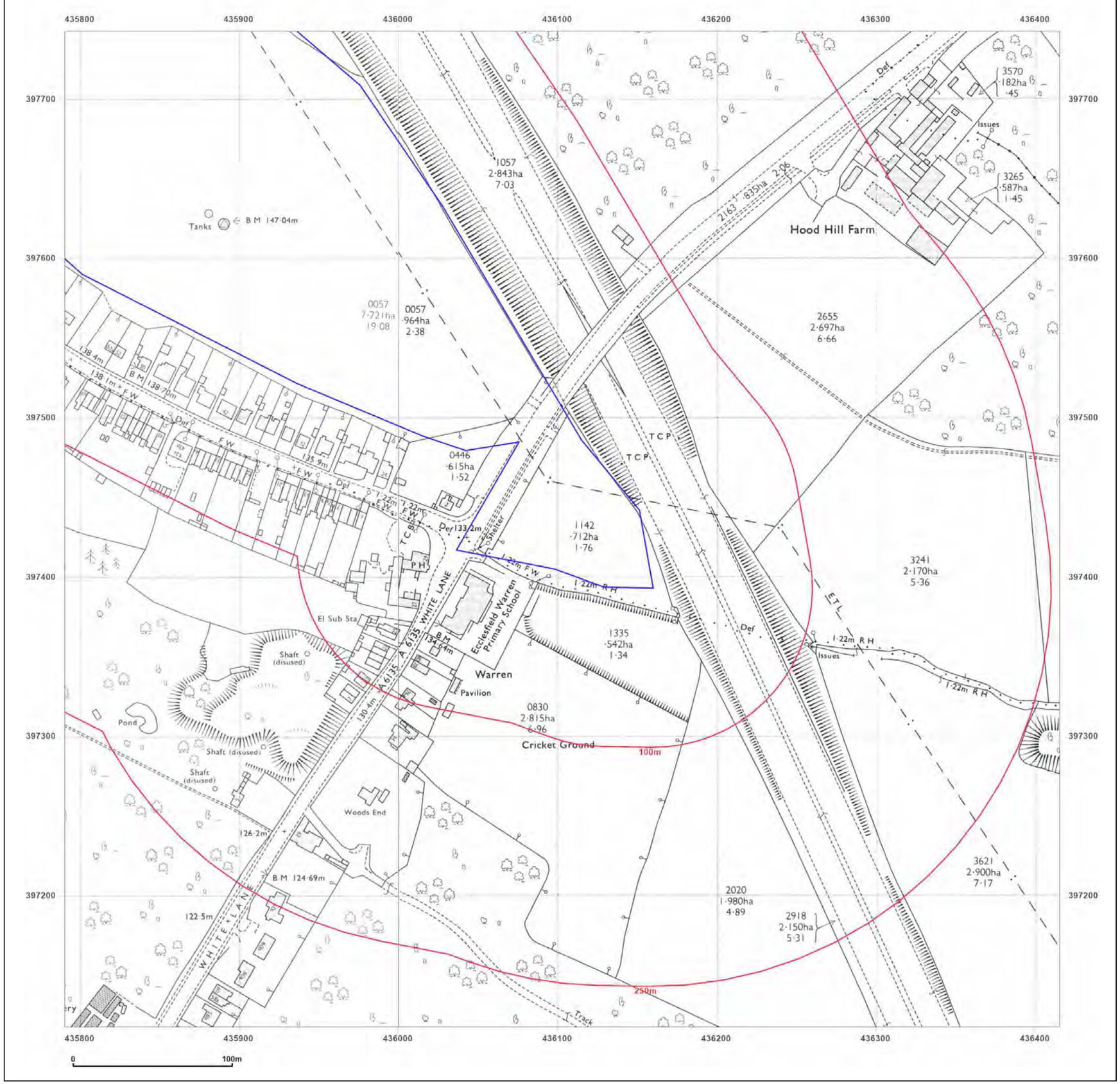

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: National Grid

Map date: **1972-1973**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1973
Revised 1973
Edition N/A
Copyright 1973
Levelled 1963

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1963

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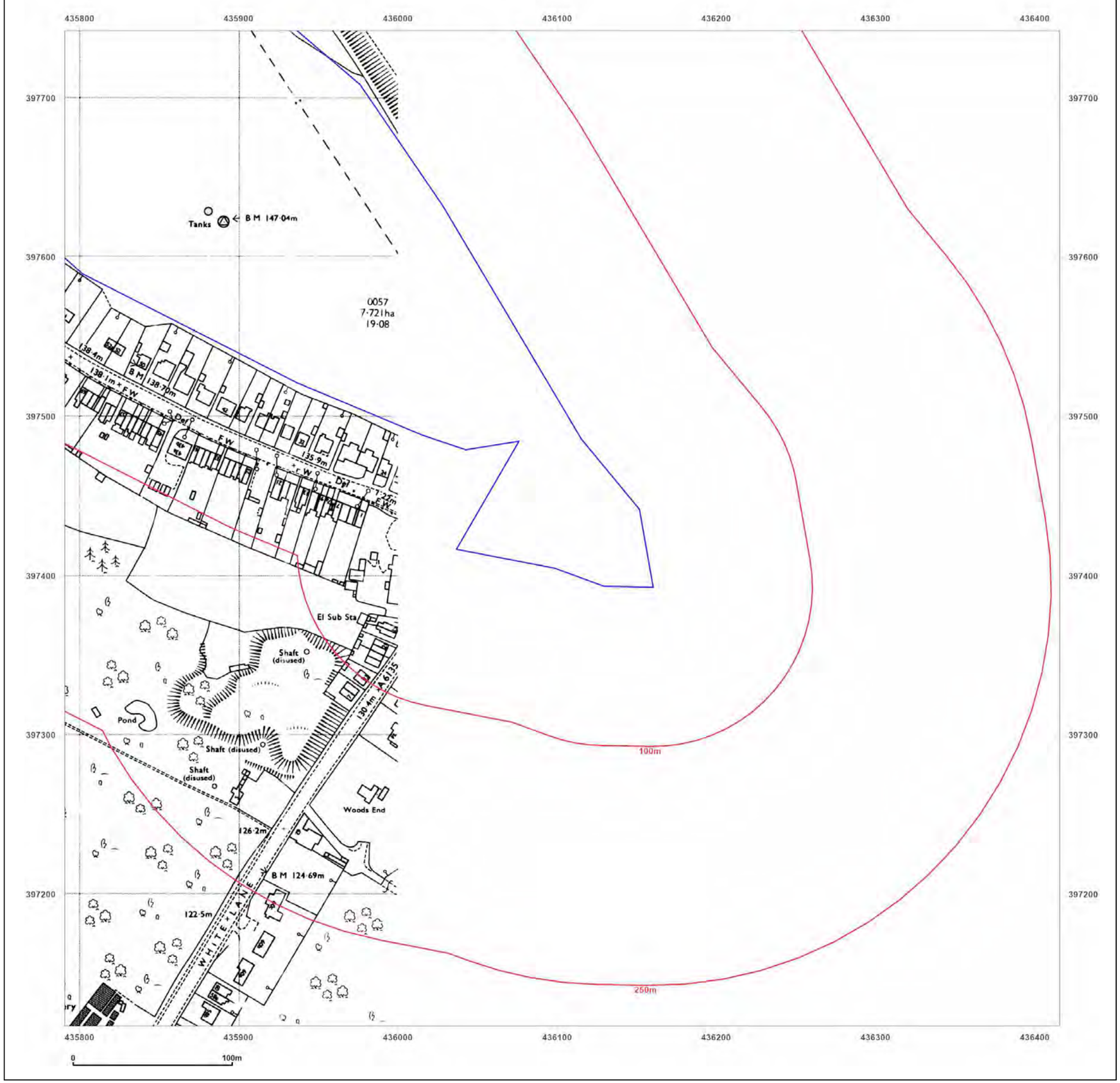

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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

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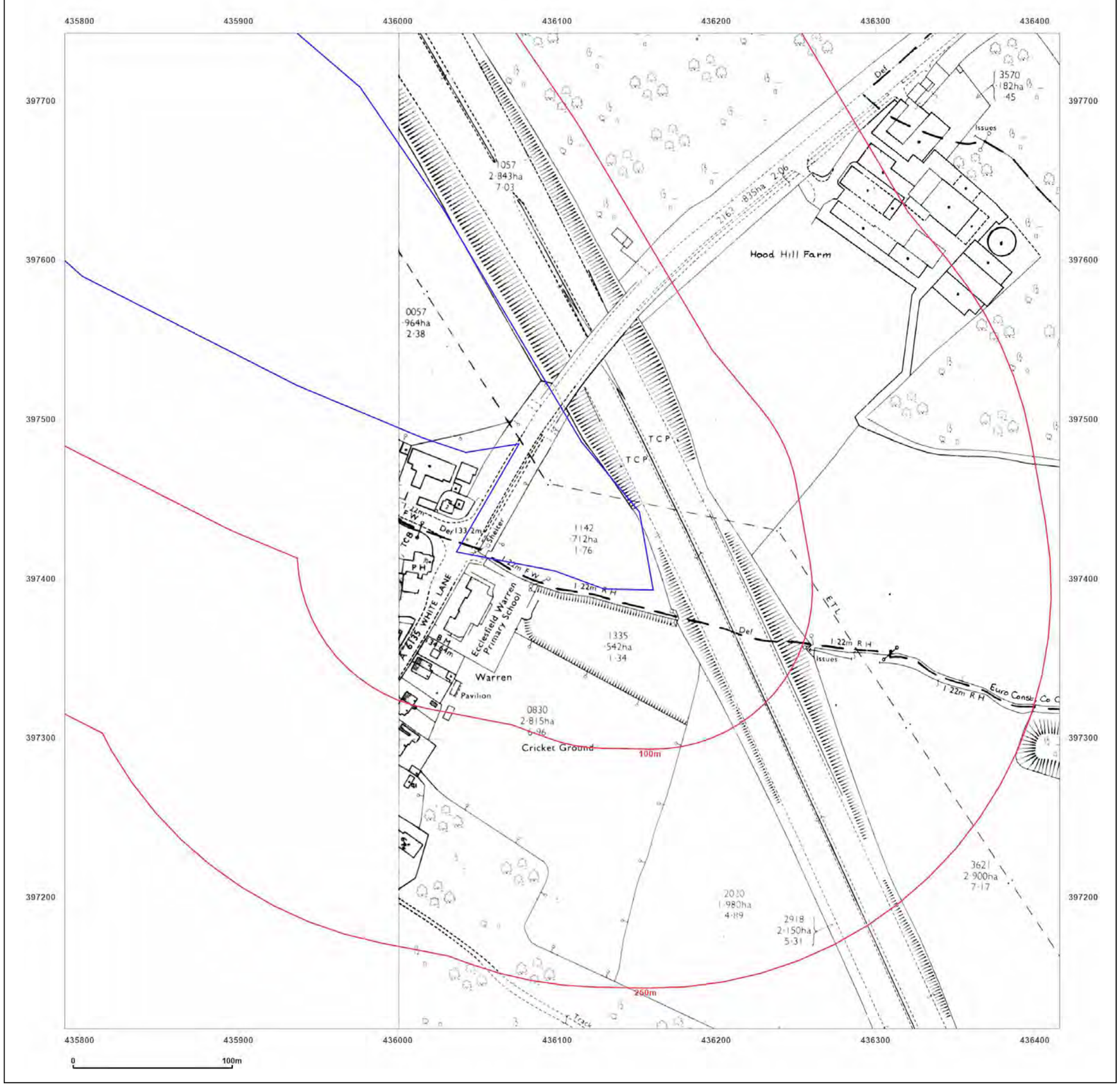

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: National Grid
Map date: **1990**
Scale: 1:2,500
Printed at: 1:2,500

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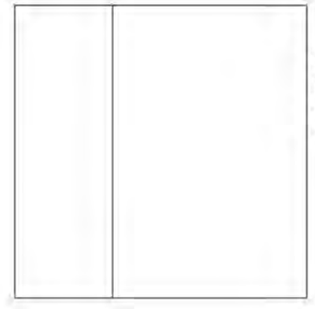

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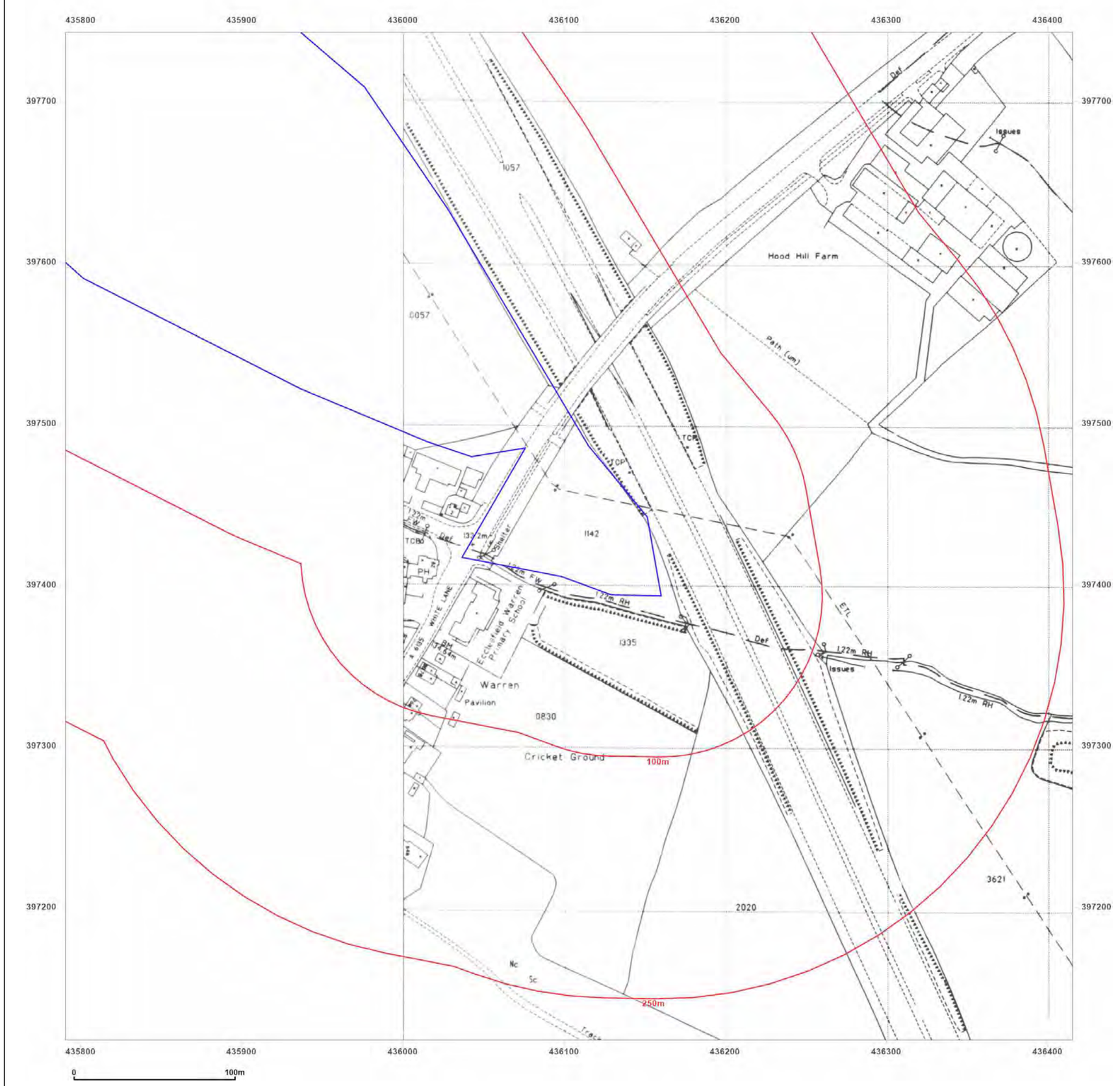

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_1
Grid Ref: 436103, 397430

Map Name: National Grid
Map date: **1993**
Scale: 1:2,500
Printed at: 1:2,500

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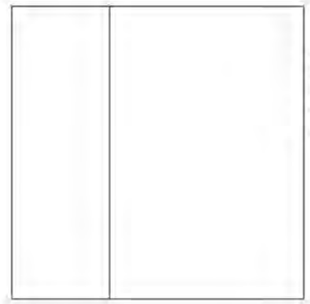

Surveyed 1993
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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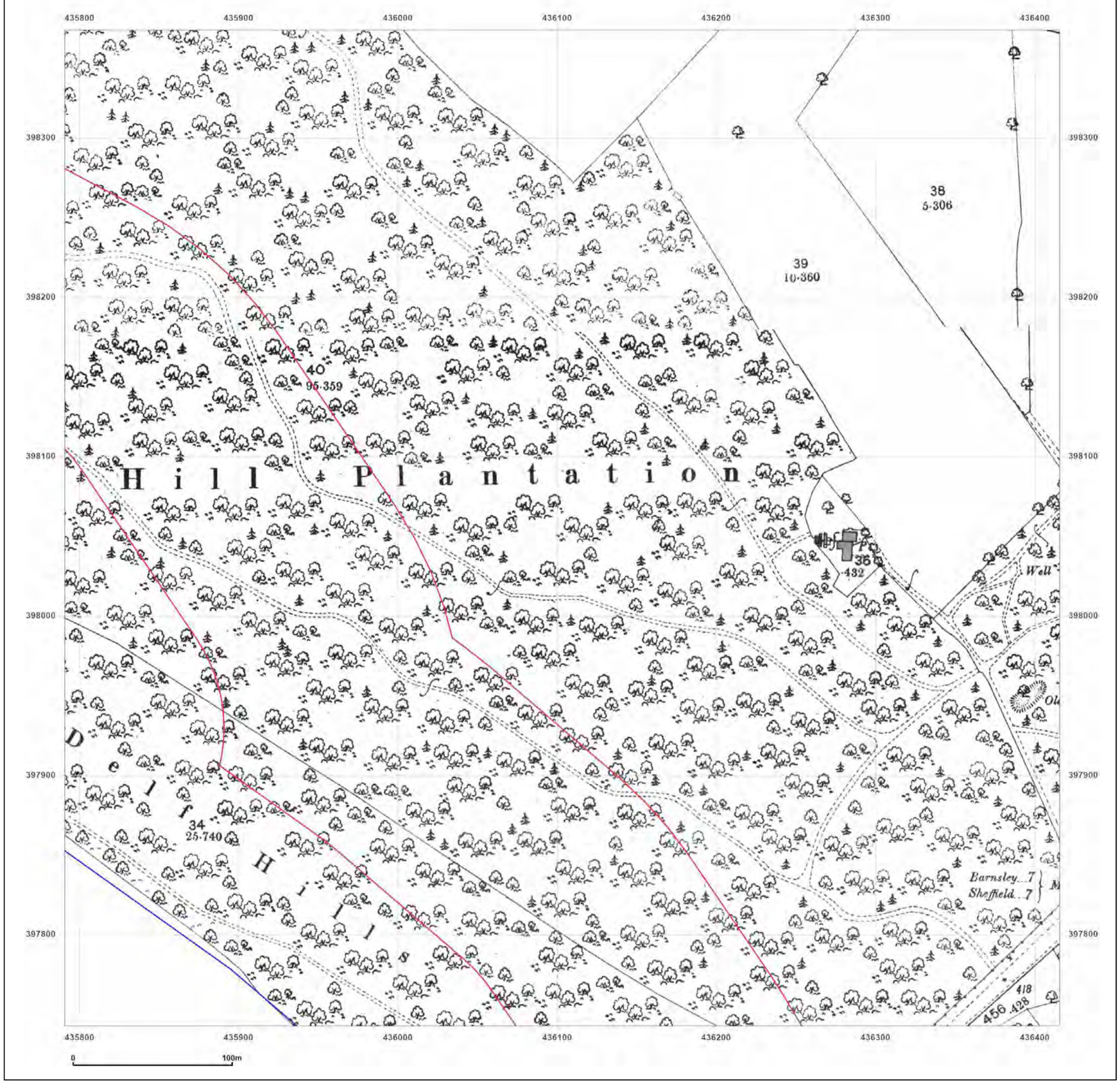

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: County Series

Map date: **1893**

Scale: 1:2,500

Printed at: 1:2,500

N
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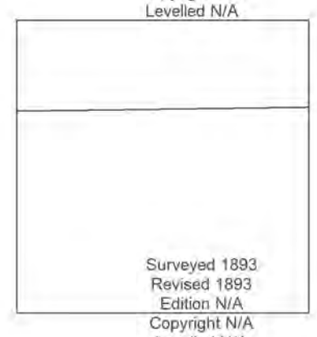
Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1893
Revised 1893
Edition N/A
Copyright N/A
Levelled N/A

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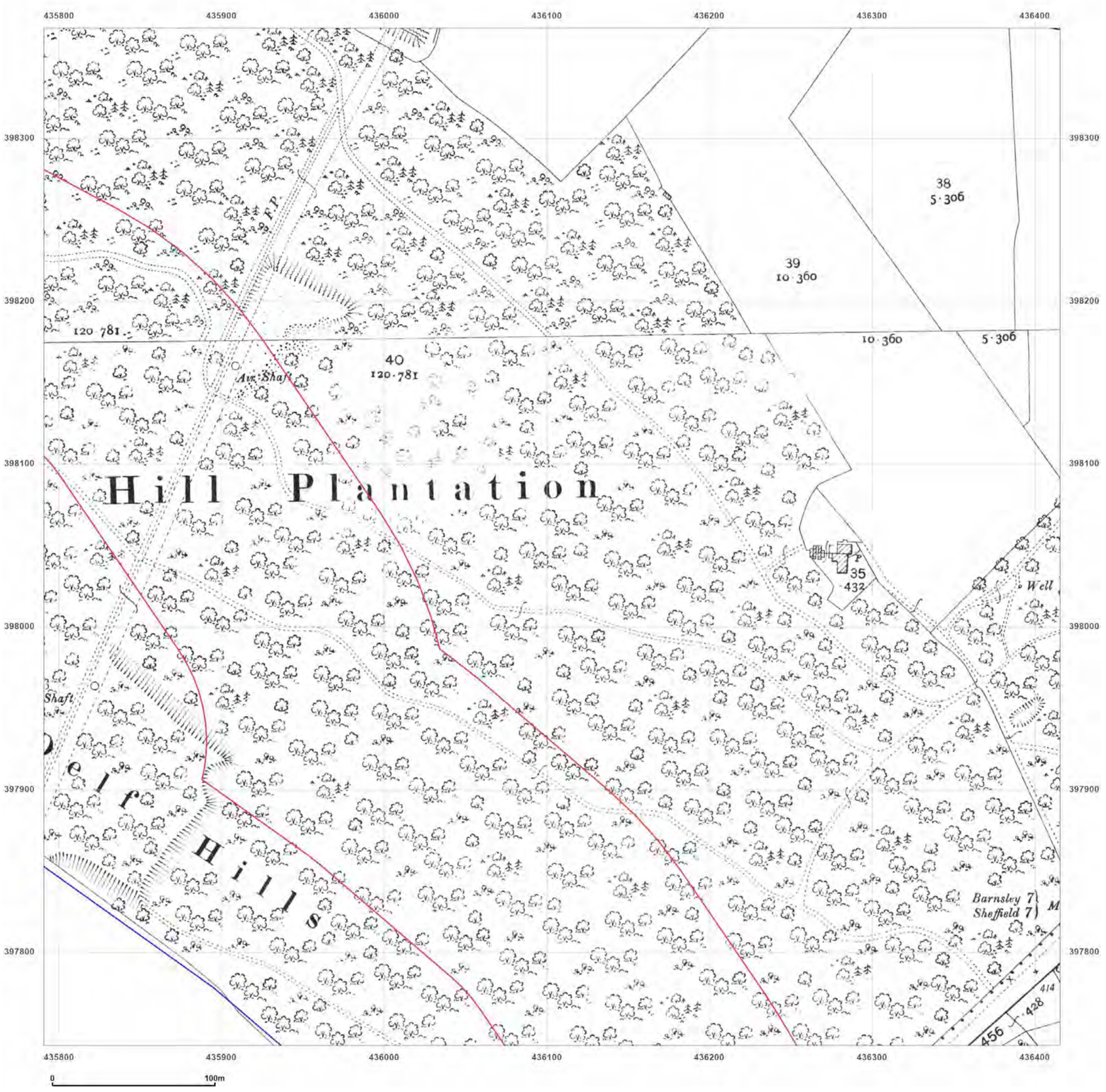

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: County Series

Map date: **1905**

Scale: 1:2,500

Printed at: 1:2,500

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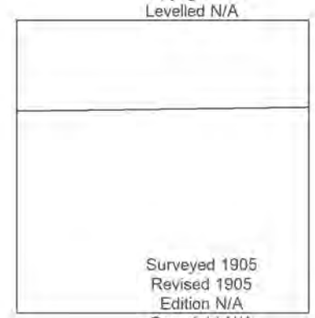
Surveyed 1905
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A



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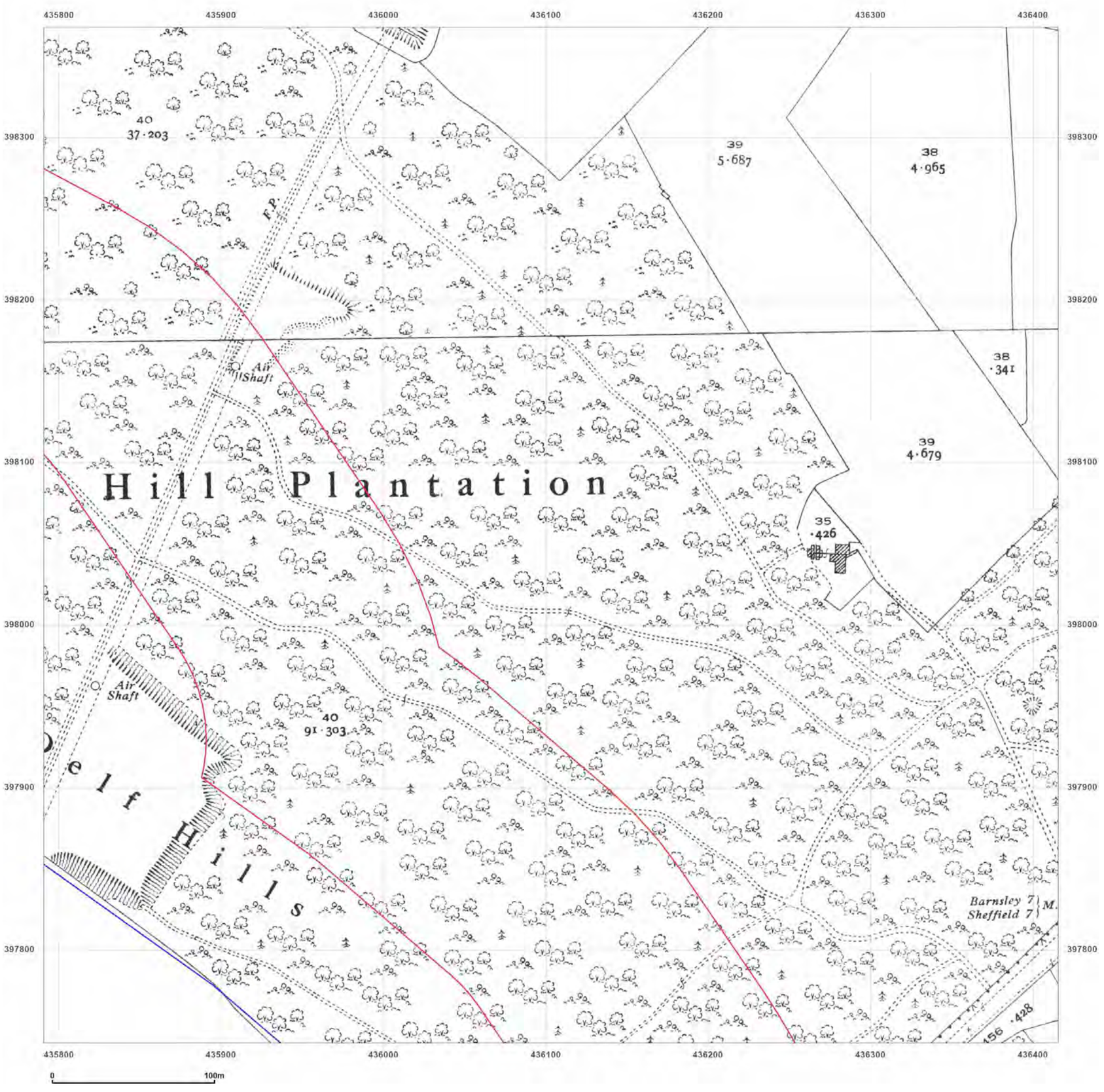

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: County Series
Map date: **1931**
Scale: 1:2,500
Printed at: 1:2,500

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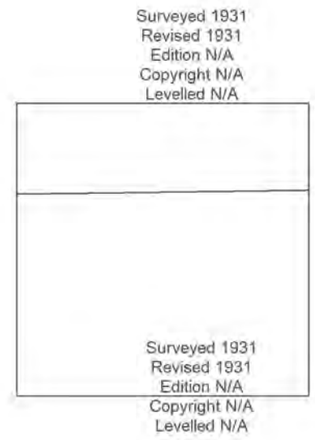

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Production date: 29 May 2025

Map legend available at:
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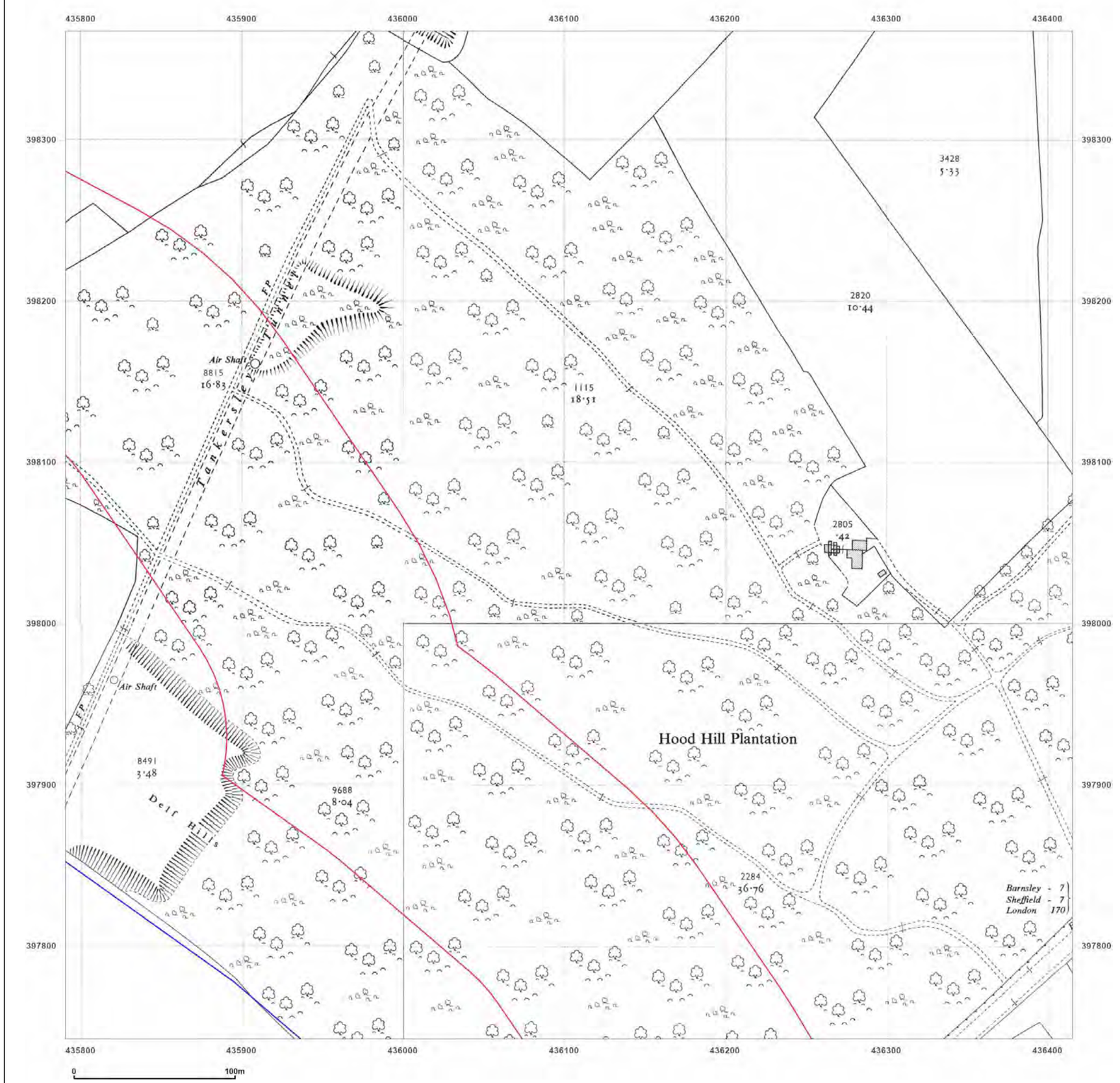

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: National Grid

Map date: **1956**

Scale: 1:2,500

Printed at: 1:2,500

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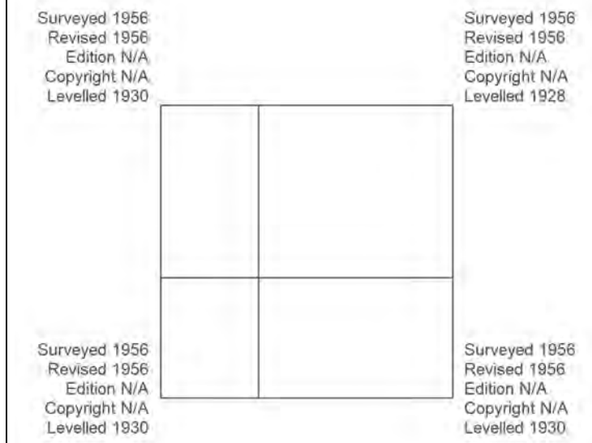

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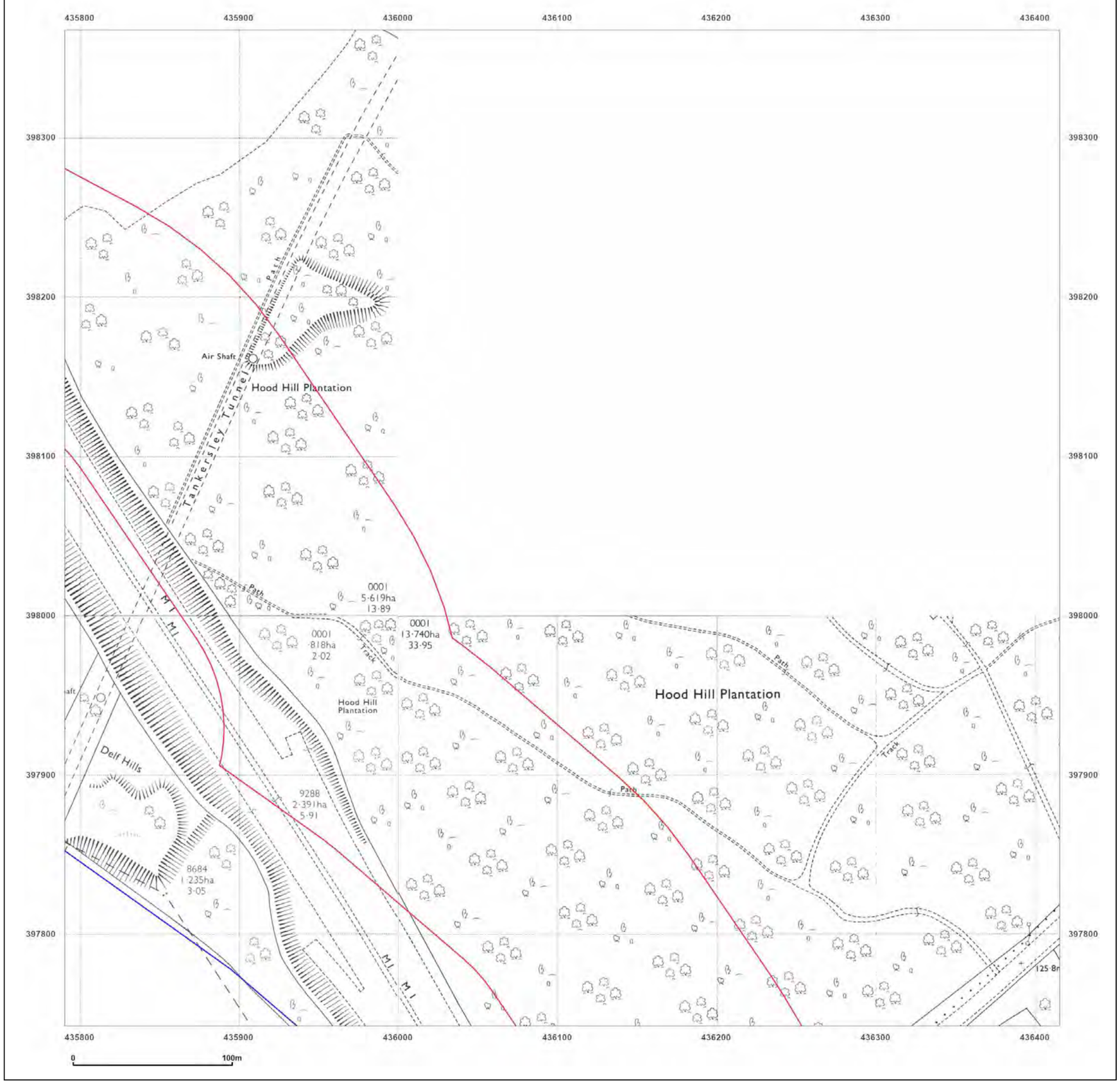

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: National Grid
Map date: **1972-1973**
Scale: 1:2,500
Printed at: 1:2,500

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Surveyed 1972
Revised 1972
Edition N/A
Copyright 1973
Levelled 1963

Surveyed 1973
Revised 1973
Edition N/A
Copyright 1973
Levelled 1963

Surveyed 1971
Revised 1971
Edition N/A
Copyright 1972
Levelled 1963

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Production date: 29 May 2025

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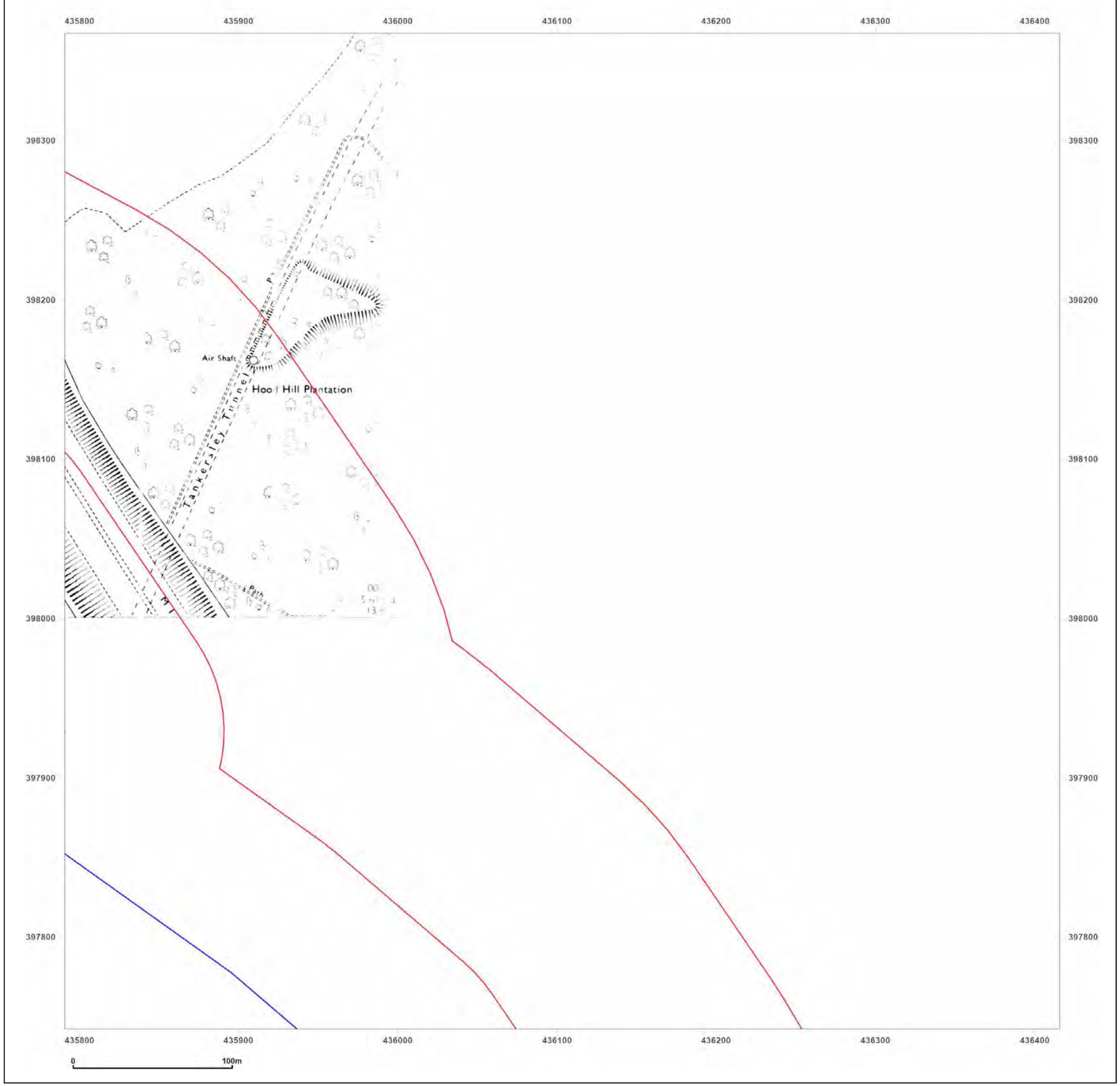

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: National Grid

Map date: **1973**

Scale: 1:2,500

Printed at: 1:2,500

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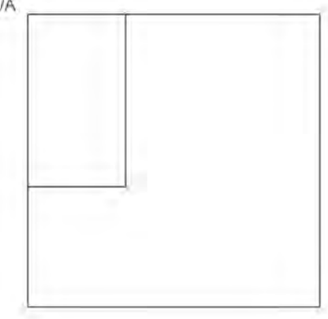
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



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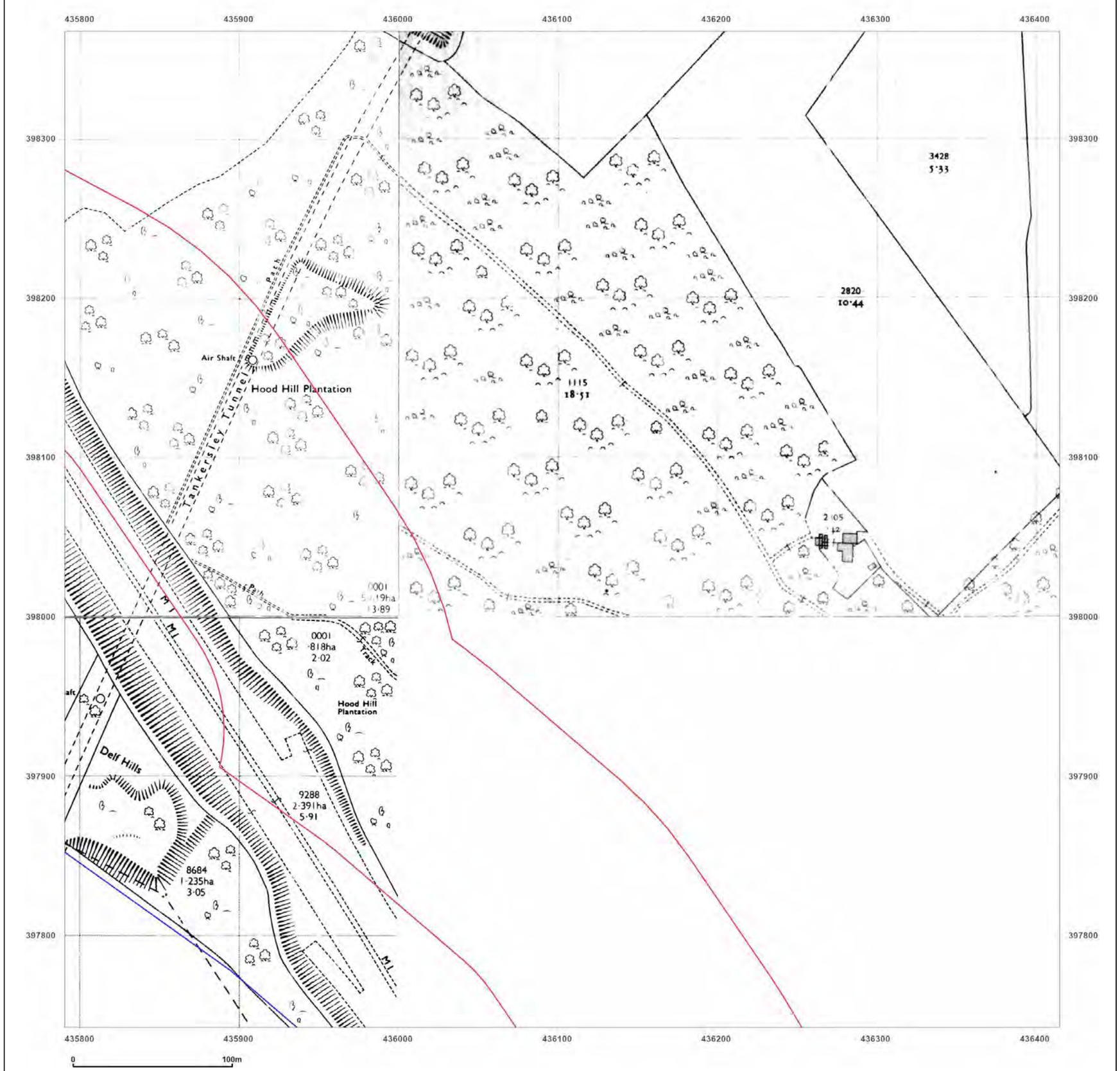

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: National Grid
Map date: **1973-1978**
Scale: 1:2,500
Printed at: 1:2,500

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

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

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

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Production date: 29 May 2025

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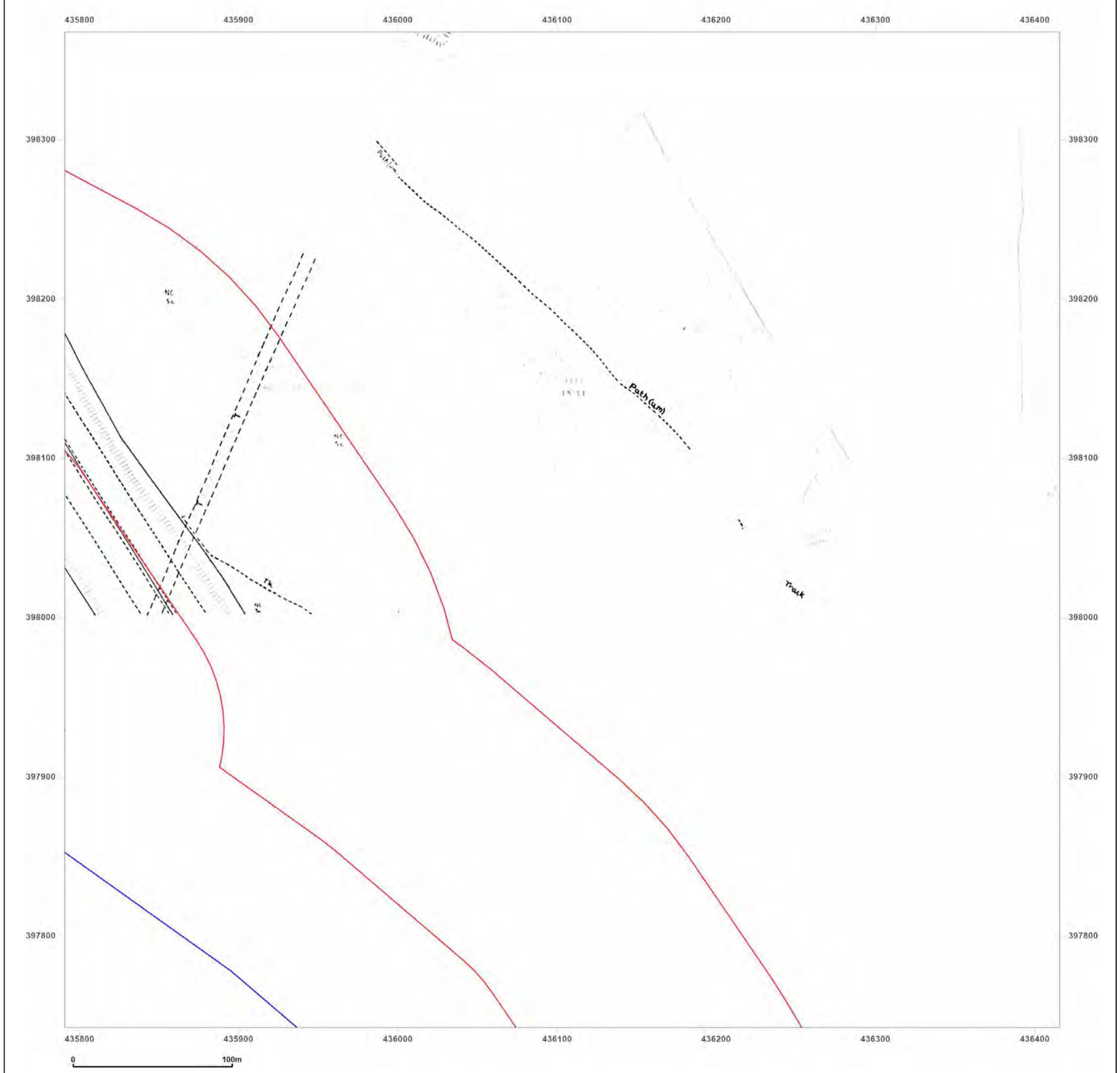

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: National Grid
Map date: **1983-1986**
Scale: 1:2,500
Printed at: 1:2,500

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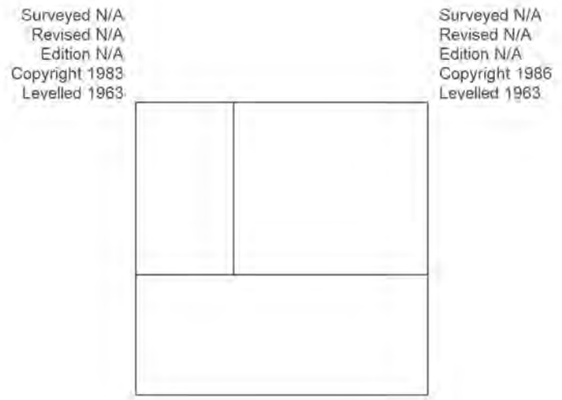

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Production date: 29 May 2025

Map legend available at:
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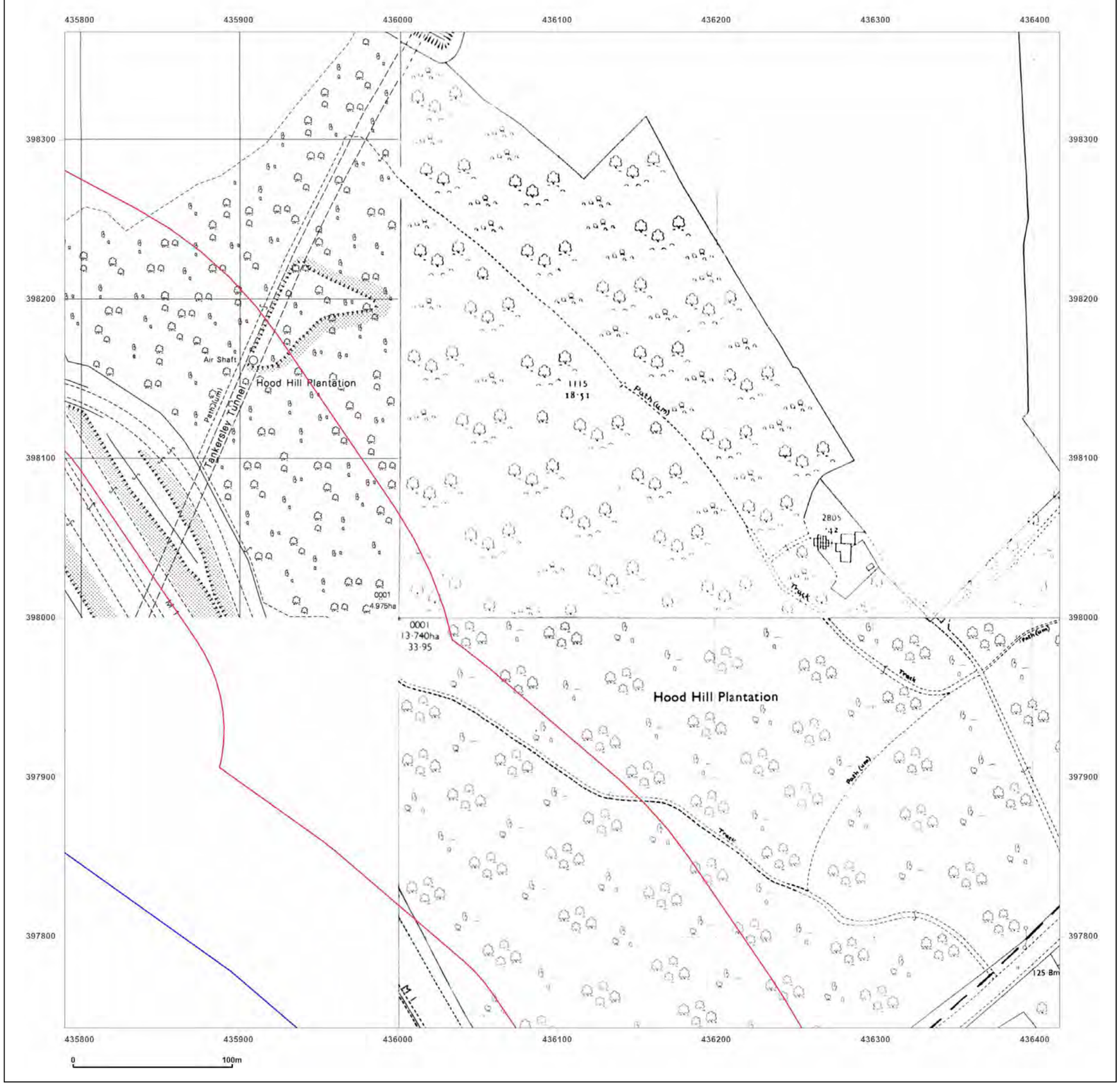

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: National Grid

Map date: **1986-1991**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed N/A
Revised 1989
Edition N/A
Copyright 1991
Levelled N/A

Surveyed 1963
Revised 1986
Edition N/A
Copyright 1986
Levelled 1963

Surveyed 1963
Revised 1990
Edition N/A
Copyright 1990
Levelled 1963

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Production date: 29 May 2025

Map legend available at:
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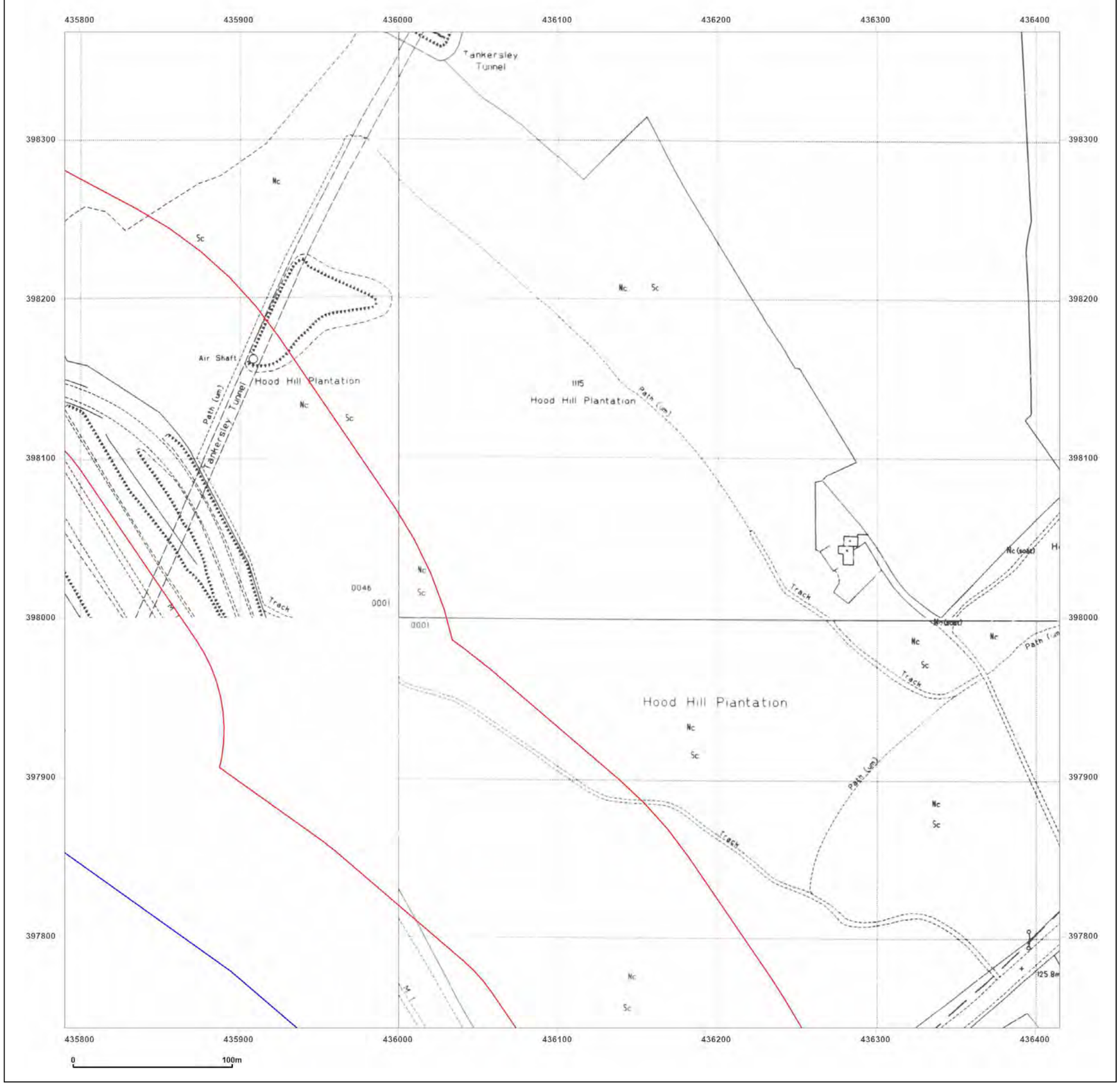

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_LS_2_2
Grid Ref: 436103, 398055

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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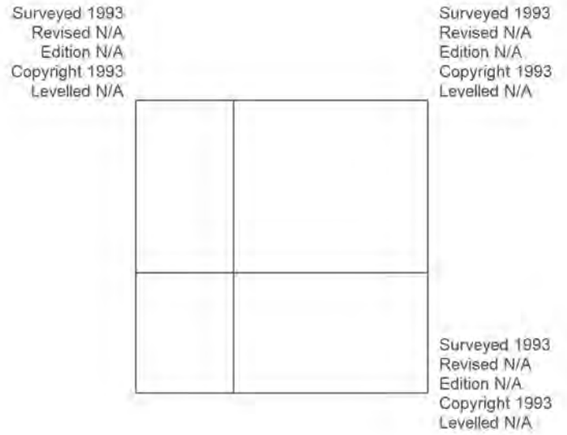

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_Landline_1_2
Grid Ref: 435490, 397743

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

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Production date: 29 May 2025

Map legend available at:
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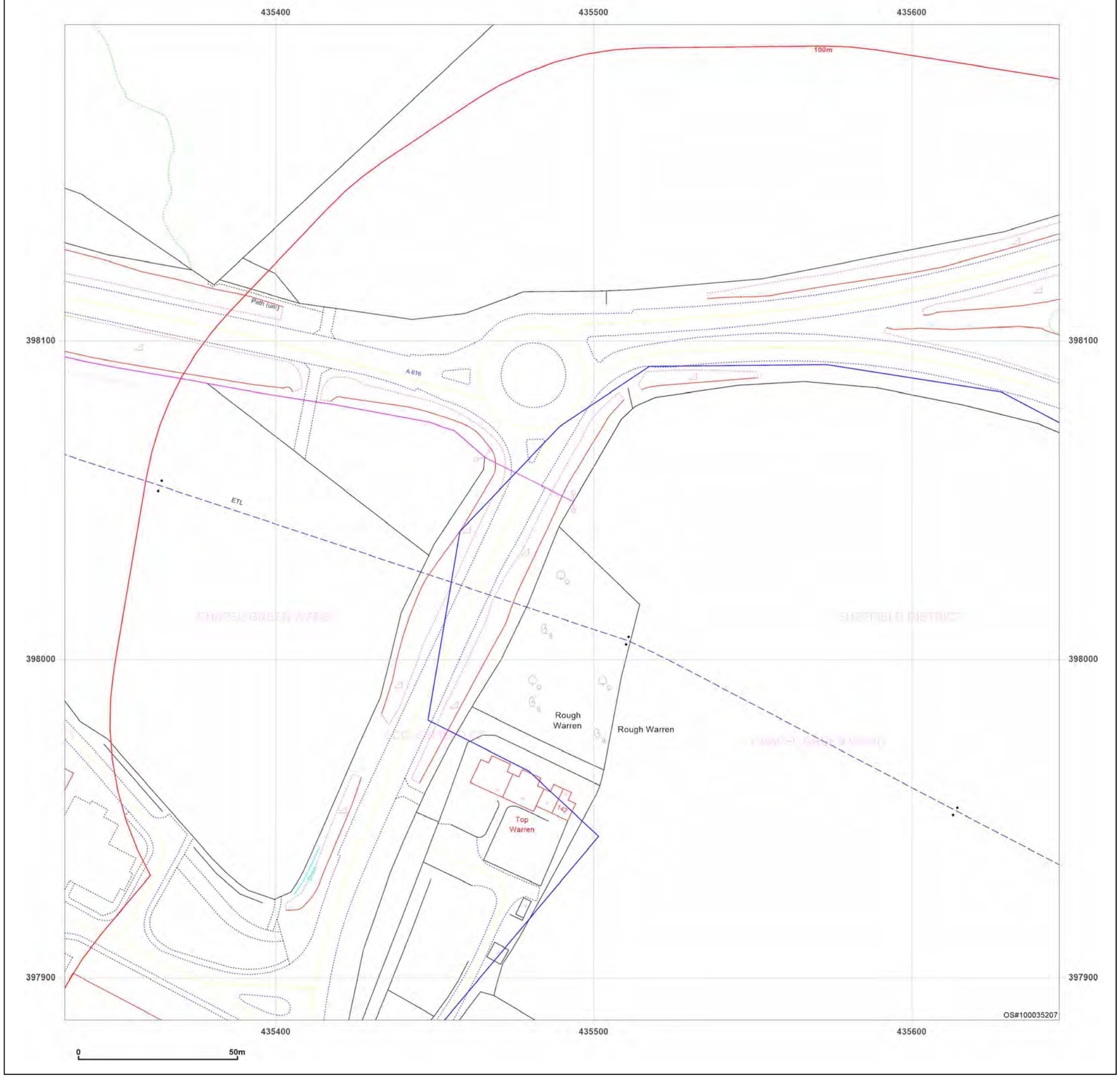

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_Landline_1_3
Grid Ref: 435490, 398043

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

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Production date: 29 May 2025

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_Landline_2_1
Grid Ref: 435790, 397443

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

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Map legend available at:
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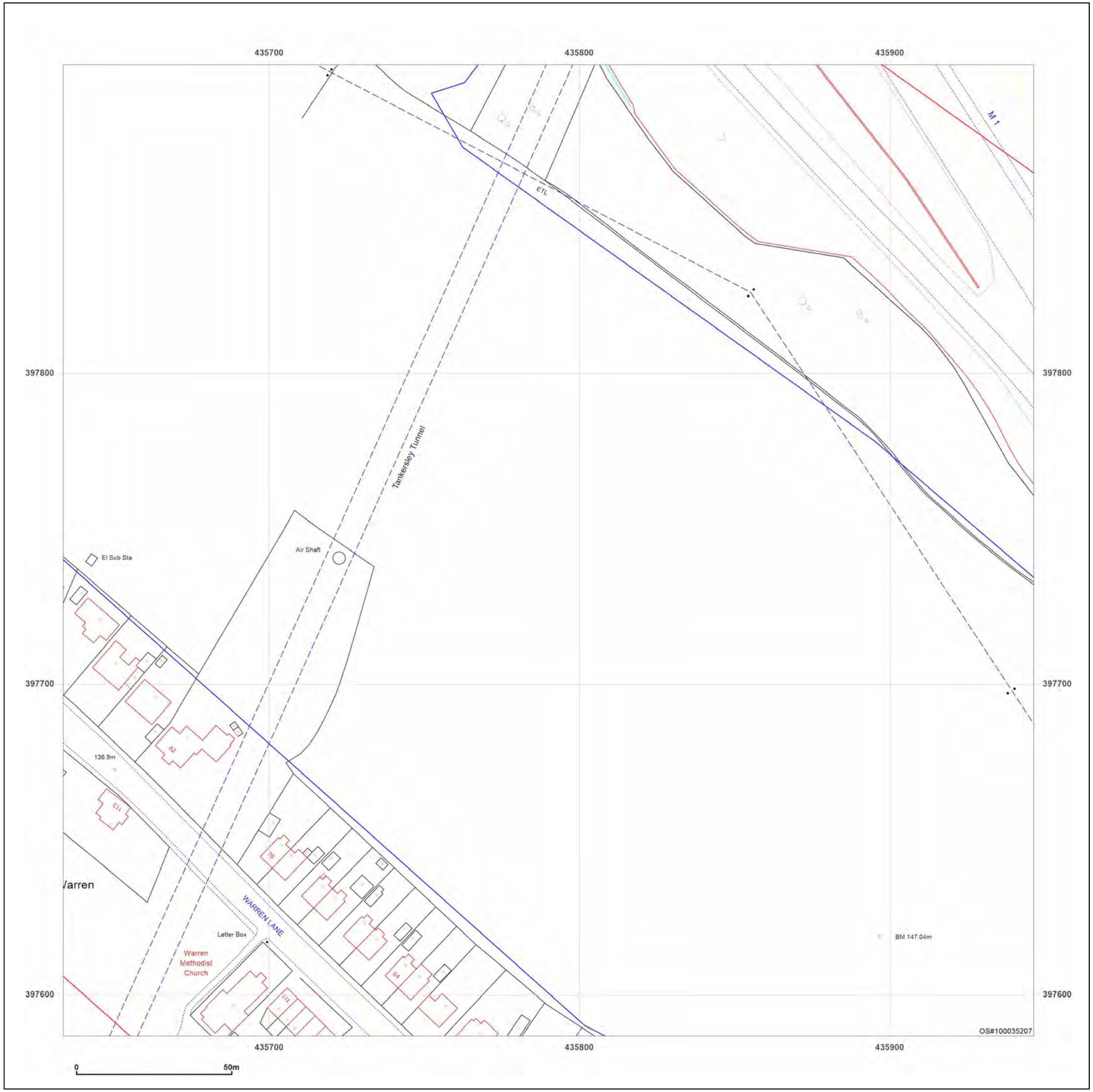

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_Landline_2_2
Grid Ref: 435790, 397743

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

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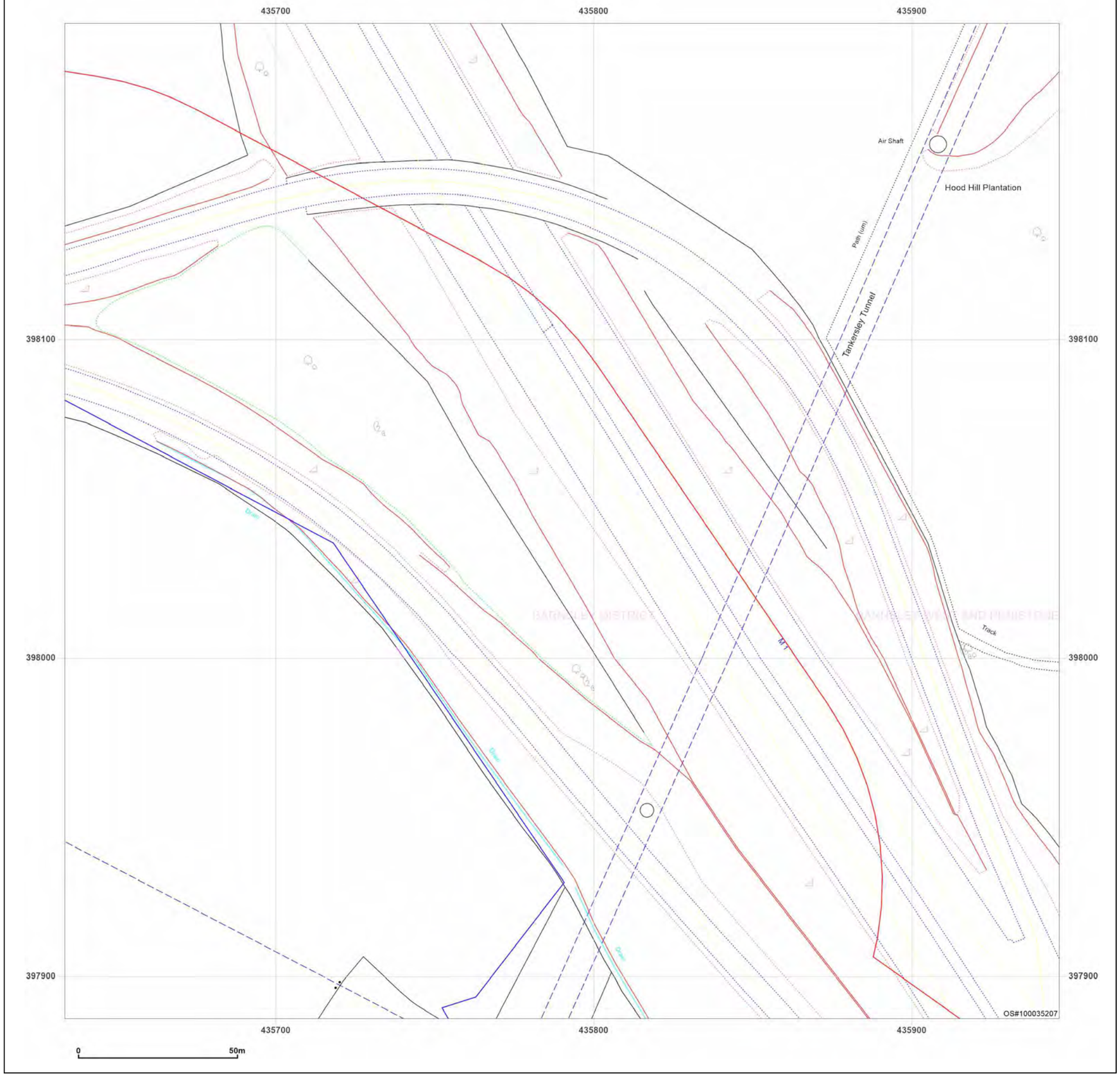

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_Landline_2_3
Grid Ref: 435790, 398043

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

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Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_Landline_3_1
Grid Ref: 436090, 397443

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

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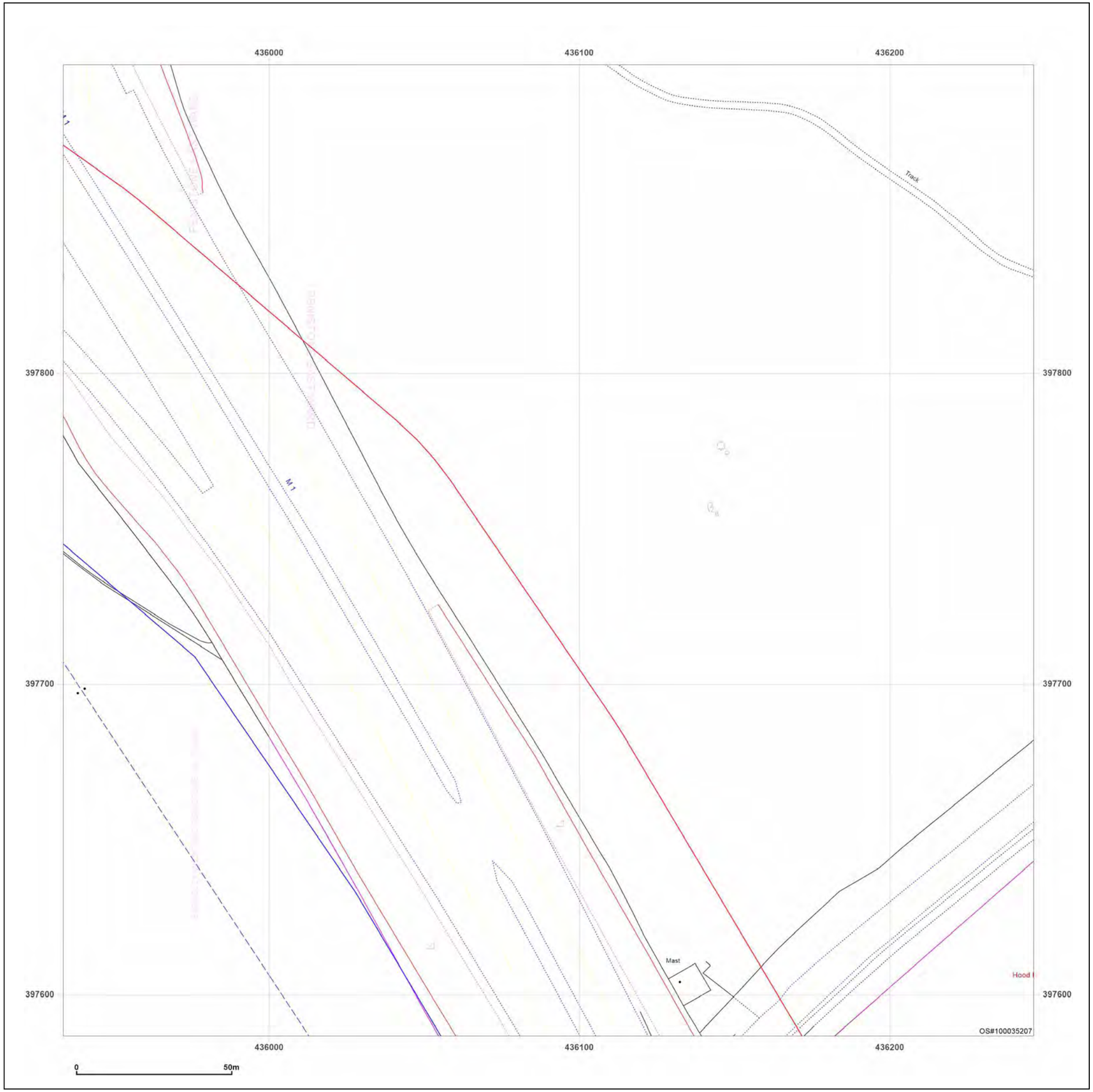

Groundsure INSIGHTS

Site Details:

Warren Lane, Tankersley,
Sheffield S35 2YD

Client Ref: PO11499/C30965/SH
Report Ref: GS-NTG-1ZV-GC2-VEK_Landline_3_2
Grid Ref: 436090, 397743

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

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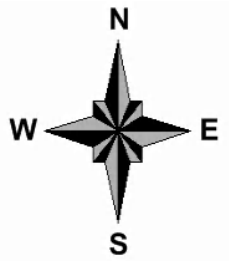
Groundsure INSIGHTS

Landline Scale Grid Index



APPENDIX D

DUNELM CONDITIONS OF OFFER, NOTES ON LIMITATIONS & BASIS FOR CONTRACT

Dunelm Conditions of Offer, Notes on Limitations & Basis for Contract

These conditions accompany our tender and supercede any previous conditions issued. The firm will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of the firm. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from the firm. A charge may be levied against such approval, the same to be made at the discretion of the firm.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, soil gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

The firm cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. The firm are not responsible for the action negligent or otherwise of subcontractors or third parties.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.2.7 of BS 10175:2011 +A2:2017 in order to confirm the conceptual assumptions, and in accordance with BS5930:2015+A1:2020. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, the firm cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by the firm in the course of investigation is the property of the firm, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. The firm reserves the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, we will invoice on an interim basis (on completion of fieldwork, on completion of report and on completion of gas monitoring (if applicable)) and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork and additional costs maybe required if ground conditions dictate. We have not allowed for acquiring buried utility/services information and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning the firm, you understand and accept that you/your agent have a contractual relationship with the firm & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Dunelm are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete. Dunelm have not allowed for subsequent reinstatement as a result of settlement. Should artesian water be encountered the cost of dealing with this would be charged at dayworks plus supervision with any temporary works/materials at cost plus 20%. Should access to the site be restricted for reasons beyond our control such as soft or boggy ground then there may be the requirement for hiring in plant such as a tractor or tracked dumper, the cost of this would be charged at cost plus 20%. Should the site fall into a BDA Red Classification and further protection measures be required, this would be charged at cost plus 20%. The rates we have supplied for geotechnical laboratory testing are for sample recovered from BDA Green and Yellow classified sites. If the site is deemed to be Red we can supply uplifted testing rates on request. No price has been provided or requested for a return visit to remove pipework and covers. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming the firm agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs the firm agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation and will apply 8% to the base rate for unreasonably late payments. We will also apply the right to claim any associated legal costs incurred with recovery of late payments.

To accept our quotation we require our accompanying Acceptance of Quotation form to be completed and returned by the person or organisation responsible for payment or for a purchase order to be issued. Quotes are valid for 30 days. Payment terms are strictly 30 days from date of invoice. Should Dunelm not have previously worked for the payee we will undertake a credit check prior to any work being undertaken. In the event of a poor credit check or lack of credit history an upfront payment or advanced payment schedule will be required.

The firm is exempt from the CIS Scheme. The firm offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. The company are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by the firm, and we give notice that consequential loss as a direct or indirect result of the firms activities or omission of the same are excluded.

Where the works require a Coal Authority Permit (hereafter referred to as 'the Permit'), we will apply for the Permit in the name of the employer, who, upon accepting the quotation, is deemed to have accepted the Terms and Conditions in respect of the Permit.