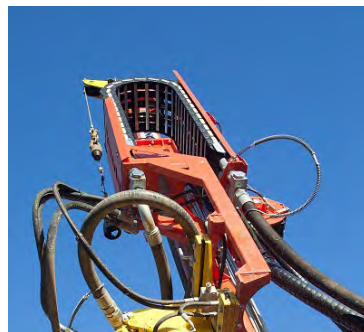
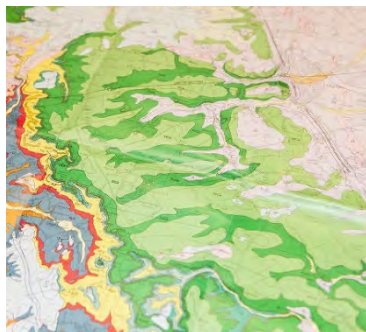




REPORT NO: D30204

**PRELIMINARY INVESTIGATION OF LAND AT
FENAY BRIDGE, ROWLEY MILLS**

**PREPARED FOR:
RELIANCE PRECISION LTD**



● FOUNDATION HOUSE ● ST. JOHN'S ROAD ● MEADOWFIELD ● DURHAM ● DH7 8TZ
● TEL: 0191 378 3151 ●



Contract No.	D30204
Contract Name	Fenay Bridge, Rowley Mills

REPORT REVISIONS

Revision No.	Issue Date	Details
DUN_30204_01_00	26.10.2023	Preliminary Geoenvironmental Appraisal

VERIFICATION

Revision No.	Issue Date		Written By	Checked By	Verified By
DUN_D30204_01_00	26.10.2023	Initials	KD	KJ	KJ
		Signature	REDACTED	REDACTED	REDACTED

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APPENDIX A - Drawings

Drawing Number	Drawing Title
DUN_D30204_01_00	Site Location Plan
DUN_D30204_02_00	Site Features Plan
DUN_D30204_03_00	Preliminary Conceptual Site Model
Reliance Precision1006	Proposed Parking Layout

APPENDIX B - Photographic Survey

APPENDIX C - Desk Study Information

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

1.0 SCOPE OF INVESTIGATION

Dunelm Geotechnical and Environmental Limited (Dunelm) were instructed by Dudleys, on behalf of Reliance Precision Ltd, to undertake a Preliminary Investigation (Phase 1 Desk Study) of land at Fenay Bridge, Huddersfield.

It is proposed to develop the site with two extensions to the existing commercial unit as shown on the proposed parking layout plan included in Appendix A of this report.

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 418688,414023. The site is situated approximately 4km southeast of Huddersfield town centre on the east side of Penistone Road. The site location is shown on Drawing No. DUN_D30204_01_00 presented in Appendix A to this report.

A preliminary site inspection was undertaken on 24th October 2023 and a selection of site photographs are presented in Appendix B to this report.

Existing site features are shown on Drawing No. DUN_D30204_02_00 presented in Appendix A to this report.

2.2 TOPOGRAPHY & SITE FEATURES

The site is located to the east of Penistone Road. The site is currently occupied by a large commercial unit owned by Reliance Precision Ltd which is an engineering company.

The building occupies the central site area with a macadam access road extending from Penistone Road to the east providing access and car parking for the existing unit.

The site comprises two separate plateaus of land with a steep slope between them. The main site area comprises the central and western site area gently slopes from east to west and the main building is located within this area. The far eastern site area is elevated above the main site area; a very steep slope is present between the eastern car park area and the main building; this very steep slope is vegetated and some steps providing access between the car park and main building. The very steep slope is located within the area of the proposed ground floor extension.

An underground coolant tank is present on the northern edge of the western site area.

There are a large number of trees surrounding 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
1854	Rowley Woollen Mill occupies the central site area. Beldon Brook extends through the southern site area. Mill race present in southeast site area.	Red Row residential properties 70m southwest of the site. Woodsome Hall 700m west of the site. Beldon Brook running along the southern boundary of the site.
1893	No significant change.	Railway line extending along the eastern boundary of the site. Reservoir 250m east of the site, alongside Beldon Brook. Smaller reservoir located 300m southwest of the site. Dogley Villa 100m south of site.
1904	Rowley Woollen Mill still on site	Old shaft located 500m east of the site.
1913	Tanks labelled in northeast corner of mill building and in southeast site area.	Sewage works located 90m west of the site.
1930	No significant change.	Woodsome Colliery 250m northeast of site with associated rail lines. Woodsome brick works 150m east of site. Kirkburton sewage works 300m west of the site.
1960	Foot bridge running along the southern boundary of the site. Rowley Mill now labelled Mill.	Woodsome brick works extended. Sewage works no longer shown to the west of the site.
1965	No significant change.	Colliery no longer labelled.
1972-1977	Further tank present in eastern site area.	Woodsome brick works now disused. Refuse tip 100m east of the site. Lepton residential estate growing, north of the site. Highburton residential estate 750m to the south extending.
1990	No significant change.	Railway line now dismantled. Both reservoirs still there. Woodsome brick works no longer there. Southern edge of

		Lepton now only 100m north of the site.
2003	Tank no longer shown in eastern site area.	No significant change.
2010	No significant change.	Both reservoirs still in use. Lepton and Highburton now developed residential areas. Beldon Brook still running along southern site boundary.
2023	No significant change.	Both reservoirs still in use. Beldon brook still running to the south.

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 77 Huddersfield.
- BGS 1:10,000 scale sheet SE11SE.
- 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 boreholes SE11SE9 and SE11SE70.

4.2 GEOLOGY

Drift deposits are largely not shown on the geological plan however alluvial deposits are shown to extend along the southern site boundary.

Made ground deposits are shown to extend along the site's eastern boundary.

The solid geology underlying the site comprises the Grenoside Sandstone and Lower Coal Measures strata.

The Better Bed coal seam is located to the northeast and southwest of the site and dips to the east away from the site.

No faults are shown in the vicinity of the site.

BGS borehole SE11SE9 is located on site and recorded soil and stones to 1.52m bgl underlain by brown flagstone, the underlying geology further comprises gritstone, shale, fireclay and grey bind. Coal was recorded at 220m bgl.

BGS borehole SE11SE70 located 87m northeast of the site recorded fill to 2.4m bgl underlain by a thin band of clay to 3.3m bgl where sandstone was recorded. Coal was recorded at 9.0m extending to 10.1m with a thickness of 1.1m with a fireclay and shale band. It should be noted that this borehole is located northeast of the site with the Better Bed seam present beneath the area of the borehole. The Fenay Bridge site lies to the west of the Better Bed seam and it is therefore not expected beneath the site.

No significant ground hazards have been identified by the British Geological Survey as reported in the Groundsure Report.

4.3 MINING AND QUARRYING

The mining report indicates that the site may be underlain by workings in two coal seams, the shallowest being the Halifax Hard Seam at a depth of approximately 209m below ground level.

The geological plan shows no coal seams to dip beneath the site within the nearby vicinity of the site.

A recorded subsidence claim is located adjacent to the site to the south. A subsidence report is recommended from the Coal Authority.

There are no recorded mine entries within 20m of the site.

No evidence has been found to suggest that the site has been affected by quarrying.

4.4 HYDROLOGY

The nearest surface water feature is Beldon Brook which extends along the southern boundary of the site.

The Groundsure Report indicates there are no recorded licensed surface water abstractions within 200m of the site.

There are two recorded discharge consents located 9m southeast of the site relating to trade discharges into Beldon Brook via the old mill pond.

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

The southern site area is recorded as being situated within a Zone 2 and Zone 3 area of flooding from rivers and sea.

The southern site area is recorded as being situated within a zone of flooding from surface water with a highest risk of greater than 1.0m with a 1 in 30-year risk.

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 seven recorded groundwater abstractions located on site; two listed as active, and five historical. The active abstractions relate to evaporative cooling and process water from a borehole within the coal measures for Reliance Precision Ltd.

4.6 LANDFILLS & OTHER POTENTIAL GAS SOURCES

The Groundsure Report indicates a historical landfill site located 51m east of the site; this landfill is listed as a refuse tip.

A further historical landfill located 236m southeast of the site is listed as Netheroyd Hill Tip.

An area of made ground is shown on the geological plan 33m northeast of the site; this made ground is thought to relate to the former colliery and brickworks shown on the historical plans which 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_D30204_03_00 in Appendix A to this report.

It is understood that the site is to be redeveloped with two extensions to the existing commercial unit. 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 alluvial deposits in the southern site area with potential made ground deposits along the eastern boundary of the site; the rest of the site is anticipated to be underlain by shallow rock.

Made ground deposits together with buried obstructions associated with old foundations and services may be encountered.

5.3 MINING AND QUARRYING ASSESSMENT

No evidence has been found to indicate that the site has been affected by shallow mineworkings.

No evidence has been found to indicate that the site has been affected by quarrying.

5.4 GEOTECHNICAL ISSUES

The proposed development shows two areas for the extensions; on the northwest and northeast sides of the existing building. The proposed extension on the northeast of the site is located at the base of an extremely steep slope with car parking located at a higher elevation to the east. For this extension to occur there will need to be some large cutting of materials, potentially shallow rock and the construction of retaining walls will be required. Assessment of the existing slope is recommended prior to construction works.

The extension on the northwest of the site is more straightforward with a shallow foundation solution assumed within the anticipated shallow rock.

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.

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

5.5 HAZARD IDENTIFICATION – CONTAMINATION SOURCES

The desk study has shown that the site has been occupied previously, and currently by the same building which was initially used as a woollen mill and is now occupied by Reliance Precision Ltd. Historical plans

show that tanks were previously located on site and the walkover identified an underground coolant tank present on the northern edge of the western site area.

In view of the former and current landuses, the following potential contaminants have been identified associated with the site use:

- Heavy metals.
- Asbestos.
- Polycyclic aromatic hydrocarbons (PAHs).
- Total Petroleum hydrocarbons (TPHs).

It should be noted that the above potential contaminants are considered to be commonly associated with the specified industrial land use; no evidence exists to indicate that such contaminants are present in the ground at the site. However, 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:

- Historic landfill sites within 250m.
- Infilled brickworks/quarry within 250m.
- Possible deep made ground on eastern boundary of site.
- Possible hydrocarbon contamination from former fuel tanks on site or nearby.

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 building occupiers. Ecosystem receptors include Beldon Brook.

Potential pollution linkages considered to be significant at this stage are shown on the Preliminary Conceptual Site Model presented as Drawing No. D30204_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.

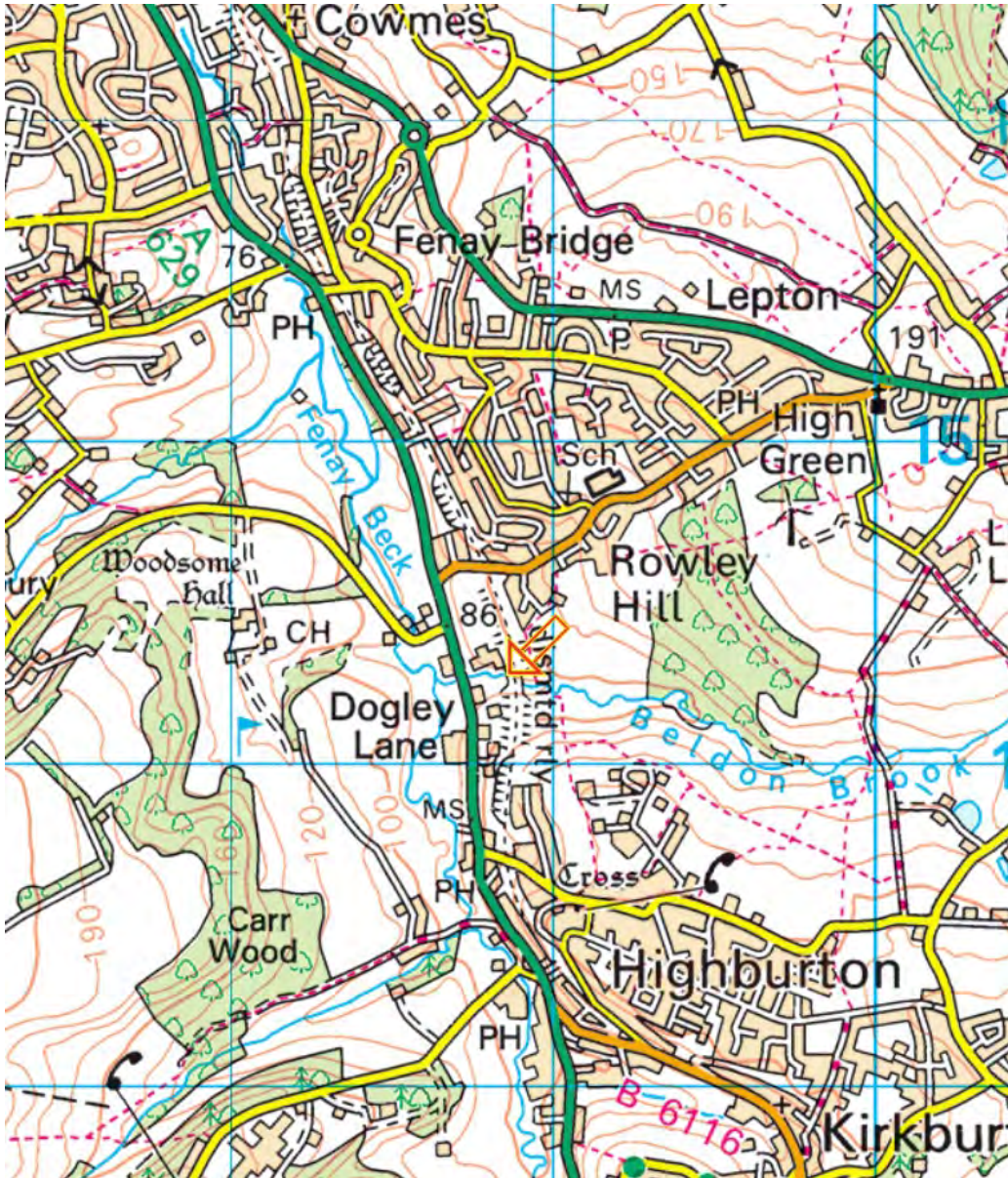
An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

- Further information from the CA on the nature of the subsidence claim to the south of the site.
- Trial pits to determine existing foundation details.
- Cable percussion boreholes to obtain geotechnical data from in situ testing.
- Mini rig boreholes.
- Appropriate sampling to enable chemical and geotechnical testing to be carried out.
- Installation of monitoring wells to enable subsequent groundwater and gas measurements.
- Slope stability assessment.


APPENDIX A

DRAWINGS






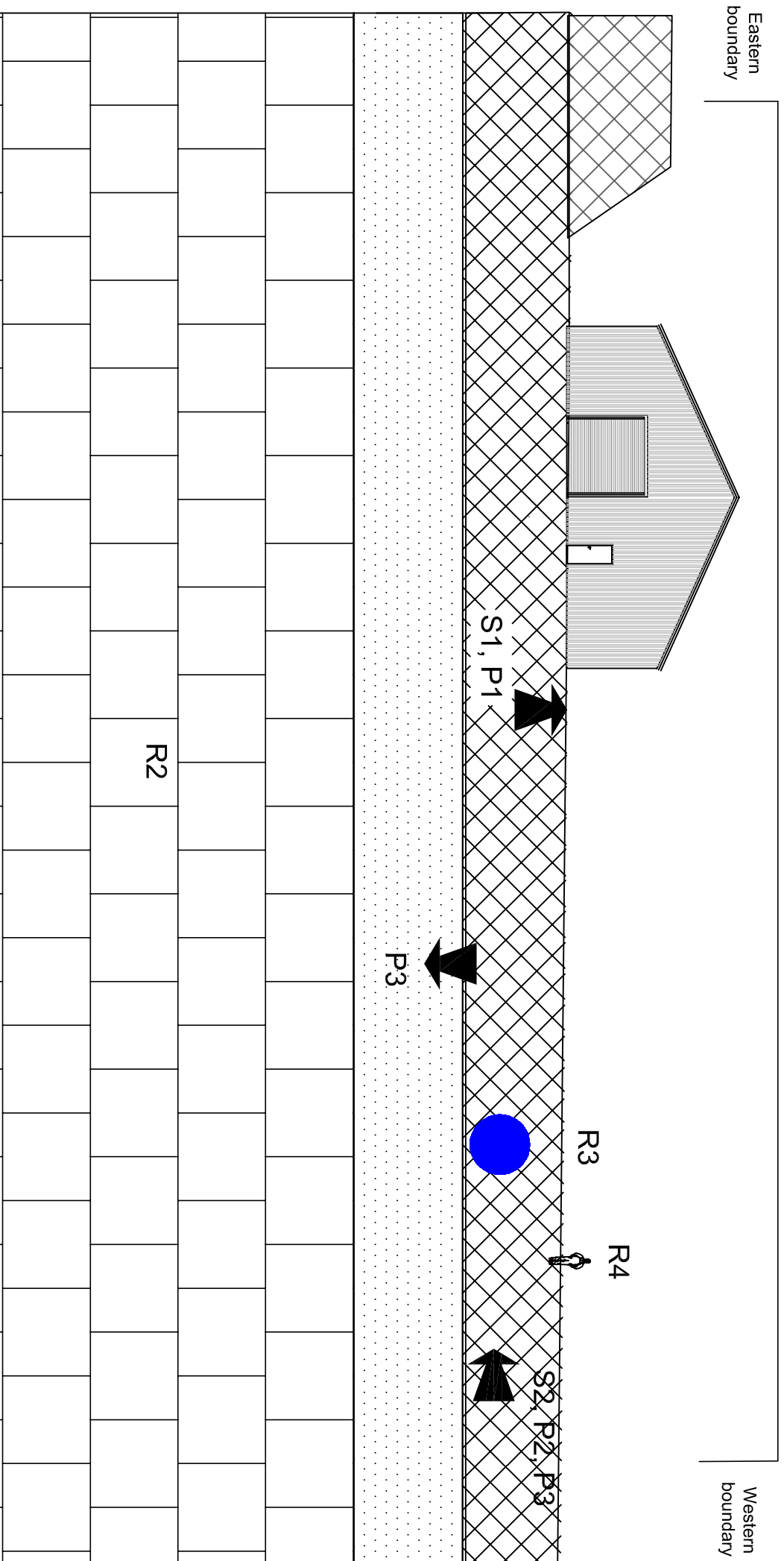
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	Contract: Fenay Bridge, Rowley Mills, Huddersfield		Contract No: D30204	
	Client: Reliance Precision Ltd			
TEL: 0161 639 1775	Drawing Title: Site Location Plan			
Drawing & Revision No: D30204_01_00	Date: October 2023	Scale: NTS	Status: Final	Drawn by: KD

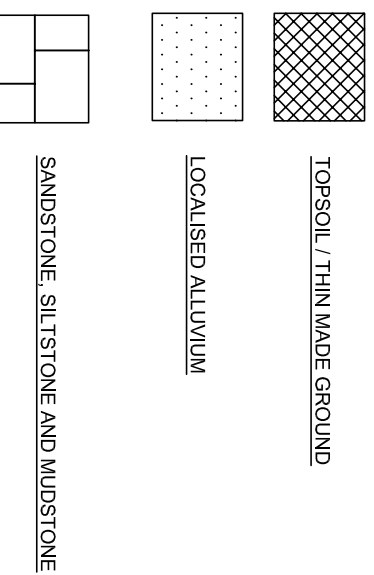


	Contract: Fenay Bridge, Rowley Mills, Huddersfield		Contract No: D30204	
	Client: Reliance Precision Ltd			
TEL: 0161 639 1775	Drawing Title: Site Features Plan			
Drawing & Revision No: D30204_02_00	Date: October 2023	Scale: NTS	Status: Final	Drawn by: KD

Cross Section Through the Site (Approximately North to South)



Ground Conditions Summary



Pollutant Linkages

SOURCE	PATHWAY	RECEPTOR
<ol style="list-style-type: none"> Possible contamination from made ground deposits. Possible hazardous gas from offsite sources including deep made ground and historic landfill. 	<ol style="list-style-type: none"> Ingestion, inhalation and dermal contact of potential contamination within made ground. Migration of hazardous gas. Surface run off and infiltration of leachable contaminants. 	<ol style="list-style-type: none"> Human Health (Building occupiers). Secondary Aquifer. Beldon Brook



Dunelm Geotechnical & Environmental Ltd
 Foundation House, St John's Road, Meadowfield
 Durham, DH78TZ
 Tel: 0191 378 3151
 Fax: 0191 378 3157
 e-mail: admin@dunelm.co.uk
 web: www.dunelm.co.uk

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

Reliance Precision Ltd

PROJECT TITLE:

Fenay Bridge, Rowley Mills

DRAWING TITLE:

Preliminary
 Conceptual
 Site Model

DATE:

October 2023

DRAWING NUMBER:

M30208_03_00

REVISION NUMBER:

V1

Notes:
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 Work and materials must comply with the current building regulations and codes of practice and be read in conjunction with building specifications and other sub-contractors information. All materials are to be installed in strict accordance with the recommendations of the manufacturers.



PARKING NUMBERS	
EXISTING PARKING SPACES TO REMAIN	- 86No.
EXISTING PARKING SPACES REMOVED	- 50No.
NEW CAR PARKING SPACES	- 86No.
TOTAL NEW PARKING NUMBERS	- 172No.
TOTAL GAIN	+ 36No. SPACES

NEW FLOOR AREA	
NEW GROUND FLOOR EXTENSION	4,300 SQ.FT.
NEW FIRST FLOOR EXTENSION	5,200 SQ.FT.
NEW REAR EXTENSION	7,500 SQ.FT.
TOTAL	17,000 SQ.FT.
DEMOLITION	
GROUND FLOOR	2,400 SQ.FT.
FIRST FLOOR	1,000 SQ.FT.
TOTAL	3,400 SQ.FT.
NET AREA GAIN	13,600 SQ.FT.

Rev	Description	By	Chkd	Date

Client
RELIANCE PRECISION LIMITED

Project Title
ROWLEY MILLS

Drawing Title
PROPOSED PARKING LAYOUT

KPP ARCHITECTS
 Lodge House
 12 Town Street
 Horsforth, Leeds LS184RJ
 T : +44 (0) 113 2390460
 E : architects@kpp-leeds.co.uk
 W : www.kpp-leeds.co.uk

Scale	Size	Date	Drawn	Checked
1:500	A2	JUNE '23	AB	.

Status
SCHEME

KPP Job No	Rev
RELIANCE PRECISION	.
Number 1006	

APPENDIX B

PHOTOGRAPHIC SURVEY



Photographs



Photograph 1 – Site access to car parking areas.



Photograph 2 – Car parking and offices.

Photographs



Photograph 3 – Skips for waste disposal.



Photograph 4 – Car parking.

Photographs



Photograph 5 – Eastern site boundary - steep landscaped slope very overgrown with vegetation.



Photograph 6 – Steeply sloping bank in eastern site area between car park and main building.

Photographs



Photograph 7 – Steep slope in eastern site area.

APPENDIX C

DESK STUDY INFORMATION



UNEXPLODED BOMB RISK MAP



SITE LOCATION

Location: HD8 0LE,
Map Centre: 418688,414023



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.

- military
- industry
- UXO find
- transport
- dock
- Luftwaffe targets
- utilities
- Bombing decoy
- other

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

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

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

If both the map and other research confirms 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.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

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 number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

David Bellis Consulting Surveyors Ltd
8, Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH



T: 01423 529911 F: 01423 529922
E: contact@coalsearchplus.com
W: www.coalsearchplus.com



By

David Bellis
CONSULTING SURVEYORS

Regulated Coal Mining Search Report

Incorporating Cheshire Brine Screening

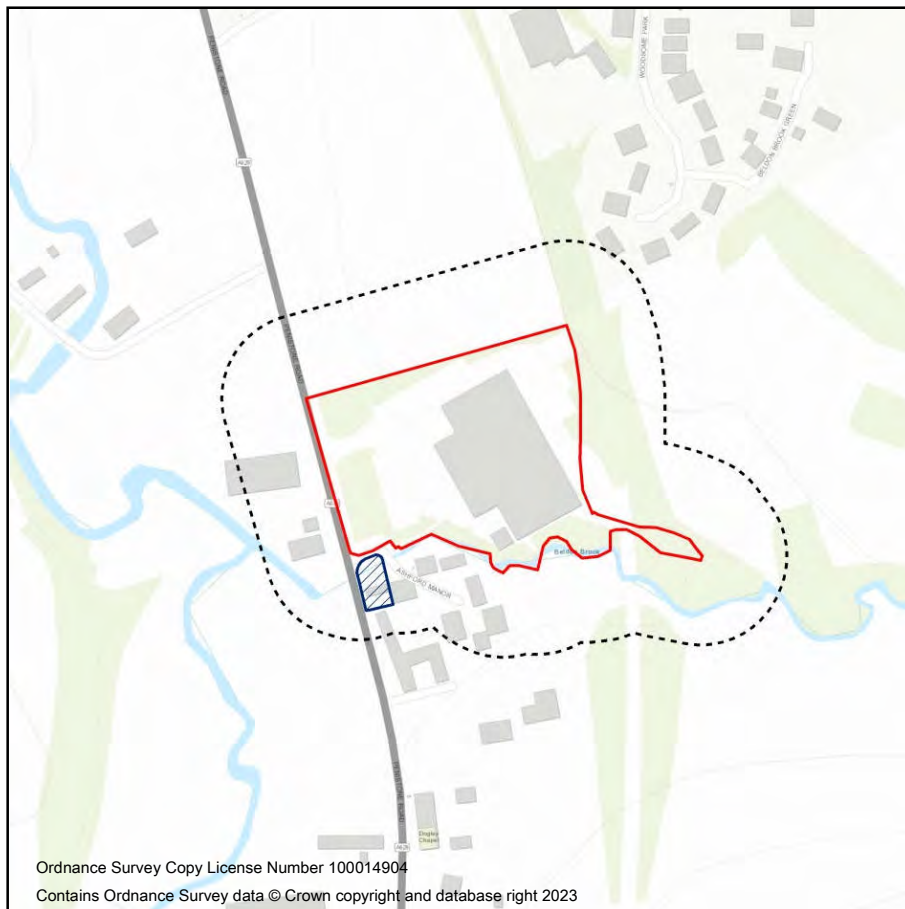


SITE LOCATION AND COAL MINING FEATURE PLAN

ADDRESS: Reliance Precision, Roweley Mills, Penistone Road

HD8 0LE

SEARCH NUMBER: 459551

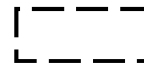


KEY

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 31st 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

Serial Number 459551

Client detail :

Dunelm Geotechnical &
Environmental 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:

Reliance Precision
Roweley Mills
Penistone Road
HD8 0LE

Your ref : PO2320 D30204

Purchaser :

Vendor :

In accordance with your instructions received 18 Oct 2023 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
Halifax Hard	209	191	Pre 1929	Subjacent
Halifax Soft	235	109	Pre 1931	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** :

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

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4. OPENCAST COAL MINING :

Past Opencast Workings : The property is not situated within the boundary of a former opencast coal mining site.

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 Coal Authority licensed Mine Entry dataset shows no evidence of any shafts or adits within 20 metres of the property or the boundary of the property.

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

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

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

6. NOTICES IN RELATION TO FUTURE COAL MINING ACTIVITY :

We have no knowledge of any 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 Coal Authority has shown that there have been no coal mining related subsidence claims on the subject property since 31st October 1994. This is the period for which records are held by the Coal Authority.

The records held by the Coal Authority show that one coal mining related subsidence claim has been made on adjacent property within 50m of the subject property boundary since 31st October 1994.

Where subsidence claims are revealed within 50m of the subject property a CoalSearchPlus+ claims buffer/analysis report is available. This report will provide additional information and opinion regarding the claims reported. Please enquire of your search provider if a report is required.

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

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Old workings are present but all settlement is likely to have completed long ago. In our opinion it is unlikely that coal will be worked in the foreseeable 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 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

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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

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Coal Authority data supplied under license may contain Ordnance Survey information Crown Copyright © 100020315 [2023]

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:

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.

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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.

Date : 25 Oct 2023

Signed :



Serial Number 459551**Important Consumer Protection Information**

This search has been produced by David Bellis Consulting 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

Serial Number 459551**David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ Terms and Conditions (Available in large print by request)**

1. Definitions.
 - 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 facsimile (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.
14. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified within a reasonable period of time, CoalSearchPlus+ reserves the right to cancel the Request in whole or in part. The Applicant remains liable for all fees, Taxes and Disbursements accrued prior to the cancellation.
15. CoalSearchPlus+ reserves the right to subcontract data and/or information retrieval to selected Organisations and/or Individuals. CoalSearchPlus+ is not required to reveal the identity of its Subcontractors.
16. CoalSearchPlus+ will, in the process of fulfilling the request, retrieve data and/or information from publicly and/or commercially available sources and the CoalSearchPlus+ mining database. The sources of data used will primarily be data held by The Coal Authority under an agreement with the Health and Safety Executive, data owned by the British Geological Survey and the CoalSearchPlus+ database.
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.
32. Where full payment of the invoice is not made by the Applicant within 14 days from receipt of the invoice CoalSearchPlus+ reserve the right to withdraw account facilities from the Applicant and cancel any individual agreements concerning fees or other Terms and Conditions that may have been made between the Applicant and CoalSearchPlus+.
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.
43. Third Party and subcontractor Terms and Conditions shall apply in addition to these clauses. Should any conflict arise between CoalSearchPlus+ Terms and Conditions and Third Party or Subcontractor Terms and Conditions, then CoalSearchPlus+ Terms and Conditions prevail unless and until CoalSearchPlus+ expressly states otherwise in writing and/or courts of England and Wales establish otherwise.
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.

RELIANCE PRECISION LTD, ROWLEY MILLS, PENISTONE ROAD, FENAY BRIDGE, HUDDERSFIELD, HD8 0LE

Order Details

Date: 18/10/2023
Your ref: PO2345-D30204
Our Ref: GS-JVD-9YQ-ACJ-EUC

Site Details

Location: 418857 414277
Area: 2.17 ha
Authority: [Kirklees Council](#) ↗



[Summary of findings](#)

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[Aerial image](#)

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[OS MasterMap site plan](#)

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groundsure.com/insightuserguide ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
14 >	1.1 >	Historical industrial land uses >	9	12	57	48	-
19 >	1.2 >	Historical tanks >	3	0	10	5	-
20 >	1.3 >	Historical energy features >	0	1	3	6	-
21	1.4	Historical petrol stations	0	0	0	0	-
21	1.5	Historical garages	0	0	0	0	-
21	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
22 >	2.1 >	Historical industrial land uses >	11	15	72	70	-
29 >	2.2 >	Historical tanks >	3	0	10	6	-
30 >	2.3 >	Historical energy features >	0	1	3	9	-
30	2.4	Historical petrol stations	0	0	0	0	-
31	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
32	3.1	Active or recent landfill	0	0	0	0	-
32 >	3.2 >	Historical landfill (BGS records) >	0	0	0	1	-
33 >	3.3 >	Historical landfill (LA/mapping records) >	0	0	1	0	-
33 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	0	-
34	3.5	Historical waste sites	0	0	0	0	-
34	3.6	Licensed waste sites	0	0	0	0	-
34 >	3.7 >	Waste exemptions >	1	0	3	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
35 >	4.1 >	Recent industrial land uses >	1	3	3	-	-
36	4.2	Current or recent petrol stations	0	0	0	0	-
36	4.3	Electricity cables	0	0	0	0	-
36	4.4	Gas pipelines	0	0	0	0	-
37	4.5	Sites determined as Contaminated Land	0	0	0	0	-



37	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-			
37	4.7	Regulated explosive sites	0	0	0	0	-			
37	4.8	Hazardous substance storage/usage	0	0	0	0	-			
37	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-			
38	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-			
38	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-			
38	4.12	Radioactive Substance Authorisations	0	0	0	0	-			
38	>	<u>4.13</u>	>	<u>Licensed Discharges to controlled waters</u>	>	0	2	0	3	-
39	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	0	-		
39	4.15	Pollutant release to public sewer	0	0	0	0	0	-		
39	4.16	List 1 Dangerous Substances	0	0	0	0	0	-		
40	>	<u>4.17</u>	>	<u>List 2 Dangerous Substances</u>	>	1	0	0	0	-
40	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	0	-		
40	4.19	Pollution inventory substances	0	0	0	0	0	-		
40	4.20	Pollution inventory waste transfers	0	0	0	0	0	-		
41	4.21	Pollution inventory radioactive waste	0	0	0	0	0	-		
Page	Section	<u>Hydrogeology</u>	On site	0-50m	50-250m	250-500m	500-2000m			
42	>	<u>5.1</u>	>	<u>Superficial aquifer</u>	>	Identified (within 500m)				
44	>	<u>5.2</u>	>	<u>Bedrock aquifer</u>	>	Identified (within 500m)				
45	>	<u>5.3</u>	>	<u>Groundwater vulnerability</u>	>	Identified (within 50m)				
46	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)							
46	5.5	Groundwater vulnerability- local information	None (within 0m)							
47	>	<u>5.6</u>	>	<u>Groundwater abstractions</u>	>	7	0	0	1	16
53	>	<u>5.7</u>	>	<u>Surface water abstractions</u>	>	0	0	1	4	4
55	>	<u>5.8</u>	>	<u>Potable abstractions</u>	>	0	0	0	0	9
58	5.9	Source Protection Zones	0	0	0	0	0	-		
58	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	0	-		
Page	Section	<u>Hydrology</u>	On site	0-50m	50-250m	250-500m	500-2000m			
59	>	<u>6.1</u>	>	<u>Water Network (OS MasterMap)</u>	>	1	2	5	-	-



60 >	6.2 >	Surface water features >	1	1	2	-	-
60 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
61 >	6.4 >	WFD Surface water bodies >	0	0	1	-	-
61 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
63 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
64	7.2	Historical Flood Events	0	0	0	-	-
64	7.3	Flood Defences	0	0	0	-	-
64	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
64	7.5	Flood Storage Areas	0	0	0	-	-
65 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
66 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
67 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
69 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
70	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
71	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
71	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
71	10.4	Special Protection Areas (SPA)	0	0	0	0	0
71	10.5	National Nature Reserves (NNR)	0	0	0	0	0
72	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
72 >	10.7 >	Designated Ancient Woodland >	0	0	0	1	9
73	10.8	Biosphere Reserves	0	0	0	0	0
73	10.9	Forest Parks	0	0	0	0	0
73	10.10	Marine Conservation Zones	0	0	0	0	0
73 >	10.11 >	Green Belt >	1	0	0	0	0
74	10.12	Proposed Ramsar sites	0	0	0	0	0



74	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
74	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
74	10.15	Nitrate Sensitive Areas	0	0	0	0	0
75	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
76 >	10.17 >	<u>SSSI Impact Risk Zones ></u>	1	-	-	-	-
77	10.18	SSSI Units	0	0	0	0	0
Page	Section	<u>Visual and cultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
78	11.1	World Heritage Sites	0	0	0	-	-
79	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
79	11.3	National Parks	0	0	0	-	-
79 >	11.4 >	<u>Listed Buildings ></u>	0	1	2	-	-
80	11.5	Conservation Areas	0	0	0	-	-
80	11.6	Scheduled Ancient Monuments	0	0	0	-	-
80	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
81 >	12.1 >	<u>Agricultural Land Classification ></u>	Urban (within 250m)				
82	12.2	Open Access Land	0	0	0	-	-
82 >	12.3 >	<u>Tree Felling Licences ></u>	1	0	3	-	-
82 >	12.4 >	<u>Environmental Stewardship Schemes ></u>	2	2	2	-	-
83	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations ></u>	On site	0-50m	50-250m	250-500m	500-2000m
84 >	13.1 >	<u>Priority Habitat Inventory ></u>	2	2	2	-	-
85	13.2	Habitat Networks	0	0	0	-	-
85	13.3	Open Mosaic Habitat	0	0	0	-	-
85	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale ></u>	On site	0-50m	50-250m	250-500m	500-2000m
86 >	14.1 >	<u>10k Availability ></u>	Identified (within 500m)				
87 >	14.2 >	<u>Artificial and made ground (10k) ></u>	1	1	1	2	-
89 >	14.3 >	<u>Superficial geology (10k) ></u>	2	0	0	0	-



90	14.4	Landslip (10k)	0	0	0	0	-
91 >	14.5 >	Bedrock geology (10k) >	2	2	8	19	-
93 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	4	9	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
95 >	15.1 >	50k Availability >	Identified (within 500m)				
96 >	15.2 >	Artificial and made ground (50k) >	0	1	0	0	-
97 >	15.3 >	Artificial ground permeability (50k) >	0	1	-	-	-
98 >	15.4 >	Superficial geology (50k) >	2	0	0	0	-
99 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
99	15.6	Landslip (50k)	0	0	0	0	-
99	15.7	Landslip permeability (50k)	None (within 50m)				
100 >	15.8 >	Bedrock geology (50k) >	2	2	8	15	-
102 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
102 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	4	4	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
104 >	16.1 >	BGS Boreholes >	2	0	19	-	-
Page	Section	Natural ground subsidence >					
107 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
109 >	17.2 >	Running sands >	Low (within 50m)				
111 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
113 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
114 >	17.5 >	Landslides >	Moderate (within 50m)				
116 >	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
118 >	18.1 >	BritPits >	0	0	3	2	-
120 >	18.2 >	Surface ground workings >	0	13	37	-	-
122 >	18.3 >	Underground workings >	0	1	11	14	12
123	18.4	Underground mining extents	0	0	0	0	-
123	18.5	Historical Mineral Planning Areas	0	0	0	0	-



124	18.6	Non-coal mining	0	0	0	0	0
124	18.7	JPB mining areas	None (within 0m)				
124	18.8	The Coal Authority non-coal mining	0	0	0	0	-
124 >	18.9 >	Researched mining >	0	0	0	1	-
125 >	18.10 >	Mining record office plans >	0	1	1	0	-
125	18.11	BGS mine plans	0	0	0	0	-
125 >	18.12 >	Coal mining >	Identified (within 0m)				
125	18.13	Brine areas	None (within 0m)				
126	18.14	Gypsum areas	None (within 0m)				
126	18.15	Tin mining	None (within 0m)				
126	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes >	On site	0-50m	50-250m	250-500m	500-2000m
127	19.1	Natural cavities	0	0	0	0	-
128 >	19.2 >	Mining cavities >	0	0	1	1	1
128	19.3	Reported recent incidents	0	0	0	0	-
128 >	19.4 >	Historical incidents >	0	0	0	6	-
129	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
130 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
132 >	21.1 >	BGS Estimated Background Soil Chemistry >	5	4	-	-	-
133	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
133	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
134	22.1	Underground railways (London)	0	0	0	-	-
134	22.2	Underground railways (Non-London)	0	0	0	-	-
135	22.3	Railway tunnels	0	0	0	-	-
135 >	22.4 >	Historical railway and tunnel features >	2	0	2	-	-
135	22.5	Royal Mail tunnels	0	0	0	-	-



136	22.6	Historical railways	0	0	0	-	-
136	22.7	Railways	0	0	0	-	-
136	22.8	Crossrail 1	0	0	0	0	-
136	22.9	Crossrail 2	0	0	0	0	-
136	22.10	HS2	0	0	0	0	-

Recent aerial photograph

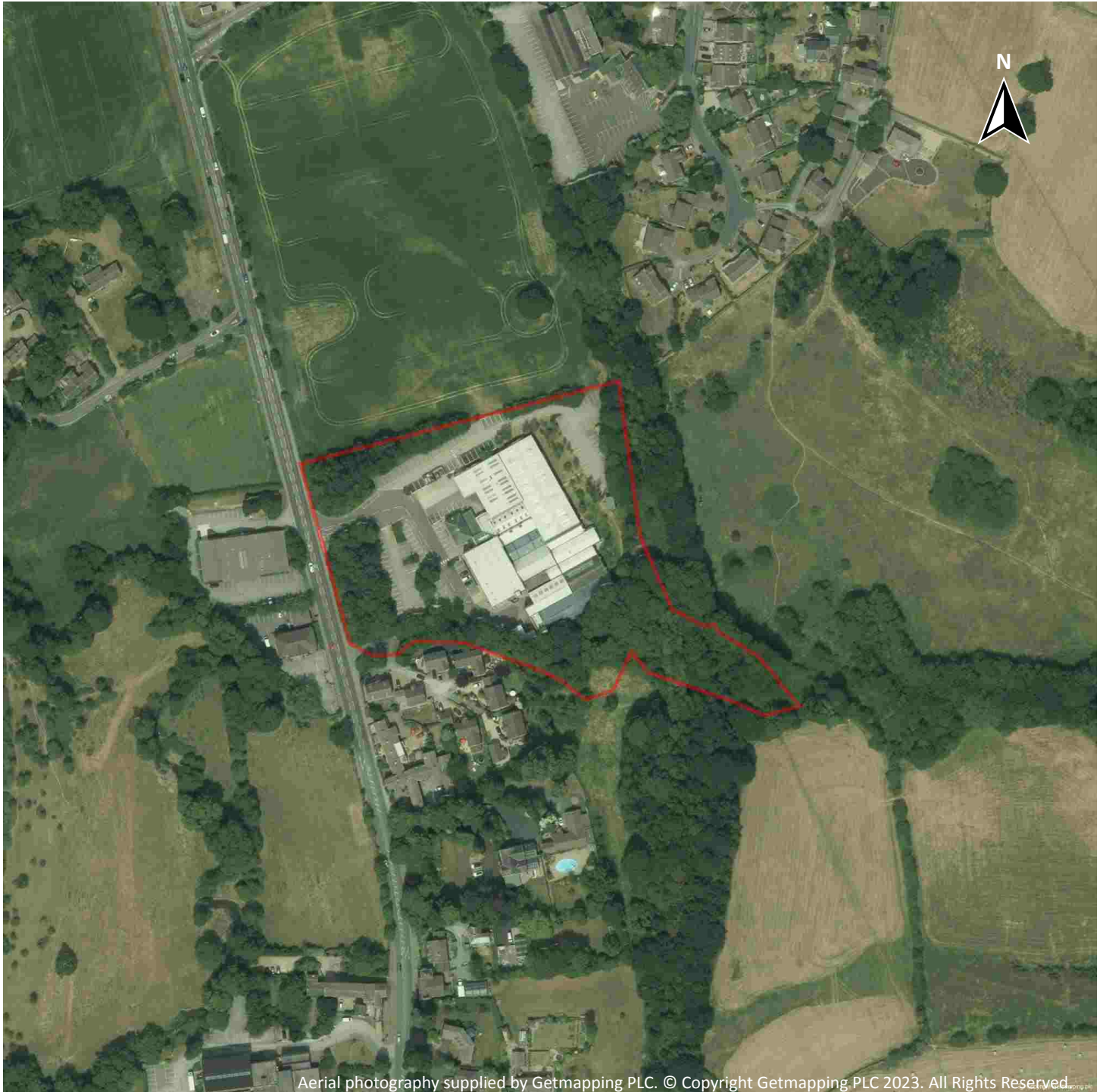


Capture Date: 30/05/2021

Site Area: 2.17ha



Recent site history - 2018 aerial photograph



Capture Date: 01/07/2018

Site Area: 2.17ha



Recent site history - 2012 aerial photograph

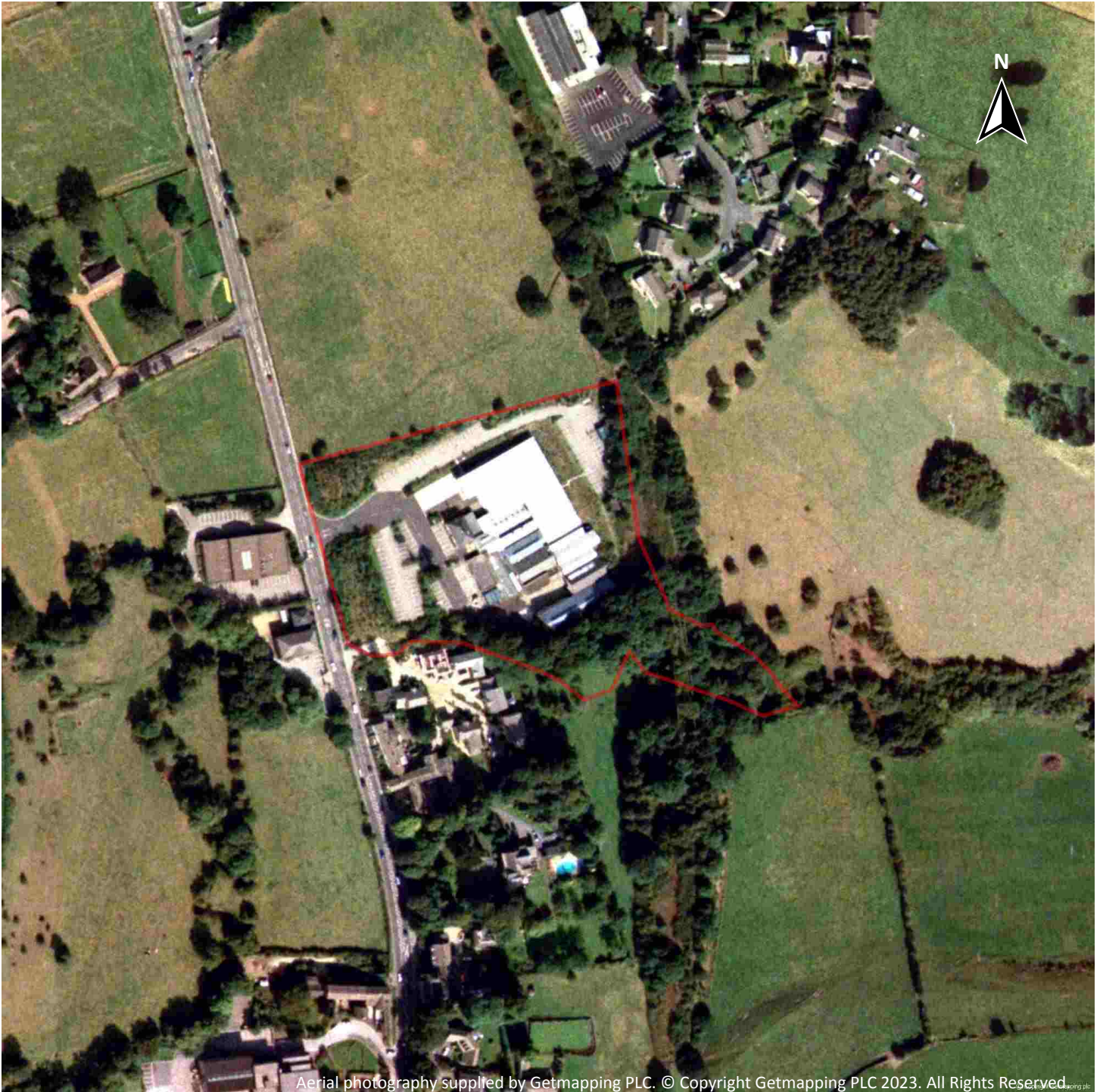


Capture Date: 26/03/2012

Site Area: 2.17ha



Recent site history - 1999 aerial photograph



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Capture Date: 10/07/1999

Site Area: 2.17ha



OS MasterMap site plan

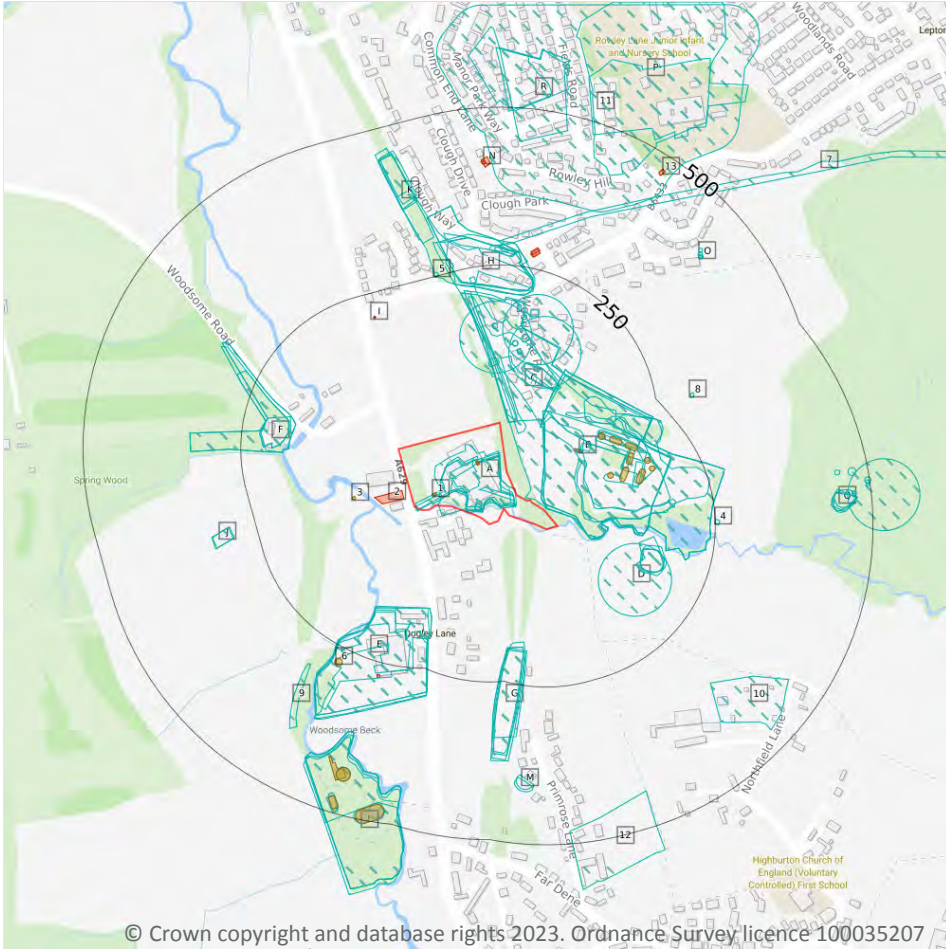


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Site Area: 2.17ha



1 Past land use



Site Outline

Search buffers in metres (m)

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

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1.1 Historical industrial land uses

Records within 500m **126**

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
A	On site	Unspecified Mills	1904	1458570

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Mills	1948	1465838
A	On site	Unspecified Tank	1948	1466735
A	On site	Unspecified Mills	1951	1475525
A	On site	Unspecified Mills	1938	1530223
A	On site	Unspecified Mills	1892	1539276
A	On site	Unspecified Tank	1938	1546572
A	On site	Unspecified Tank	1951	1546658
A	On site	Unspecified Mill	1968 - 1990	1555869
B	2m E	Colliery	1938	1524428
B	4m E	Brick Works	1948	1540808
B	6m E	Brick Works	1938	1549375
B	9m E	Unspecified Commercial/Industrial	1977	1410512
B	9m E	Unspecified Works	1968	1438201
B	9m E	Brick Works	1951	1552519
C	13m NE	Colliery	1948	1536425
C	13m NE	Refuse Heap	1948	1553744
C	18m NE	Refuse Heap	1938	1506816
C	22m NE	Refuse Heap	1968	1480974
B	45m E	Refuse Heap	1968	1535106
B	48m E	Refuse Heap	1977	1501414
C	53m NE	Railway Sidings	1938 - 1948	1527266
C	74m N	Railway Building	1904	1429023
C	76m NE	Unspecified Shaft	1938	1465238
C	79m N	Unspecified Tanks	1938 - 1948	1521868
C	85m NE	Sand Pit	1948	1411135
C	89m N	Unspecified Pit	1990	1451953
D	91m SE	Unspecified Level	1938	1486537
C	93m NE	Refuse Heap	1938	1493502



ID	Location	Land use	Dates present	Group ID
C	104m NE	Unspecified Shaft	1938	1524249
B	105m E	Unspecified Tanks	1968	1518417
B	105m E	Chimney	1968	1448232
B	105m NE	Refuse Heap	1938	1466119
C	112m NE	Unspecified Shaft	1948	1458645
C	112m NE	Unspecified Shaft	1948	1539948
B	113m E	Unspecified Tank	1948	1433463
C	124m N	Unspecified Shafts	1968	1420553
C	124m N	Unspecified Shaft	1977	1474766
D	132m E	Unspecified Heap	1968 - 1990	1469739
C	133m N	Unspecified Shaft	1951	1506060
B	134m E	Unspecified Tanks	1948	1496123
B	136m E	Unspecified Tanks	1951	1540996
B	138m E	Unspecified Tanks	1948	1482883
B	138m E	Unspecified Tanks	1938 - 1948	1496122
D	139m SE	Unspecified Level	1948	1544107
D	140m SE	Refuse Heap	1938	1436601
D	140m SE	Unspecified Level	1951	1499411
C	149m N	Unspecified Shafts	1968	1420552
E	155m S	Unspecified Mill	1990	1531549
E	155m S	Unspecified Mills	1951	1521983
E	155m S	Unspecified Mills	1968 - 1977	1542455
E	164m SW	Unspecified Mills	1938 - 1948	1513937
E	167m SW	Unspecified Mills	1892	1460577
B	168m E	Unspecified Pit	1951	1510617
F	168m W	Unspecified Commercial/Industrial	1977	1410503
F	168m W	Unspecified Mill	1968	1517787
F	173m W	Unspecified Disused Mill	1951	1511640



ID	Location	Land use	Dates present	Group ID
C	175m N	Unspecified Shaft	1951	1544516
F	177m W	Unspecified Disused Mill	1938 - 1948	1501637
F	177m W	Unspecified Mill	1892 - 1904	1550586
C	179m N	Unspecified Shaft	1948	1485745
C	179m N	Unspecified Shaft	1948	1550143
B	180m E	Unspecified Ground Workings	1938	1412241
G	182m S	Cuttings	1951	1483676
E	187m SW	Unspecified Mill	1904	1459783
B	189m E	Unspecified Pit	1977	1486831
G	190m S	Cuttings	1938 - 1948	1509340
G	190m S	Cuttings	1892 - 1904	1538790
G	195m S	Cuttings	1977 - 1990	1492433
G	198m S	Cuttings	1968	1478594
H	205m N	Colliery	1948	1536356
H	205m N	Colliery	1938	1515837
H	211m N	Unspecified Commercial/Industrial	1990	1410502
H	211m N	Unspecified Works	1968 - 1977	1517267
H	213m N	Colliery	1951	1461540
H	225m N	Unspecified Tanks	1948	1425780
4	249m E	Magazine	1892	1435671
5	249m N	Unspecified Tank	1938	1433337
H	264m N	Refuse Heap	1948	1518145
H	264m N	Refuse Heap	1938	1553817
H	267m N	Refuse Heap	1951	1521141
H	270m N	Unspecified Pit	1968	1451954
7	281m N	Tramway Sidings	1938 - 1948	1519022
J	288m W	Sewage Works	1938	1531833
J	290m W	Sewage Works	1948	1505946



ID	Location	Land use	Dates present	Group ID
8	293m E	Unspecified Old Shaft	1938 - 1948	1532353
9	299m SW	Unspecified Ground Workings	1938	1412278
K	306m N	Cuttings	1892 - 1904	1545555
10	347m SE	Nurseries	1968 - 1990	1500467
11	362m N	Fireworks Factories	1951	1538343
K	365m N	Cuttings	1938	1529802
K	366m N	Cuttings	1948	1469507
L	368m SW	Unspecified Works	1977	1438199
L	368m SW	Sewage Works	1951	1461838
L	368m SW	Sewage Works	1968	1540144
L	373m SW	Sewage Works	1938 - 1948	1494709
K	374m N	Cuttings	1951	1527517
L	377m SW	Sewage Works	1948	1499542
M	391m S	Unspecified Heap	1938	1509566
M	396m S	Unspecified Heap	1948	1522207
O	410m NE	Old Air Shaft	1904	1418352
O	410m NE	Unspecified Old Shaft	1938	1485532
O	411m NE	Unspecified Old Shaft	1948	1464775
O	417m NE	Unspecified Old Shaft	1951	1418275
L	426m SW	Unspecified Tank	1968 - 1977	1522002
P	429m NE	Fireworks Factories	1938	1471809
Q	435m E	Unspecified Heap	1948	1478502
Q	437m E	Unspecified Heap	1904	1480527
Q	437m E	Unspecified Heap	1938	1549606
Q	441m E	Unspecified Hole	1951	1478217
12	442m SE	Unspecified Mill	1968 - 1977	1556452
R	447m N	Unspecified Works	1968	1438197
Q	447m E	Unspecified Old Shaft	1948	1541286



ID	Location	Land use	Dates present	Group ID
Q	462m E	Unspecified Hole	1904	1458963
Q	468m E	Unspecified Old Shaft	1951	1418276
Q	470m E	Unspecified Old Hole	1948	1422004
Q	470m E	Unspecified Old Shaft	1938	1418277
L	470m S	Unspecified Tanks	1968 - 1977	1478573
L	470m SW	Unspecified Tanks	1948 - 1951	1527115
L	474m SW	Sewage Tanks	1938	1421768
P	480m N	Unspecified Works	1968	1483159
Q	492m E	Unspecified Disused Shaft	1968 - 1990	1467099
Q	493m E	Unspecified Old Shaft	1904	1418278
Q	493m E	Unspecified Old Hole	1938	1422003
R	493m N	Fireworks Manufactory	1892 - 1904	1462613
R	494m N	Fireworks Factories	1938	1520053

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

18

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
1	On site	Unspecified Tank	1972	223387
A	On site	Unspecified Tank	1972	223386
A	On site	Tanks	1960	230506
3	86m W	Unspecified Tank	1972	223385
B	112m E	Tanks	1960	230497



ID	Location	Land use	Dates present	Group ID
B	123m E	Tanks	1960	230495
B	143m E	Unspecified Tank	1960	223398
B	144m E	Tanks	1960	230498
B	148m E	Tanks	1960	230496
B	151m E	Tanks	1960	230493
B	163m E	Tanks	1960	230494
B	171m E	Unspecified Tank	1960	223400
B	172m E	Unspecified Tank	1960	223399
6	268m SW	Unspecified Tank	1893	223383
L	415m SW	Tanks	1913	230509
L	426m SW	Unspecified Tank	1960	223384
L	472m S	Tanks	1960	230507
L	473m SW	Tanks	1913 - 1960	236182

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

10

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

Features are displayed on the Past land use map on [page 14 >](#)

ID	Location	Land use	Dates present	Group ID
2	12m W	Electricity Substation	1972	129047
B	105m E	Electricity Substation	1972	129046
I	210m NW	Gas Governor	1985	133533
I	211m NW	Gas Governor	1985	133689
H	268m N	Electricity Substation	1985	145989



ID	Location	Land use	Dates present	Group ID
E	269m SW	Electricity Substation	1991	129048
H	271m N	Electricity Substation	1972	145434
N	406m N	Electricity Substation	1972	143199
N	411m N	Electricity Substation	1985	137811
13	467m NE	Electricity Substation	1985 - 1992	136420

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

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 ungrouped 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

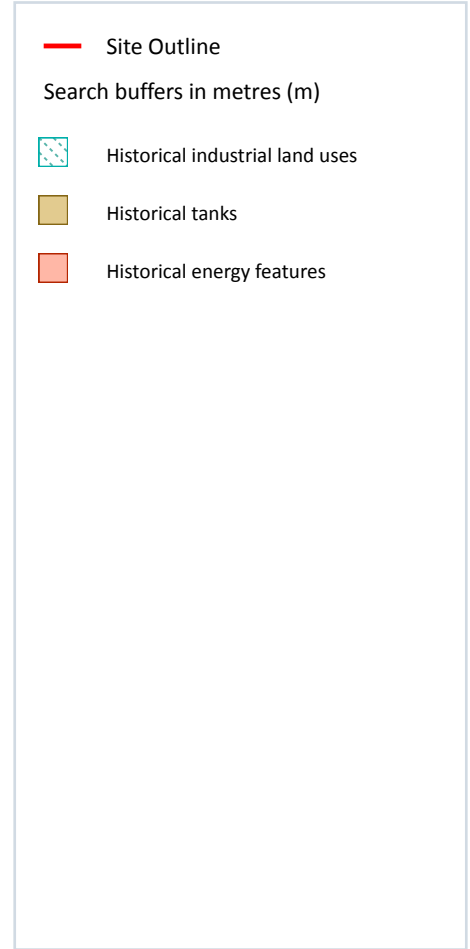
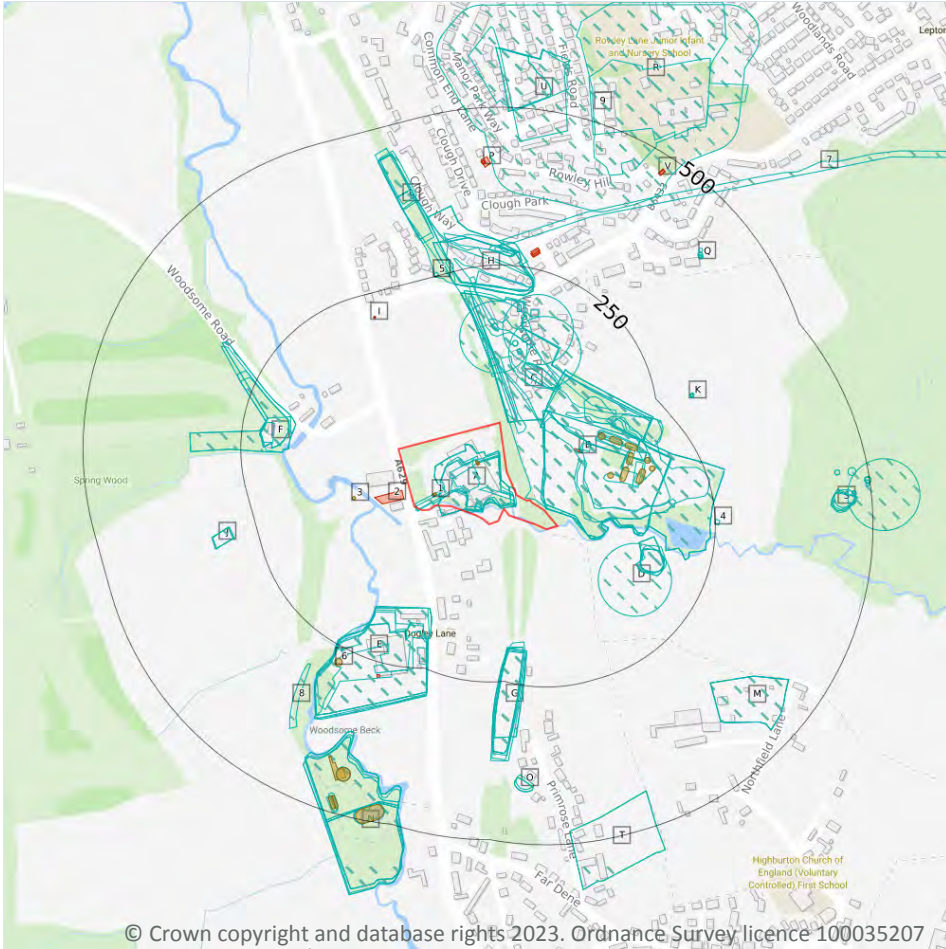
0

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



2.1 Historical industrial land uses

Records within 500m

168

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 ungrouped 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 22](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mill	1968	1555869
A	On site	Unspecified Mill	1977	1555869
A	On site	Unspecified Tank	1938	1546572

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mills	1938	1530223
A	On site	Unspecified Mills	1904	1458570
A	On site	Unspecified Mills	1892	1539276
A	On site	Unspecified Mill	1990	1555869
A	On site	Unspecified Mills	1951	1475525
A	On site	Unspecified Tank	1951	1546658
A	On site	Unspecified Tank	1948	1466735
A	On site	Unspecified Mills	1948	1465838
B	2m E	Colliery	1938	1524428
B	4m E	Brick Works	1948	1540808
B	4m E	Brick Works	1948	1540808
B	6m E	Brick Works	1938	1549375
B	9m E	Unspecified Works	1968	1438201
B	9m E	Unspecified Commercial/Industrial	1977	1410512
B	9m E	Brick Works	1951	1552519
C	13m NE	Colliery	1948	1536425
C	13m NE	Refuse Heap	1948	1553744
C	13m NE	Colliery	1948	1536425
C	13m NE	Refuse Heap	1948	1553744
C	18m NE	Refuse Heap	1938	1506816
C	22m NE	Refuse Heap	1968	1480974
B	45m E	Refuse Heap	1968	1535106
B	48m E	Refuse Heap	1977	1501414
C	53m NE	Railway Sidings	1938	1527266
C	57m NE	Railway Sidings	1948	1527266
C	74m N	Railway Building	1904	1429023
C	76m NE	Unspecified Shaft	1938	1465238
C	79m N	Unspecified Tanks	1938	1521868



ID	Location	Land Use	Date	Group ID
C	85m NE	Sand Pit	1948	1411135
C	89m N	Unspecified Pit	1990	1451953
D	91m SE	Unspecified Level	1938	1486537
C	93m NE	Refuse Heap	1938	1493502
C	104m NE	Unspecified Shaft	1938	1524249
B	105m E	Unspecified Tanks	1968	1518417
B	105m E	Chimney	1968	1448232
B	105m NE	Refuse Heap	1938	1466119
C	112m NE	Unspecified Shaft	1948	1458645
C	112m NE	Unspecified Shaft	1948	1539948
B	113m E	Unspecified Tank	1948	1433463
C	124m N	Unspecified Shafts	1968	1420553
C	124m N	Unspecified Shaft	1977	1474766
D	132m E	Unspecified Heap	1968	1469739
D	132m E	Unspecified Heap	1977	1469739
D	132m E	Unspecified Heap	1990	1469739
C	133m N	Unspecified Shaft	1951	1506060
B	134m E	Unspecified Tanks	1948	1496123
B	136m E	Unspecified Tanks	1951	1540996
B	138m E	Unspecified Tanks	1948	1482883
B	138m E	Unspecified Tanks	1948	1496122
D	139m SE	Unspecified Level	1948	1544107
D	139m SE	Unspecified Level	1948	1544107
D	140m SE	Refuse Heap	1938	1436601
D	140m SE	Unspecified Level	1951	1499411
B	141m E	Unspecified Tanks	1938	1496122
C	146m N	Unspecified Tanks	1948	1521868
C	149m N	Unspecified Shafts	1968	1420552



ID	Location	Land Use	Date	Group ID
E	155m S	Unspecified Mill	1990	1531549
E	155m S	Unspecified Mills	1968	1542455
E	155m S	Unspecified Mills	1977	1542455
E	155m S	Unspecified Mills	1951	1521983
E	164m SW	Unspecified Mills	1938	1513937
E	167m SW	Unspecified Mills	1892	1460577
B	168m E	Unspecified Pit	1951	1510617
F	168m W	Unspecified Mill	1968	1517787
F	168m W	Unspecified Commercial/Industrial	1977	1410503
F	173m W	Unspecified Disused Mill	1951	1511640
C	175m N	Unspecified Shaft	1951	1544516
F	177m W	Unspecified Disused Mill	1938	1501637
F	177m W	Unspecified Mill	1904	1550586
F	177m W	Unspecified Mill	1892	1550586
C	179m N	Unspecified Shaft	1948	1550143
C	179m N	Unspecified Shaft	1948	1485745
B	180m E	Unspecified Ground Workings	1938	1412241
G	182m S	Cuttings	1951	1483676
E	183m S	Unspecified Mills	1948	1513937
E	187m SW	Unspecified Mill	1904	1459783
B	189m E	Unspecified Pit	1977	1486831
G	190m S	Cuttings	1938	1509340
G	190m S	Cuttings	1904	1538790
G	190m S	Cuttings	1892	1538790
G	195m S	Cuttings	1977	1492433
G	195m S	Cuttings	1990	1492433
G	198m S	Cuttings	1968	1478594
F	199m W	Unspecified Disused Mill	1948	1501637



ID	Location	Land Use	Date	Group ID
G	200m S	Cuttings	1948	1509340
H	205m N	Colliery	1948	1536356
H	205m N	Colliery	1948	1536356
H	205m N	Colliery	1938	1515837
H	211m N	Unspecified Works	1968	1517267
H	211m N	Unspecified Works	1977	1517267
H	211m N	Unspecified Commercial/Industrial	1990	1410502
H	213m N	Colliery	1951	1461540
H	225m N	Unspecified Tanks	1948	1425780
4	249m E	Magazine	1892	1435671
5	249m N	Unspecified Tank	1938	1433337
H	264m N	Refuse Heap	1948	1518145
H	264m N	Refuse Heap	1948	1518145
H	264m N	Refuse Heap	1938	1553817
H	267m N	Refuse Heap	1951	1521141
H	270m N	Unspecified Pit	1968	1451954
7	281m N	Tramway Sidings	1948	1519022
J	288m W	Sewage Works	1938	1531833
J	290m W	Sewage Works	1948	1505946
J	290m W	Sewage Works	1948	1505946
K	293m E	Unspecified Old Shaft	1948	1532353
K	293m E	Unspecified Old Shaft	1948	1532353
K	295m E	Unspecified Old Shaft	1938	1532353
8	299m SW	Unspecified Ground Workings	1938	1412278
L	306m N	Cuttings	1904	1545555
L	312m N	Cuttings	1892	1545555
M	347m SE	Nurseries	1968	1500467
M	347m SE	Nurseries	1977	1500467



ID	Location	Land Use	Date	Group ID
M	347m SE	Nurseries	1990	1500467
9	362m N	Fireworks Factories	1951	1538343
L	365m N	Cuttings	1938	1529802
L	366m N	Cuttings	1948	1469507
N	368m SW	Sewage Works	1968	1540144
N	368m SW	Unspecified Works	1977	1438199
N	368m SW	Sewage Works	1951	1461838
N	373m SW	Sewage Works	1938	1494709
L	374m N	Cuttings	1951	1527517
N	377m SW	Sewage Works	1948	1499542
N	377m SW	Sewage Works	1948	1499542
O	391m S	Unspecified Heap	1938	1509566
O	396m S	Unspecified Heap	1948	1522207
O	396m S	Unspecified Heap	1948	1522207
Q	410m NE	Old Air Shaft	1904	1418352
Q	410m NE	Unspecified Old Shaft	1938	1485532
Q	411m NE	Unspecified Old Shaft	1948	1464775
Q	411m NE	Unspecified Old Shaft	1948	1464775
Q	417m NE	Unspecified Old Shaft	1951	1418275
N	426m SW	Unspecified Tank	1968	1522002
N	426m SW	Unspecified Tank	1977	1522002
R	429m NE	Fireworks Factories	1938	1471809
S	435m E	Unspecified Heap	1948	1478502
S	435m E	Unspecified Heap	1948	1478502
S	437m E	Unspecified Heap	1904	1480527
S	437m E	Unspecified Heap	1938	1549606
S	441m E	Unspecified Hole	1951	1478217
T	442m SE	Unspecified Mill	1968	1556452



ID	Location	Land Use	Date	Group ID
T	442m SE	Unspecified Mill	1977	1556452
U	447m N	Unspecified Works	1968	1438197
S	447m E	Unspecified Old Shaft	1948	1541286
S	447m E	Unspecified Old Shaft	1948	1541286
S	462m E	Unspecified Hole	1904	1458963
N	466m S	Sewage Works	1938	1494709
N	468m S	Sewage Works	1948	1494709
N	468m S	Sewage Works	1948	1494709
S	468m E	Unspecified Old Shaft	1951	1418276
S	470m E	Unspecified Old Hole	1948	1422004
S	470m E	Unspecified Old Shaft	1938	1418277
N	470m S	Unspecified Tanks	1968	1478573
N	470m S	Unspecified Tanks	1977	1478573
N	470m SW	Unspecified Tanks	1951	1527115
N	474m SW	Sewage Tanks	1938	1421768
N	474m SW	Unspecified Tanks	1948	1527115
R	480m N	Unspecified Works	1968	1483159
S	492m E	Unspecified Disused Shaft	1968	1467099
S	492m E	Unspecified Disused Shaft	1977	1467099
S	492m E	Unspecified Disused Shaft	1990	1467099
S	493m E	Unspecified Old Shaft	1904	1418278
S	493m E	Unspecified Old Hole	1938	1422003
U	493m N	Fireworks Manufactory	1904	1462613
U	493m N	Fireworks Manufactory	1892	1462613
U	494m N	Fireworks Factories	1938	1520053

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

19

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 22 >](#)

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Tank	1972	223387
A	On site	Tanks	1960	230506
A	On site	Unspecified Tank	1972	223386
3	86m W	Unspecified Tank	1972	223385
B	112m E	Tanks	1960	230497
B	123m E	Tanks	1960	230495
B	143m E	Unspecified Tank	1960	223398
B	144m E	Tanks	1960	230498
B	148m E	Tanks	1960	230496
B	151m E	Tanks	1960	230493
B	163m E	Tanks	1960	230494
B	171m E	Unspecified Tank	1960	223400
B	172m E	Unspecified Tank	1960	223399
6	268m SW	Unspecified Tank	1893	223383
N	415m SW	Tanks	1913	230509
N	426m SW	Unspecified Tank	1960	223384
N	472m S	Tanks	1960	230507
N	473m SW	Tanks	1960	236182
N	476m SW	Tanks	1913	236182

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

13

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 22 >](#)

ID	Location	Land Use	Date	Group ID
2	12m W	Electricity Substation	1972	129047
B	105m E	Electricity Substation	1972	129046
I	210m NW	Gas Governor	1985	133533
I	211m NW	Gas Governor	1985	133689
H	268m N	Electricity Substation	1985	145989
H	268m N	Electricity Substation	1985	145989
E	269m SW	Electricity Substation	1991	129048
H	271m N	Electricity Substation	1972	145434
P	406m N	Electricity Substation	1972	143199
P	411m N	Electricity Substation	1985	137811
P	411m N	Electricity Substation	1985	137811
V	467m NE	Electricity Substation	1985	136420
V	468m NE	Electricity Substation	1992	136420

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

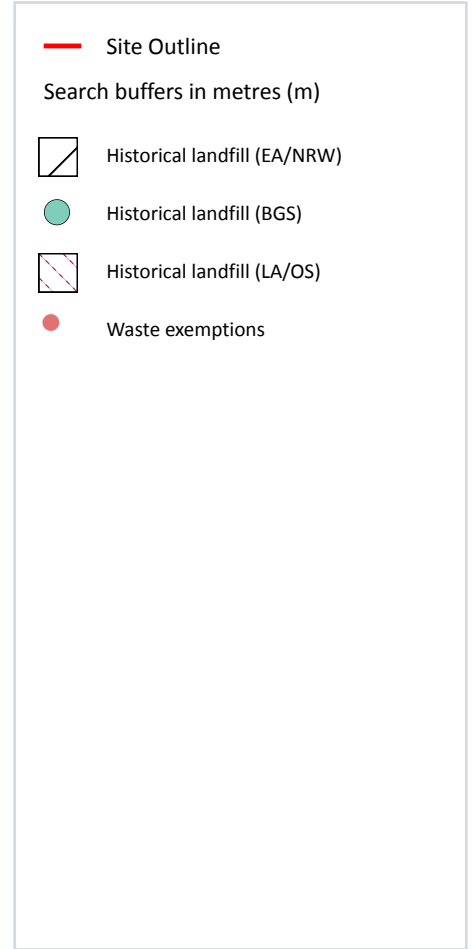
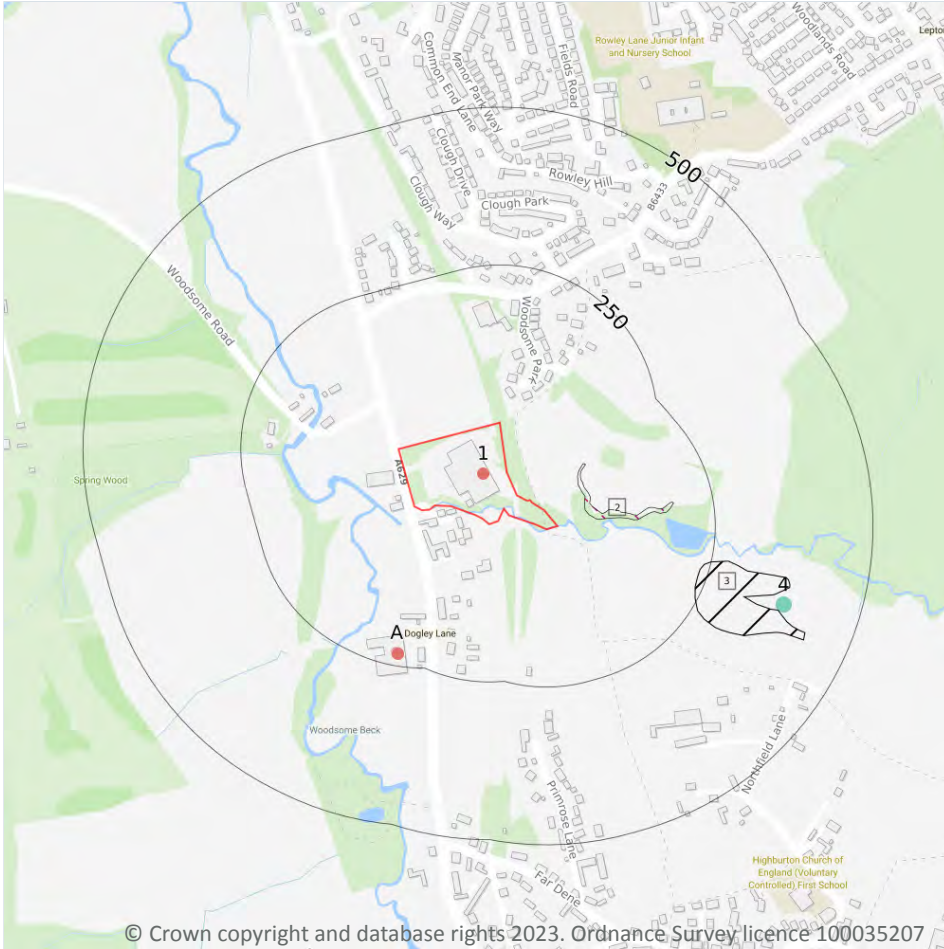
0

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 **1**

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.

Features are displayed on the Waste and landfill map on [page 32 >](#)

ID	Location	Address	BGS Number	Risk	Waste Type
4	380m E	Netheroyd Hill Tip, Netheroyd Hill Rd, H'field	2139	No risk to aquifer	N/A

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 32 >](#)

ID	Location	Site address	Source	Data type
2	51m E	Refuse Tip	1972 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	1
----------------------------	----------

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

Features are displayed on the Waste and landfill map on [page 32 >](#)

ID	Location	Details		
3	236m SE	Site Address: Netheroyd Hill Tip, Netheroyd Hill Road, Huddersfield, West Yorkshire Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Huddersfield County Borough, Borough Engineers Department Licence Holder: - First Recorded: - Last Recorded: -

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

4

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 32 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	On site	ROWLEY MILLS, PENISTONE ROAD, FENAY BRIDGE, HUDDERSFIELD, HD8 0LE	WEX298364	Treating waste exemption	Not on a Farm	Treatment of waste aerosol cans
A	230m S	Dogley Mills Penistone Road HUDDERSFIELD HD8 0LE	EPR/GF0303X Q/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
A	231m S	DOGLEY MILLS, PENISTONE ROAD, FENAY BRIDGE, HUDDERSFIELD, HD8 0LE	WEX123671	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	231m S	-	WEX263319	Storing waste exemption	Not on a farm	Storage of waste in secure containers

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed Discharges to controlled waters
- List 2 Dangerous Substances

4.1 Recent industrial land uses

Records within 250m

7

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Company	Address	Activity	Category
A	On site	Reliance Precision Ltd	Rowley Mills, Penistone Road, Fenay Bridge, Huddersfield, West Yorkshire, HD8 0LE	Precision Engineers	Engineering Services
C	27m W	Easilift Loading Systems Ltd	Pembroke House, Penistone Road, Fenay Bridge, Huddersfield, West Yorkshire, HD8 0LF	Lifting and Handling Equipment	Industrial Products



ID	Location	Company	Address	Activity	Category
C	40m W	Brewfitt	International House, Penistone Road, Fenay Bridge, Huddersfield, West Yorkshire, HD8 0LE	Food and Beverage Industry Machinery	Industrial Products
C	40m W	Electricity Sub Station	West Yorkshire, HD8	Electrical Features	Infrastructure and Facilities
C	51m W	Electricity Sub Station	West Yorkshire, HD8	Electrical Features	Infrastructure and Facilities
1	212m NW	Gas Governor Station	West Yorkshire, HD8	Gas Features	Infrastructure and Facilities
2	231m S	Connection	Dogley Mills, Penistone Road, Fenay Bridge, Huddersfield, West Yorkshire, HD8 0LE	Office and Shop Equipment	Industrial Products

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0
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Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0
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Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0
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Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0
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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

0

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

This data is sourced from Local Authority records.

4.12 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

5

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 35 >](#)

ID	Location	Address	Details	
B	9m SE	ROWLEY MILLS, PENISTONE ROAD, LEPTON, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA8969 Permit Version: 1 Receiving Water: BELDON BROOK VIA OLD MILL POND	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/07/2006 Effective Date: 27/07/2006 Revocation Date: -
B	9m SE	ROWLEY MILLS, PENISTONE ROAD, LEPTON, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA8969 Permit Version: 1 Receiving Water: BELDON BROOK VIA OLD MILL POND	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 27/07/2006 Effective Date: 27/07/2006 Revocation Date: -

ID	Location	Address	Details	
3	384m W	WOODSOME GOLF CLUB, FENAY BRIDGE, HUDDERSFIELD, WEST YORKSHIRE, HD8 0LQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: WRA8218 Permit Version: 1 Receiving Water: SPRINGWOOD BECK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 09/06/2004 Effective Date: 09/06/2004 Revocation Date: -
D	470m S	DOGLEY CSO, DOGLEY LANE (OFF), KIRKBURTON, HUDDERSFIELD, WEST YORKSHIRE, HD8 0RA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9237 Permit Version: 2 Receiving Water: WOODSOME BECK	Status: VARIED UNDER EPR 2010 Issue date: 09/08/2019 Effective Date: 09/08/2019 Revocation Date: -
D	470m S	DOGLEY CSO, DOGLEY LANE (OFF), KIRKBURTON, HUDDERSFIELD, WEST YORKSHIRE, HD8 0RA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA9237 Permit Version: 1 Receiving Water: WOODSOME BECK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 31/08/2007 Effective Date: 31/08/2007 Revocation Date: 08/08/2019

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

4.14 Pollutant release to surface waters (Red List)

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

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

4.15 Pollutant release to public sewer

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

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

1

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.

Features are displayed on the Current industrial land use map on [page 35 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
A	On site	Reliance Gear Company Ltd,lepton,huddersfield	Not Active	Unknown	Chromium

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

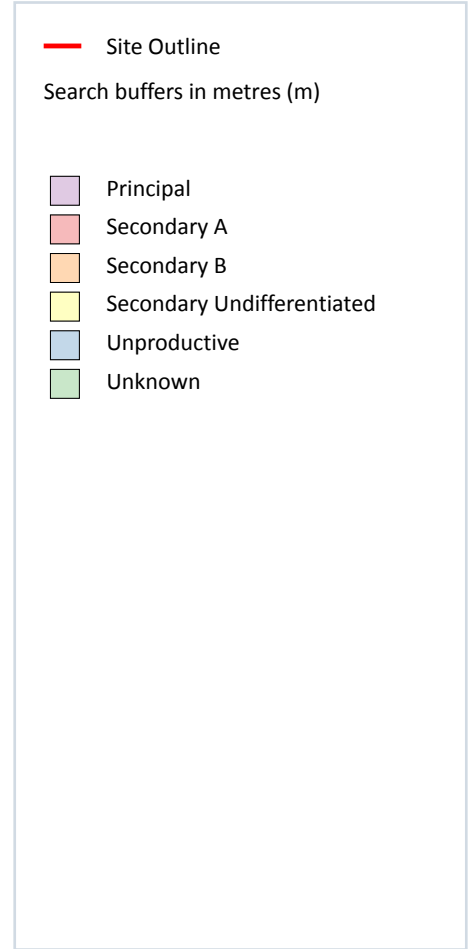
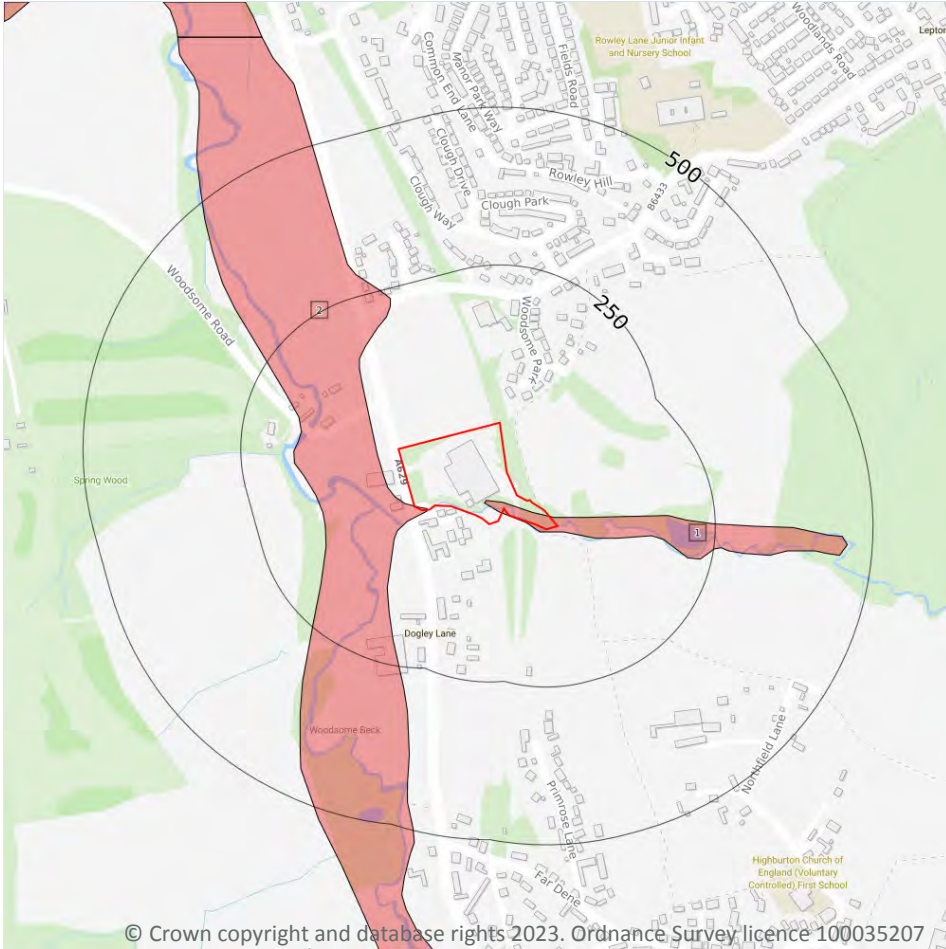
0

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

2

Aquifer status of groundwater held within superficial geology.

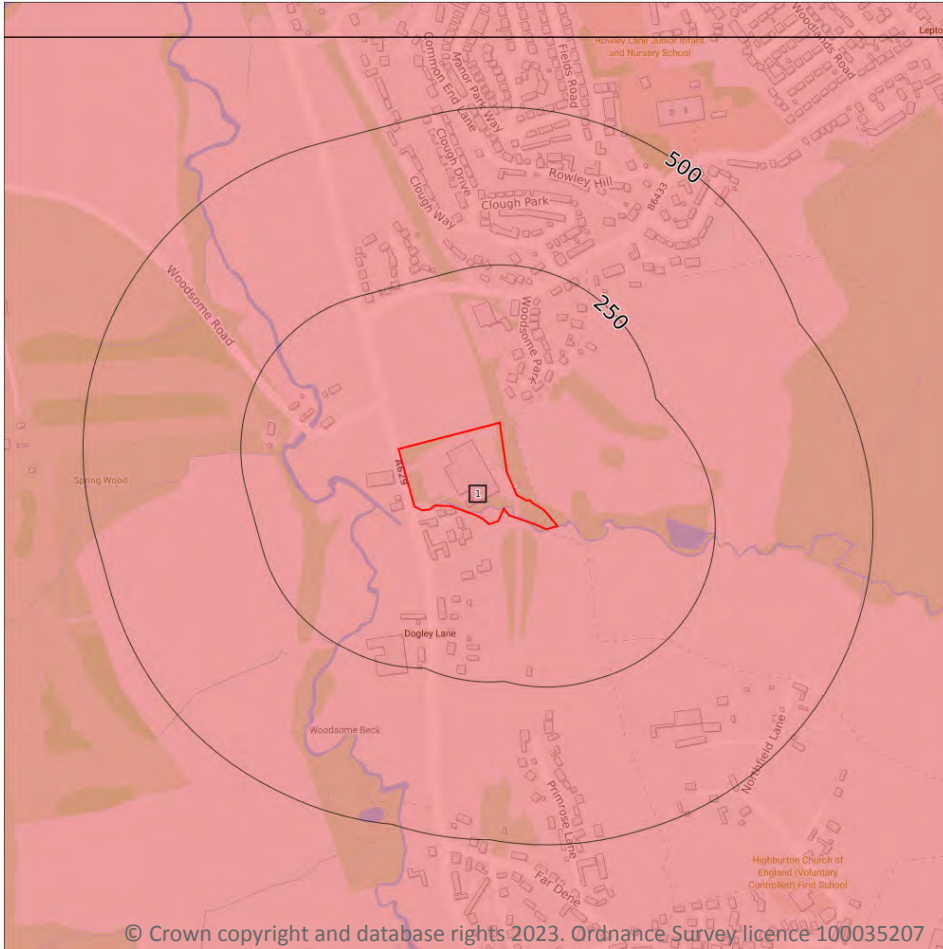
Features are displayed on the Hydrogeology map on [page 42](#) >

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

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

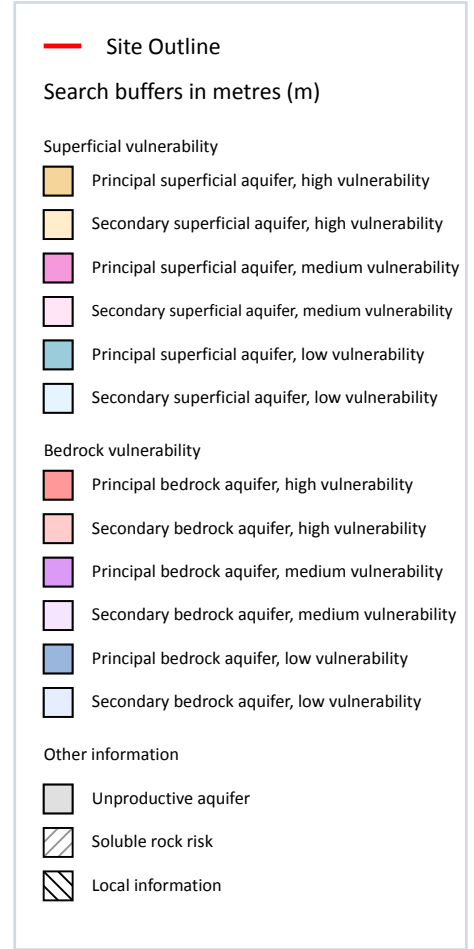
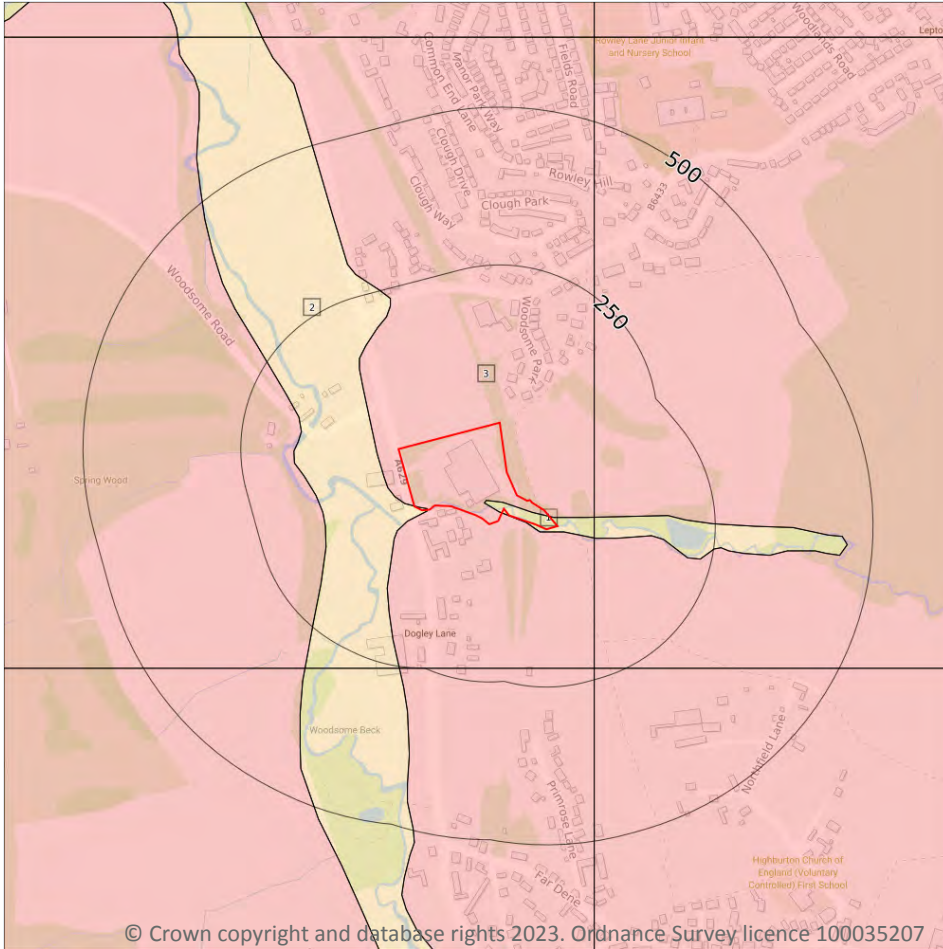
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 44](#) >

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

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

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 45 >](#)

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300-550mm/year	Vulnerability: High Aquifer type: Secondary 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 - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% 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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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

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



Abstractions and Source Protection Zones



5.6 Groundwater abstractions

Records within 2000m

24

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 47 >](#)

ID	Location	Details	
A	On site	Status: Active Licence No: 2/27/11/077 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-FENAY BRIDGE Data Type: Point Name: RELIANCE PRECISION LTD Easting: 418848 Northing: 414310	Annual Volume (m ³): 85000 Max Daily Volume (m ³): 1200 Original Application No: NPS/WR/016706 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 104 Version Start Date: 13/10/2014 Version End Date: -
A	On site	Status: Active Licence No: 2/27/11/077 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-FENAY BRIDGE Data Type: Point Name: RELIANCE PRECISION LTD Easting: 418848 Northing: 414310	Annual Volume (m ³): 85000 Max Daily Volume (m ³): 1200 Original Application No: NPS/WR/016706 Original Start Date: 17/03/1966 Expiry Date: - Issue No: 104 Version Start Date: 13/10/2014 Version End Date: -
A	On site	Status: Historical Licence No: 2/27/11/077 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: SPRINGWOOD ENGINEERING CO LTD Easting: 418800 Northing: 414300	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: 23/12/1981 Version End Date: -
A	On site	Status: Historical Licence No: 2/27/11/077 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - FENAY BRIDGE Data Type: Point Name: RELIANCE GEAR CO LTD Easting: 418800 Northing: 414300	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: 03/07/2001 Version End Date: -
A	On site	Status: Historical Licence No: 2/27/11/077 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-FENAY BRIDGE Data Type: Point Name: RELIANCE PRECISION LTD Easting: 418850 Northing: 414310	Annual Volume (m ³): 59099 Max Daily Volume (m ³): 286.4 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 20/04/2005 Version End Date: -



ID	Location	Details	
A	On site	Status: Historical Licence No: 2/27/11/077 Details: Process Water Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-FENAY BRIDGE Data Type: Point Name: RELIANCE PRECISION LTD Easting: 418850 Northing: 414310	Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 22/06/2006 Version End Date: -
A	On site	Status: Historical Licence No: 2/27/11/077 Details: Non-Evaporative Cooling Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-FENAY BRIDGE Data Type: Point Name: RELIANCE PRECISION LTD Easting: 418850 Northing: 414310	Annual Volume (m³): 360000 Max Daily Volume (m³): 1200 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 22/06/2006 Version End Date: -
1	334m W	Status: Active Licence No: NE/027/0011/029 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE IN SANDSTONE AT WOODSOME HALL Data Type: Point Name: WOODSOME HALL GOLF CLUB LTD Easting: 418356 Northing: 414372	Annual Volume (m ³): 9400 Max Daily Volume (m ³): 63 Original Application No: NPS/WR/032376 Original Start Date: 15/10/2020 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 15/10/2020 Version End Date: -
-	1013m S	Status: Active Licence No: 2/27/11/177 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-KIRKBURTON Data Type: Point Name: UBRIQUE INVESTMENTS LTD Easting: 418510 Northing: 413260	Annual Volume (m ³): 71000 Max Daily Volume (m ³): 210 Original Application No: 6690 Original Start Date: 10/10/1995 Expiry Date: - Issue No: 105 Version Start Date: 15/06/2006 Version End Date: -
-	1013m S	Status: Historical Licence No: 2/27/11/177 Details: Raw Water Supply Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-KIRKBURTON Data Type: Point Name: UNIVERSITY OF HUDDERSFIELD Easting: 418510 Northing: 413260	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/10/1995 Expiry Date: - Issue No: 103 Version Start Date: 08/11/2002 Version End Date: -



ID	Location	Details	
-	1070m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - LOWER COAL MEASURES - BROOKFIELD MILLS Data Type: Point Name: PENMOOR UK LTD Easting: 418964 Northing: 413151	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 107 Version Start Date: 17/08/2016 Version End Date: -
-	1074m S	Status: Historical Licence No: 2/27/11/177 Details: Raw Water Supply Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - KIRKBURTON Data Type: Point Name: UNIVERSITY OF HUDDERSFIELD Easting: 418500 Northing: 413200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 10/10/1995 Expiry Date: - Issue No: 102 Version Start Date: 31/07/1999 Version End Date: -
-	1141m S	Status: Active Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B3-LOWER COAL MEASURES- HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418989 Northing: 413081	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 1440 Original Application No: NPS/WR/032946 Original Start Date: 08/01/1982 Expiry Date: - Issue No: 109 Version Start Date: 06/10/2021 Version End Date: -
-	1159m S	Status: Active Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B2-LOWER COAL MEASURES- HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418949 Northing: 413061	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 1440 Original Application No: NPS/WR/032946 Original Start Date: 08/01/1982 Expiry Date: - Issue No: 109 Version Start Date: 06/10/2021 Version End Date: -

ID	Location	Details	
-	1162m SE	Status: Historical Licence No: 2/27/11/181 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: THOMAS BIRKHEAD & SONS LIMITED Easting: 419470 Northing: 413190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/12/1997 Expiry Date: - Issue No: 100 Version Start Date: 17/12/1997 Version End Date: -
-	1162m SE	Status: Historical Licence No: 2/27/11/181 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - COAL MEASURES - HIGH BURTON Data Type: Point Name: THOMAS BIRKHEAD & SONS LIMITED Easting: 419470 Northing: 413190	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/12/1997 Expiry Date: - Issue No: 100 Version Start Date: 17/12/1997 Version End Date: -
-	1211m S	Status: Active Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B1-LOWER COAL MEASURES-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418941 Northing: 413009	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 1440 Original Application No: NPS/WR/032946 Original Start Date: 08/01/1982 Expiry Date: - Issue No: 109 Version Start Date: 06/10/2021 Version End Date: -
-	1253m S	Status: Historical Licence No: 2/27/11/167 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE-LOWER COAL MEASURES-BROOKFIELD MILL-HIGHBURTON Data Type: Point Name: WHITLEY WILLOWS LTD Easting: 419010 Northing: 412970	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 103 Version Start Date: 08/09/2005 Version End Date: -



ID	Location	Details	
-	1253m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-LOWER COAL MEAURES- BROOKFIELD MILL-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 419010 Northing: 412970	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 104 Version Start Date: 26/07/2006 Version End Date: -
-	1253m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE A-LOWER COAL MEAURES- BROOKFIELD MILL-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 419010 Northing: 412970	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 106 Version Start Date: 17/08/2016 Version End Date: -
-	1260m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-LOWER COAL MEASURES- HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418940 Northing: 412960	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 104 Version Start Date: 26/07/2006 Version End Date: -
-	1260m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B-LOWER COAL MEASURES- HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418940 Northing: 412960	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 107 Version Start Date: 17/08/2016 Version End Date: -



ID	Location	Details	
-	1320m S	Status: Historical Licence No: 2/27/11/167 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE-LOWER COAL MEASURES-KIRKBURTON Data Type: Point Name: WHITLEY WILLOWS LTD Easting: 418910 Northing: 412900	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 103 Version Start Date: 08/09/2005 Version End Date: -
-	1320m S	Status: Historical Licence No: 2/27/11/167 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - LOWER COAL MEASURES - KIRKBURTON Data Type: Point Name: WHITLEY WILLOWS LTD Easting: 418900 Northing: 412900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 102 Version Start Date: 01/02/2002 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

9

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 47 >](#)

ID	Location	Details	
B	248m E	Status: Historical Licence No: 2/27/11/078 Details: Lake & Pond Throughflow Direct Source: SURFACE WATER Point: BELDON BROOK-FENAY BRIDGE-HUDDERSFIELD Data Type: Point Name: MALLINSON Easting: 419190 Northing: 414210	Annual Volume (m ³): 7728 Max Daily Volume (m ³): 254.58 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 20/06/2004 Version End Date: -



ID	Location	Details	
B	259m E	Status: Historical Licence No: 2/27/11/078 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: BELDON BROOK Data Type: Point Name: SPRINGWOOD ENGINEERING CO LTD Easting: 419200 Northing: 414200	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: 30/06/1980 Version End Date: -
B	259m E	Status: Historical Licence No: 2/27/11/078 Details: Lake & Pond Throughflow Direct Source: SURFACE WATER Point: BELDON BROOK - FENAY BRIDGE Data Type: Point Name: RELIANCE GEAR COMPANY LIMITED Easting: 419200 Northing: 414200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 18/06/2002 Version End Date: -
B	259m E	Status: Historical Licence No: 2/27/11/078 Details: Lake & Pond Throughflow Direct Source: SURFACE WATER Point: BELDON BROOK - FENAY BRIDGE Data Type: Point Name: RELIANCE GEAR CO LTD Easting: 419200 Northing: 414200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 102 Version Start Date: 18/06/2002 Version End Date: -
2	442m S	Status: Historical Licence No: 2/27/11/174 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: WOODSOME BECK Data Type: Point Name: KIRKLEES METROPOLITAN COUNCIL & KIRKLEES COUNTRYSIDE UNIT Easting: 418680 Northing: 413810	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 14/07/1994 Expiry Date: - Issue No: 100 Version Start Date: 14/07/1994 Version End Date: -
-	682m W	Status: Active Licence No: 2/27/11/156 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: POND - WOODSOME HALL Data Type: Point Name: WOODSOME HALL GOLF CLUB LTD Easting: 418010 Northing: 414290	Annual Volume (m ³): 2250 Max Daily Volume (m ³): 41 Original Application No: NPS/WR/034012 Original Start Date: 16/12/1970 Expiry Date: - Issue No: 101 Version Start Date: 13/10/2020 Version End Date: -



ID	Location	Details	
-	791m W	Status: Historical Licence No: 2/27/11/156 Details: Spray Irrigation - Direct Direct Source: SURFACE WATER Point: POND - WOODSOME HALL Data Type: Point Name: WOODSOME HALL GOLF CLUB LTD Easting: 417900 Northing: 414300	Annual Volume (m ³): 6819 Max Daily Volume (m ³): 40.91 Original Application No: - Original Start Date: 16/12/1970 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1970 Version End Date: -
-	1320m S	Status: Historical Licence No: 2/27/11/168 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: SHEPLEY DYKE Data Type: Point Name: PENMOOR UK LTD Easting: 418900 Northing: 412900	Annual Volume (m ³): 10500 Max Daily Volume (m ³): 136 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 103 Version Start Date: 26/07/2006 Version End Date: -
-	1320m S	Status: Historical Licence No: 2/27/11/168 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: SHEPLEY DYKE - HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418900 Northing: 412900	Annual Volume (m ³): 10500 Max Daily Volume (m ³): 136 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 103 Version Start Date: 16/03/2015 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m

9

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 47 >](#)



ID	Location	Details	
-	1013m S	Status: Active Licence No: 2/27/11/177 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-KIRKBURTON Data Type: Point Name: UBRIQUE INVESTMENTS LTD Easting: 418510 Northing: 413260	Annual Volume (m ³): 71000 Max Daily Volume (m ³): 210 Original Application No: 6690 Original Start Date: 10/10/1995 Expiry Date: - Issue No: 105 Version Start Date: 15/06/2006 Version End Date: -
-	1070m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE - LOWER COAL MEASURES - BROOKFIELD MILLS Data Type: Point Name: PENMOOR UK LTD Easting: 418964 Northing: 413151	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 107 Version Start Date: 17/08/2016 Version End Date: -
-	1141m S	Status: Active Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B3-LOWER COAL MEASURES-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418989 Northing: 413081	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 1440 Original Application No: NPS/WR/032946 Original Start Date: 08/01/1982 Expiry Date: - Issue No: 109 Version Start Date: 06/10/2021 Version End Date: -
-	1159m S	Status: Active Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B2-LOWER COAL MEASURES-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418949 Northing: 413061	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 1440 Original Application No: NPS/WR/032946 Original Start Date: 08/01/1982 Expiry Date: - Issue No: 109 Version Start Date: 06/10/2021 Version End Date: -



ID	Location	Details	
-	1211m S	Status: Active Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B1-LOWER COAL MEASURES-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418941 Northing: 413009	Annual Volume (m ³): 500000 Max Daily Volume (m ³): 1440 Original Application No: NPS/WR/032946 Original Start Date: 08/01/1982 Expiry Date: - Issue No: 109 Version Start Date: 06/10/2021 Version End Date: -
-	1253m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-LOWER COAL MEAURES-BROOKFIELD MILL-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 419010 Northing: 412970	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 104 Version Start Date: 26/07/2006 Version End Date: -
-	1253m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE A-LOWER COAL MEAURES-BROOKFIELD MILL-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 419010 Northing: 412970	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 106 Version Start Date: 17/08/2016 Version End Date: -
-	1260m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE-LOWER COAL MEASURES-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418940 Northing: 412960	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 104 Version Start Date: 26/07/2006 Version End Date: -



ID	Location	Details	
-	1260m S	Status: Historical Licence No: 2/27/11/167 Details: Water Bottling Direct Source: GROUNDWATERS Point: BOREHOLE B-LOWER COAL MEASURES-HIGHBURTON Data Type: Point Name: PENMOOR UK LTD Easting: 418940 Northing: 412960	Annual Volume (m ³): 225000 Max Daily Volume (m ³): 1000 Original Application No: - Original Start Date: 08/01/1982 Expiry Date: - Issue No: 107 Version Start Date: 17/08/2016 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

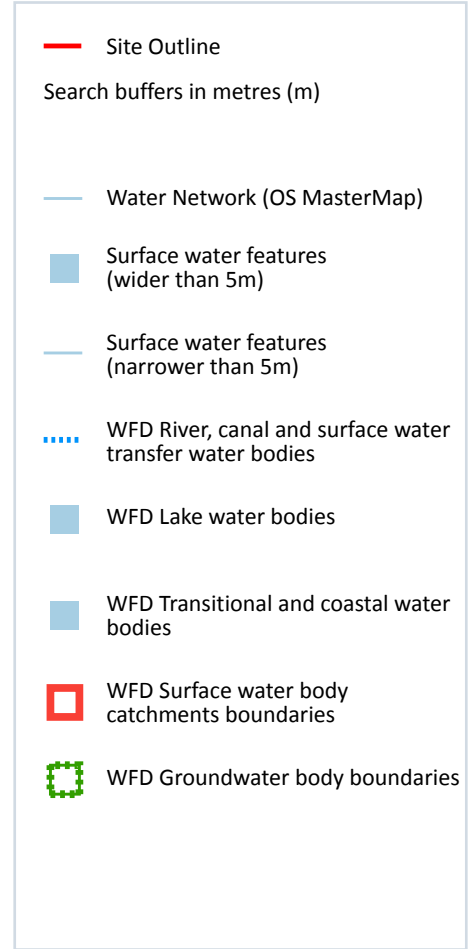
5.10 Source Protection Zones (confined aquifer)

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

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

6 Hydrology



6.1 Water Network (OS MasterMap)

Records within 250m

8

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 59](#) >

ID	Location	Type of water feature	Ground level	Permanence	Name
1	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Beldon Brook

ID	Location	Type of water feature	Ground level	Permanence	Name
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Beldon Brook
C	2m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Beldon Brook
3	56m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Fenay Beck
4	56m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Woodsome Beck
7	137m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Fenay Beck
A	178m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	182m W	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

4

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 59 >](#)

This data is sourced from the Ordnance Survey.

6.3 WFD Surface water body catchments

Records on site

1

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



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

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	Fenay beck from Source to River Colne	GB104027063340	Colne and Holme	Aire and Calder

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

6.4 WFD Surface water bodies

Records identified	1
---------------------------	----------

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 59 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
5	63m W	River	Fenay beck from Source to River Colne	GB104027063340 ↗	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 59 >](#)

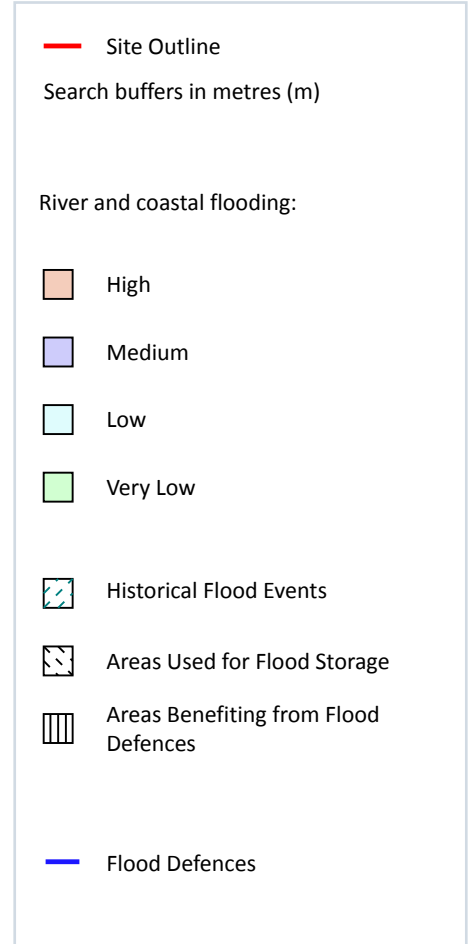
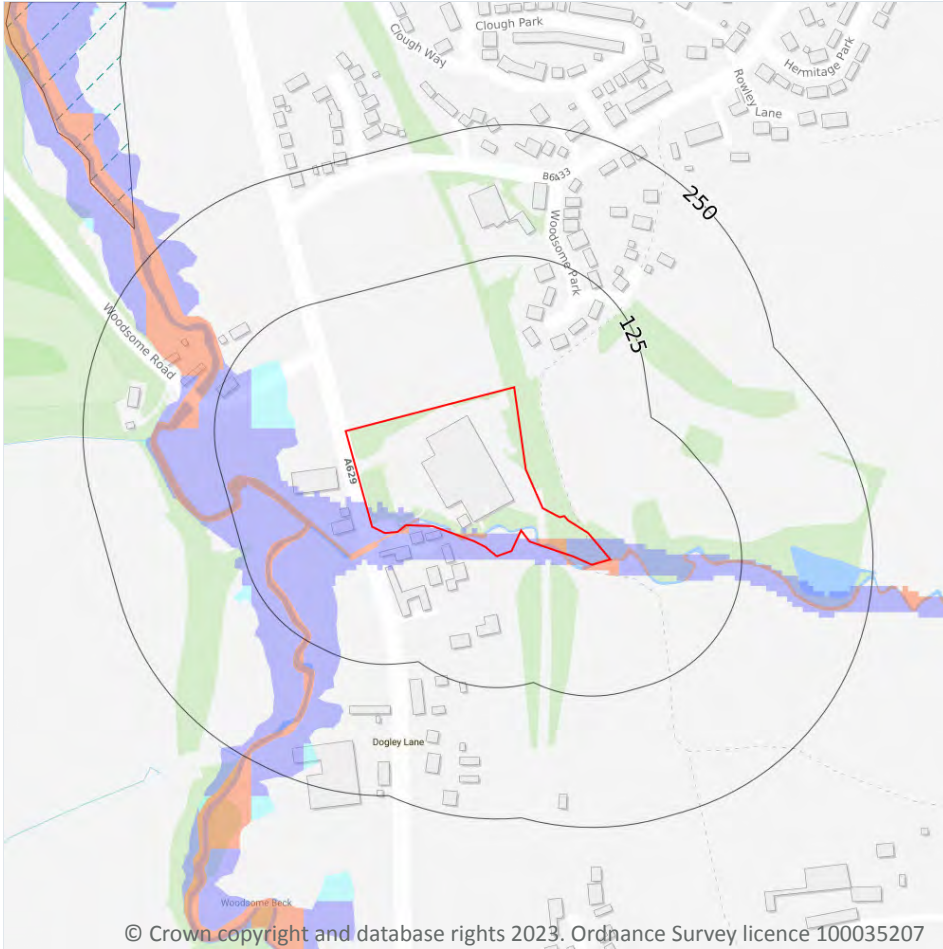
ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.	GB40402G700400 ↗	Poor	Poor	Good	2019



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



7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

14

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).

Features are displayed on the River and coastal flooding map on [page 63 >](#)

Distance	Flood risk category
On site	High
0 - 50m	High

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



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on [page 63](#) >

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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

7.7 Flood Zone 3

Records within 50m

1

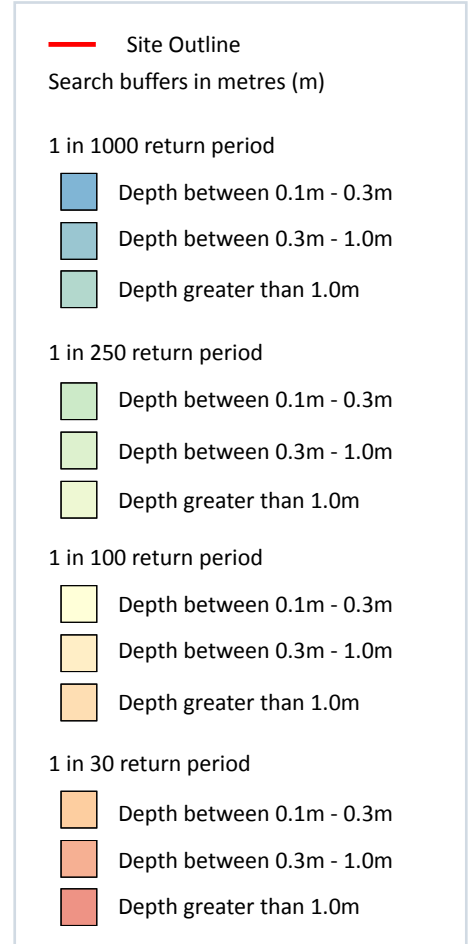
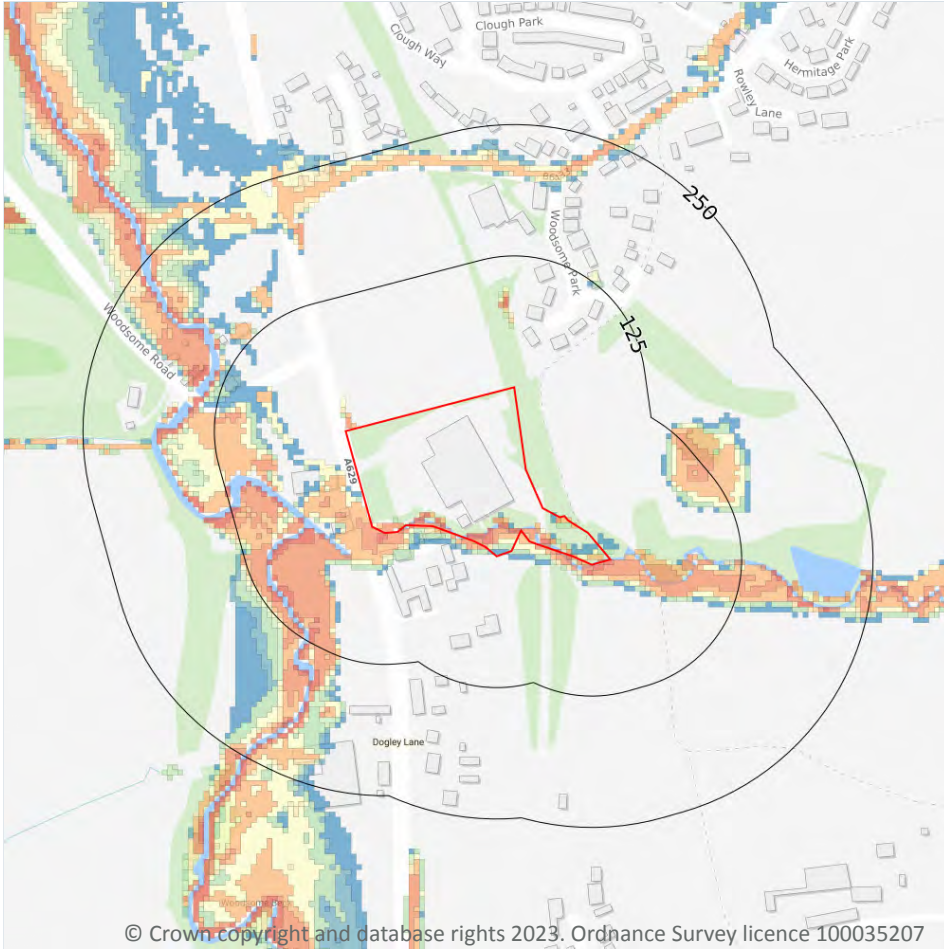
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on [page 63](#) >

Location	Type
On site	Zone 3 - (Fluvial Models)

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

8 Surface water flooding



8.1 Surface water flooding

Highest risk on site

1 in 30 year, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 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 67 >](#)

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	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

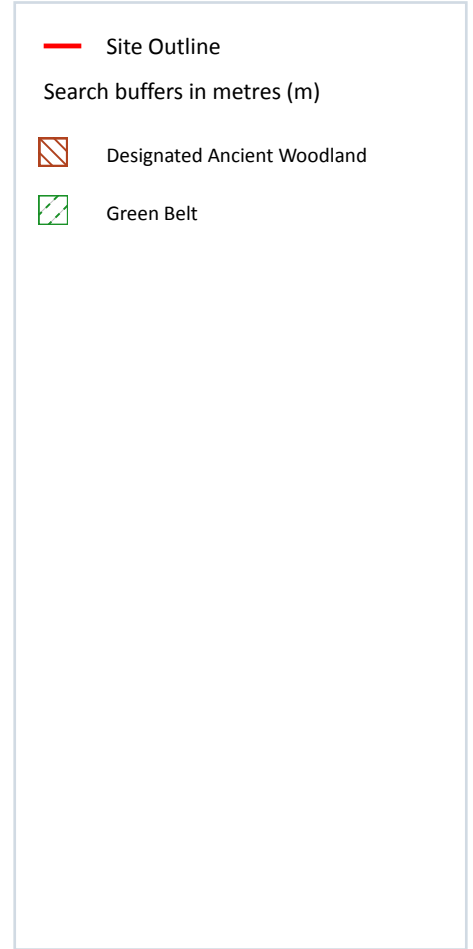
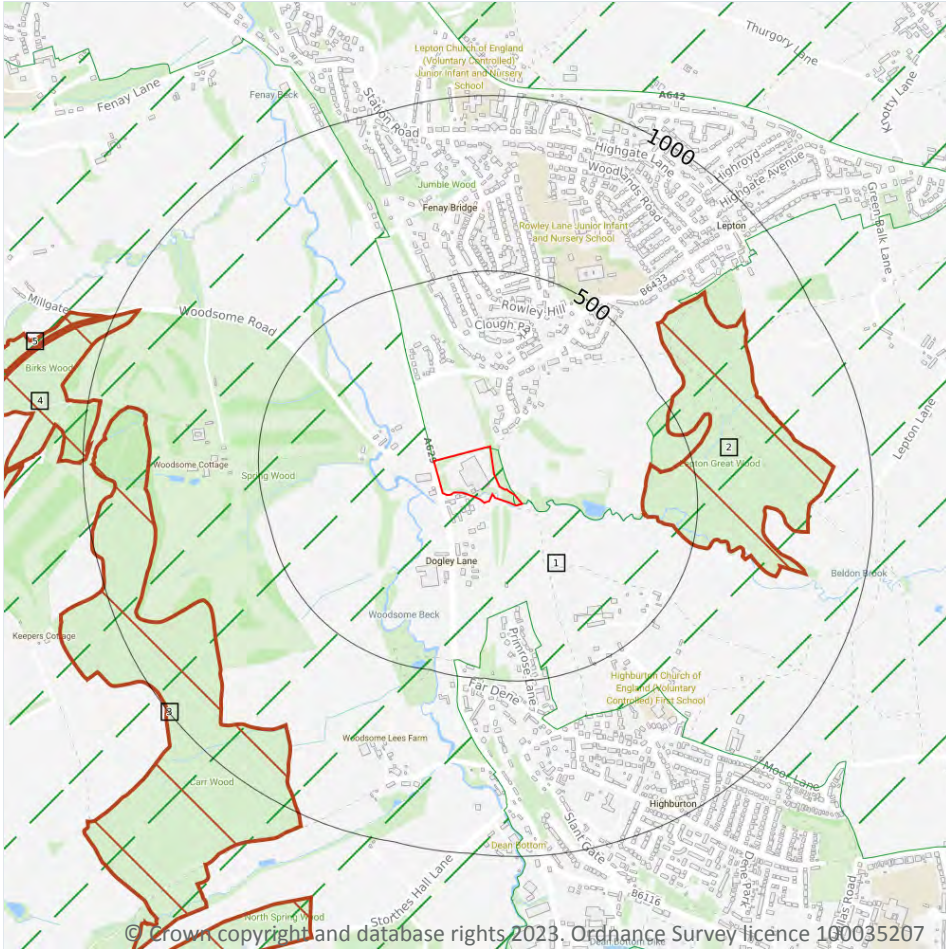
Low

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 69 >](#)

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

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

10

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 70 >](#)

ID	Location	Name	Woodland Type
2	343m E	Lepton Great Wood	Ancient & Semi-Natural Woodland
3	738m SW	Carr Wood	Ancient & Semi-Natural Woodland
4	945m NW	Carr Wood	Ancient & Semi-Natural Woodland
5	1032m NW	Carr Wood	Ancient & Semi-Natural Woodland
6	1173m W	Carr Wood	Ancient & Semi-Natural Woodland
7	1210m S	North Spring Wood	Ancient Replanted Woodland
-	1418m S	Hartley Bank Wood	Ancient Replanted Woodland
-	1476m W	Carr Wood	Ancient & Semi-Natural Woodland
-	1722m W	Farnley Bank And Stock Dove Woods	Ancient Replanted Woodland
-	1903m W	Carr Wood	Ancient & Semi-Natural Woodland

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



10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 70 >](#)

ID	Location	Name	Local Authority name
1	On site	South and West Yorkshire	Kirklees

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.



10.16 Nitrate Vulnerable Zones

Records within 2000m

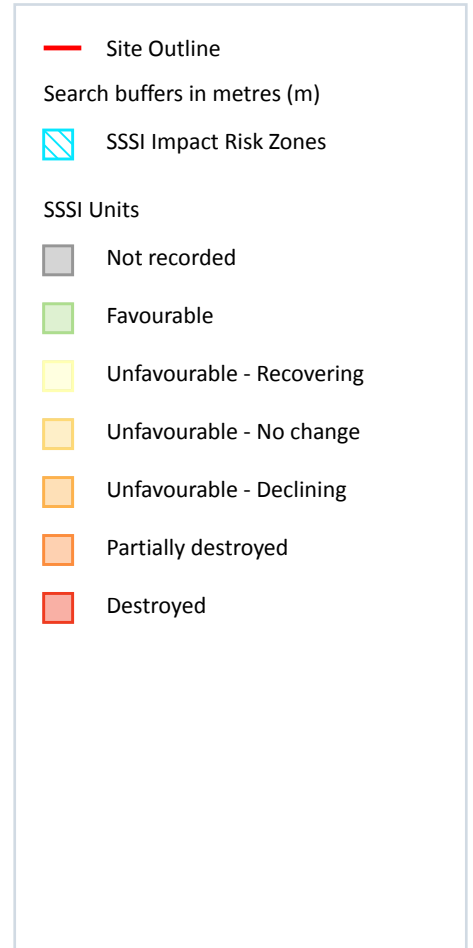
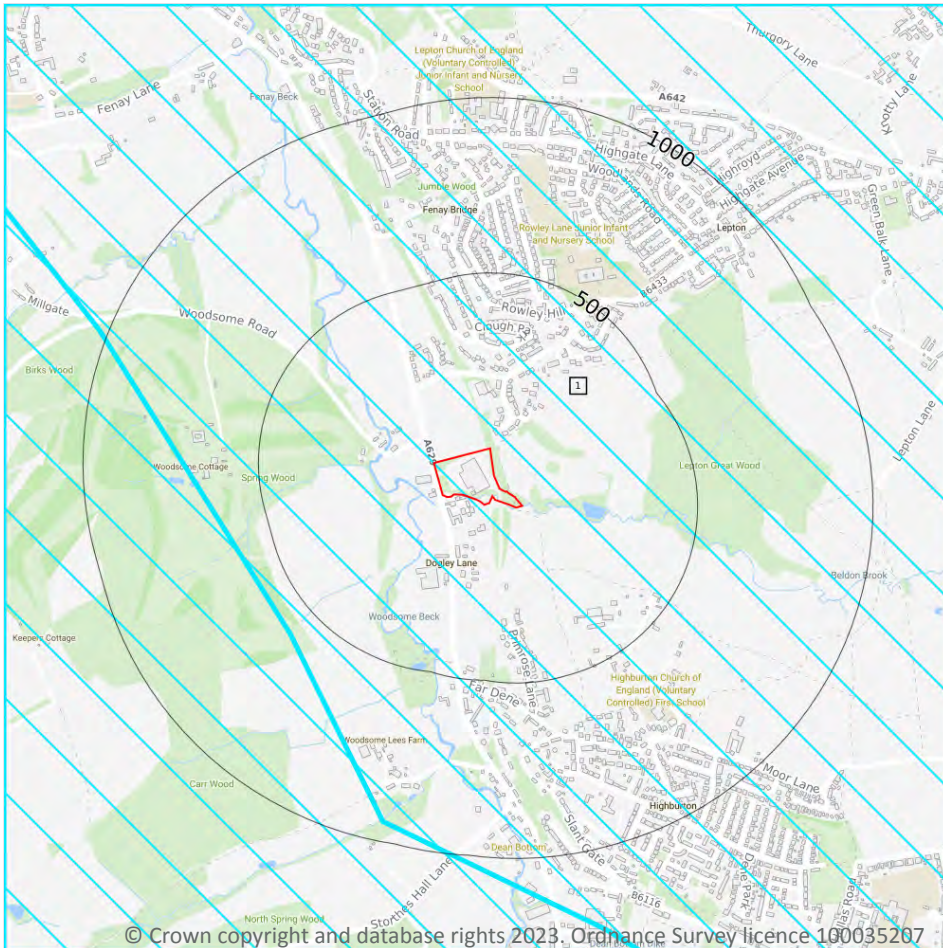
0

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

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



SSSI Impact Zones and Units



10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 76 >](#)

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

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

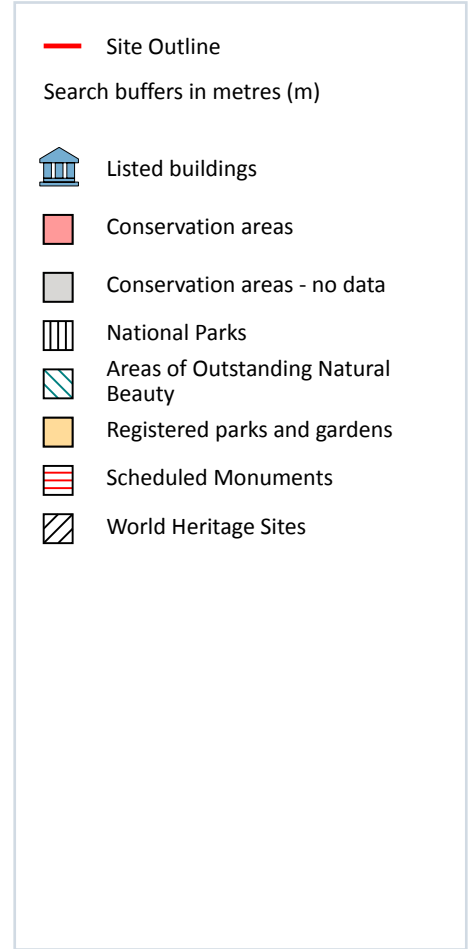
0

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

3

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

Features are displayed on the Visual and cultural designations map on [page 78 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	15m SW	Boundary Stone Opposite Entrance To Rowley Mills	II	1313346	16/05/1984
2	137m NW	1, Woodsome Road	II	1184154	16/05/1984
3	147m W	Woodsome Bridge	II	1135320	16/05/1984

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

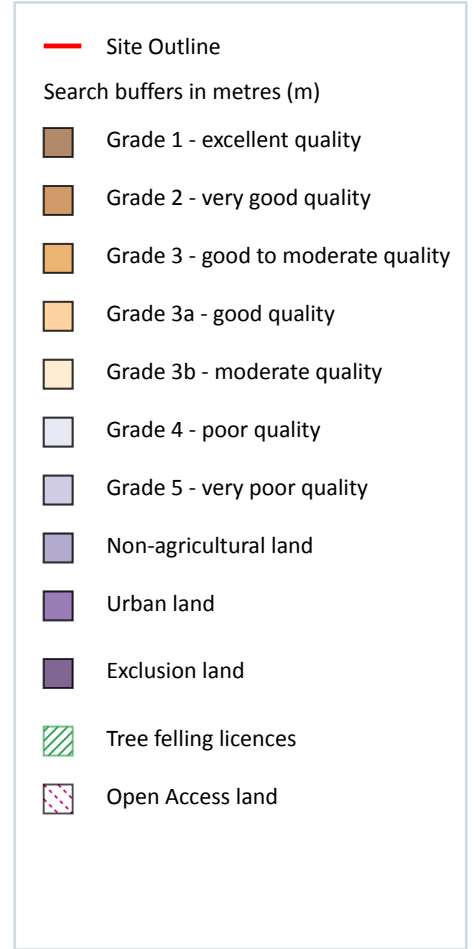
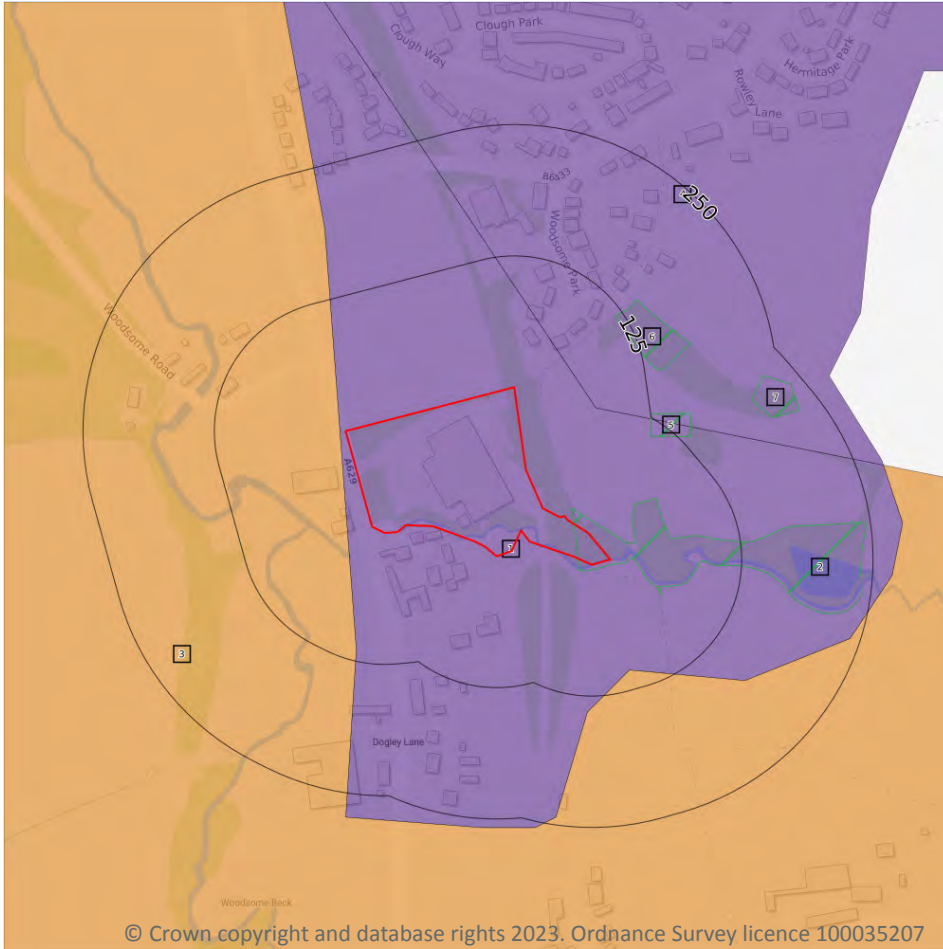
0

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



12.1 Agricultural Land Classification

Records within 250m

3

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 81](#) >

ID	Location	Classification	Description
1	On site	Urban	-
3	5m W	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.

ID	Location	Classification	Description
4	54m NE	Urban	-

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

4

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 81](#) >

ID	Location	Description	Reference	Application date
2	On site	Selective Fell/Thin (Conditional)	012/109/12-13	01/03/2013
5	110m E	Clear Fell (Conditional)	012/109/12-13	01/03/2013
6	118m NE	Selective Fell/Thin (Conditional)	012/109/12-13	01/03/2013
7	201m E	Selective Fell/Thin (Conditional)	012/109/12-13	01/03/2013

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

6

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
On site	AG00418023	Entry Level plus Higher Level Stewardship	01/12/2012	30/11/2022
On site	AG00418023	Entry Level plus Higher Level Stewardship	01/12/2012	30/11/2022
10m E	AG00418023	Entry Level plus Higher Level Stewardship	01/12/2012	30/11/2022
13m W	AG00418023	Entry Level plus Higher Level Stewardship	01/12/2012	30/11/2022
81m NW	AG00418023	Entry Level plus Higher Level Stewardship	01/12/2012	30/11/2022
83m NW	AG00418023	Entry Level plus Higher Level Stewardship	01/12/2012	30/11/2022

This data is sourced from Natural England.

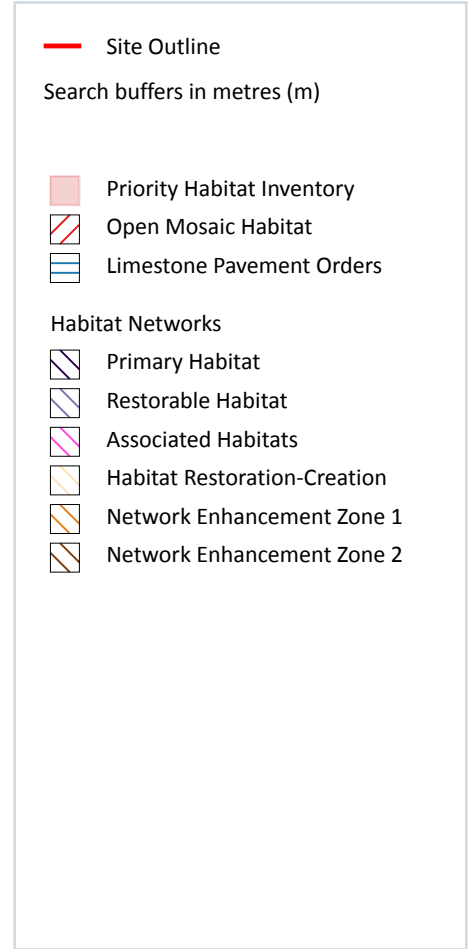
12.5 Countryside Stewardship Schemes

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



13.1 Priority Habitat Inventory

Records within 250m

6

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 84](#) >

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	11m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	15m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	188m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	202m W	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

1

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

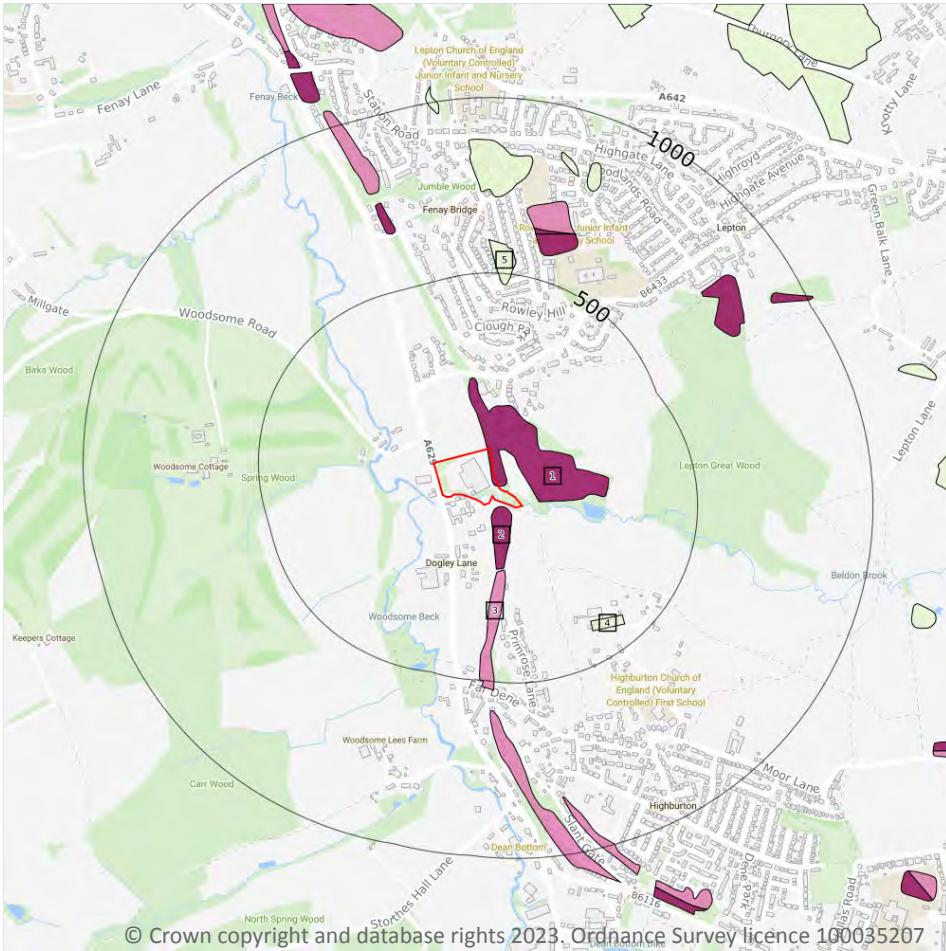
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 86](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE11SE

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

5

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 87](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	11m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	181m S	WGR-VOID	Worked Ground (Undivided)	Void
4	382m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit



ID	Location	LEX Code	Description	Rock description
5	468m N	WMGR-ARTDP	Infilled Ground	Artificial Deposit

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



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

14.3 Superficial geology (10k)

Records within 500m

2

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 89](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
2	On site	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

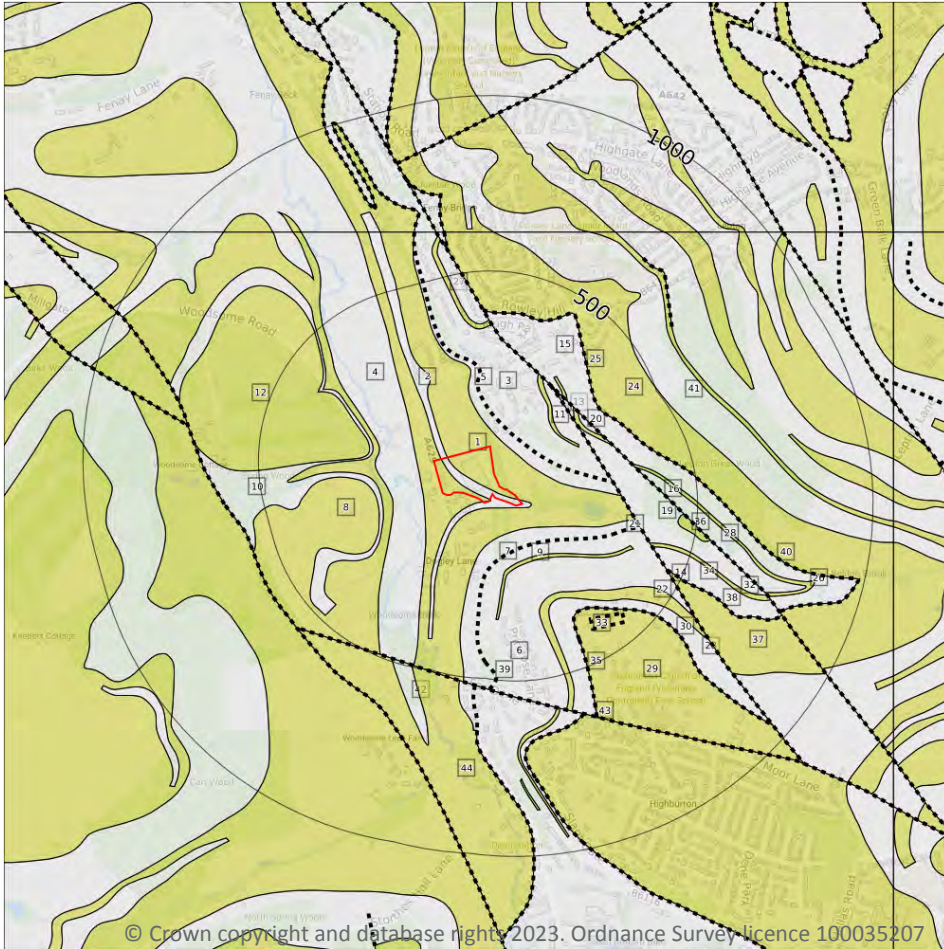
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



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

14.5 Bedrock geology (10k)

Records within 500m

31

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 91](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	GR-SDST	Grenoside Sandstone - Sandstone	Langsetian Sub-age
2	On site	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsetian Sub-age
3	33m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsetian Sub-age



ID	Location	LEX Code	Description	Rock age
4	48m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
6	69m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
8	143m W	GR-SDST	Grenoside Sandstone - Sandstone	Langsettian Sub-age
9	153m SE	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
10	171m W	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
11	183m NE	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
12	186m W	GR-SDST	Grenoside Sandstone - Sandstone	Langsettian Sub-age
13	241m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
15	245m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
17	250m NE	TKS-SDST	Thick Stone - Sandstone	Langsettian Sub-age
18	251m NE	TKS-SDST	Thick Stone - Sandstone	Langsettian Sub-age
19	252m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
20	266m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
22	272m SE	TKS-SDST	Thick Stone - Sandstone	Langsettian Sub-age
23	289m SE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
24	326m NE	KKBS-SDST	Kirkburton Sandstone - Sandstone	Langsettian Sub-age
26	332m E	TKS-SDST	Thick Stone - Sandstone	Langsettian Sub-age
27	336m N	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
28	338m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
29	345m SE	KKBS-SDST	Kirkburton Sandstone - Sandstone	Langsettian Sub-age
31	350m N	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
32	380m E	TKS-SDST	Thick Stone - Sandstone	Langsettian Sub-age



ID	Location	LEX Code	Description	Rock age
34	391m E	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
36	447m E	PLCM-SDST	Pennine Lower Coal Measures Formation - Sandstone	Langsettian Sub-age
37	454m SE	KKBS-SDST	Kirkburton Sandstone - Sandstone	Langsettian Sub-age
41	489m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
42	491m SW	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
44	491m SW	GR-SDST	Grenoside Sandstone - Sandstone	Langsettian Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

13

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 91](#) >

ID	Location	Category	Description
5	68m NE	ROCK	Coal seam, inferred
7	118m SE	ROCK	Coal seam, observed
14	241m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
16	245m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
21	272m E	ROCK	Coal seam, inferred
25	326m NE	ROCK	Coal seam, inferred
30	345m SE	ROCK	Coal seam, inferred
33	382m SE	ROCK	Coal seam, observed
35	419m SE	ROCK	Coal seam, observed
38	454m SE	ROCK	Coal seam, inferred
39	454m S	ROCK	Coal seam, inferred
40	466m E	ROCK	Coal seam, observed

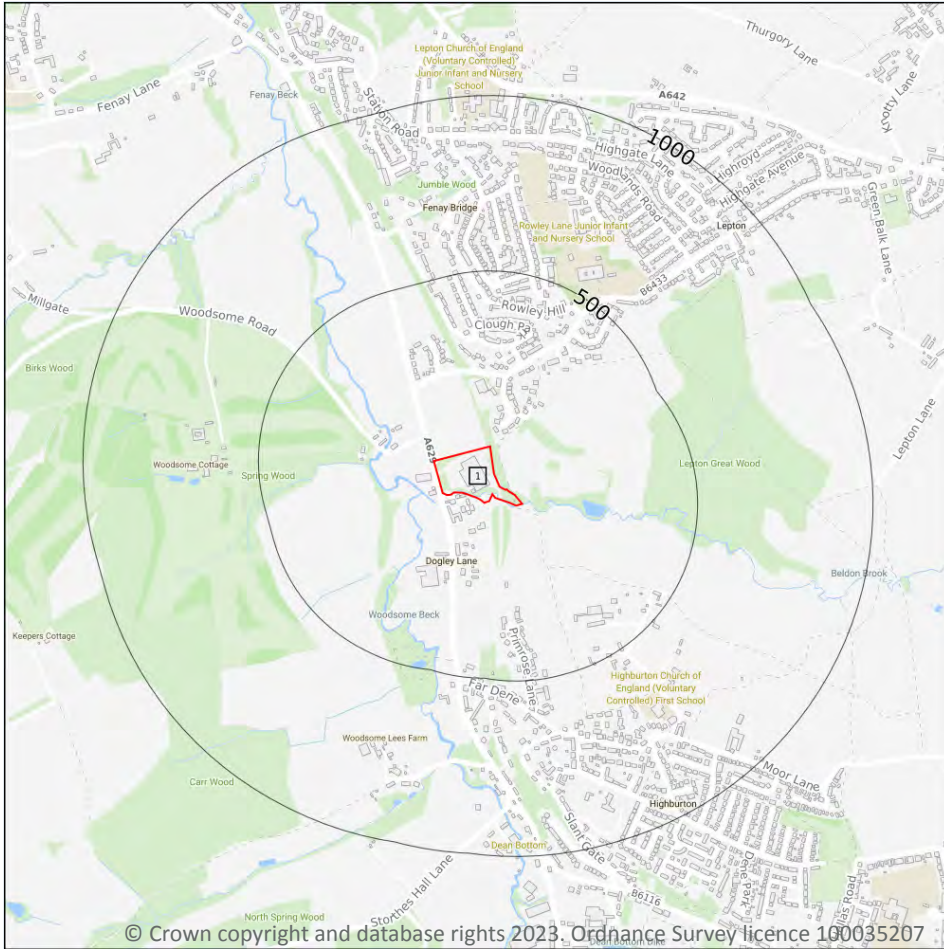


ID	Location	Category	Description
43	491m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side

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.

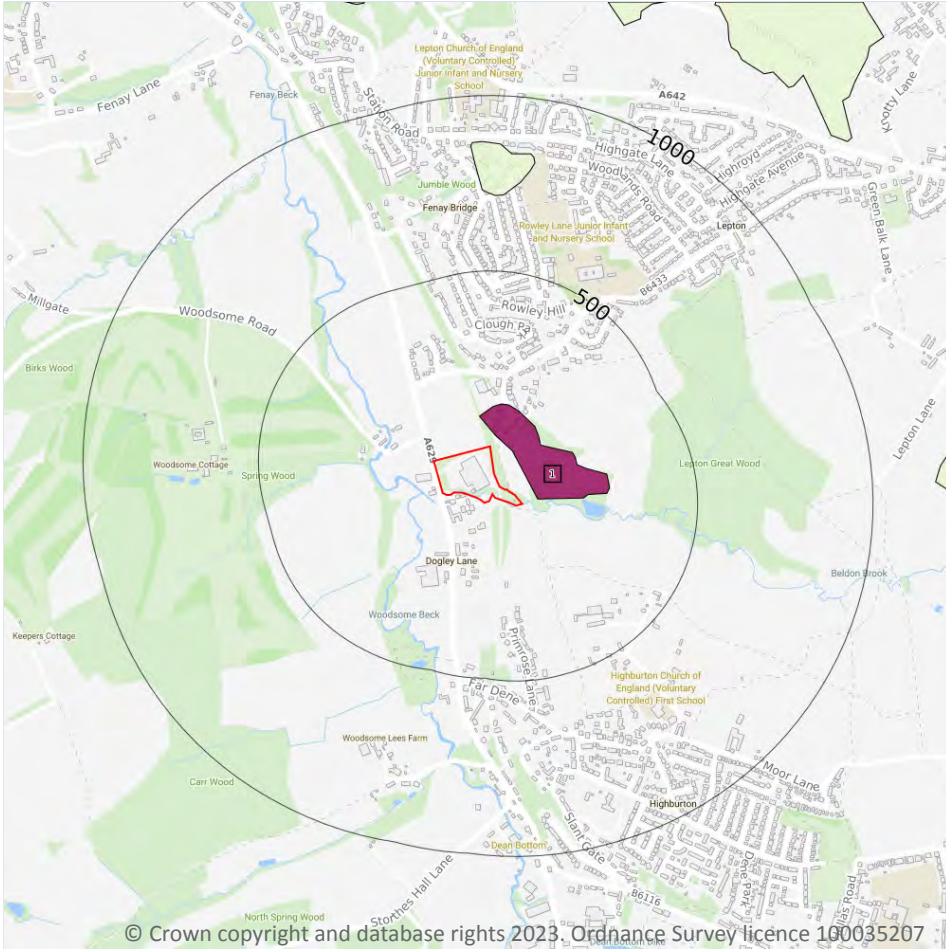
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 95](#) >

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

This data is sourced from the British Geological Survey.



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



15.2 Artificial and made ground (50k)

Records within 500m

1

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 96 >](#)

ID	Location	LEX Code	Description	Rock description
1	33m NE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

1

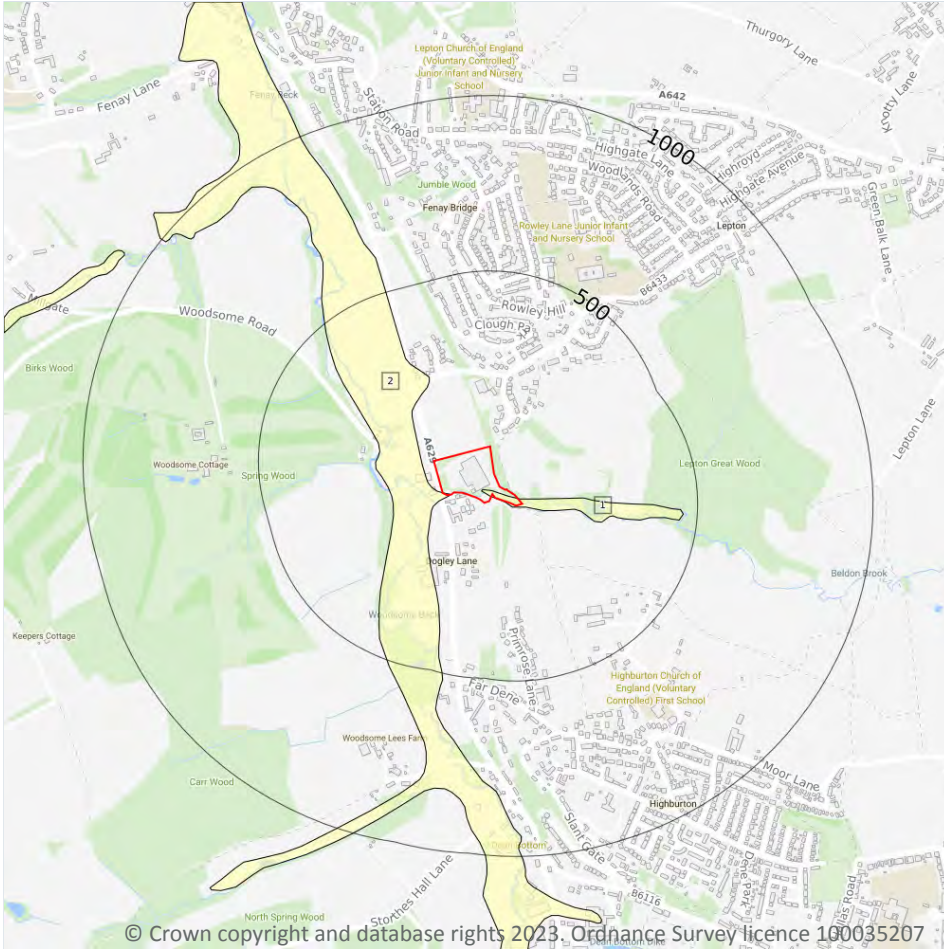
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
33m NE	Mixed	Very High	Low

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



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

15.4 Superficial geology (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 98](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m **2**

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

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

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.

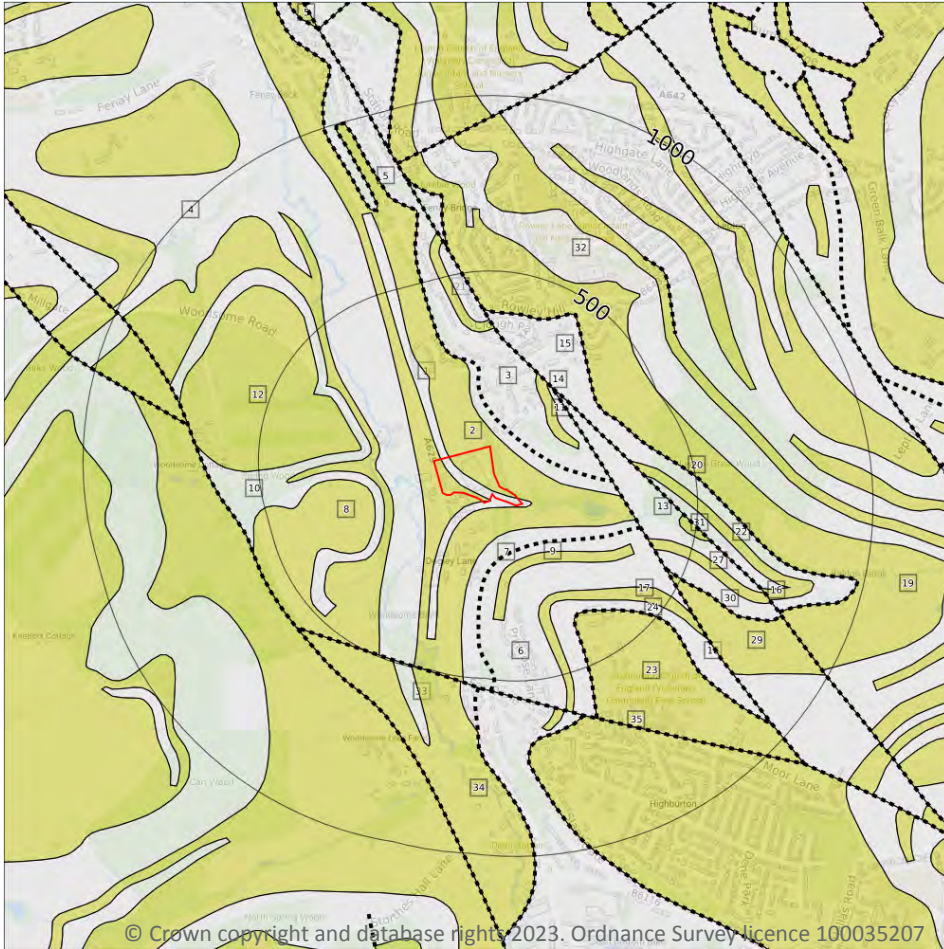
15.7 Landslip permeability (50k)

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

27

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 100](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	On site	GR-SDST	GRENOSIDE SANDSTONE - SANDSTONE	WESTPHALIAN
3	33m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
4	49m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
6	69m SE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
8	142m W	GR-SDST	GRENOSIDE SANDSTONE - SANDSTONE	WESTPHALIAN
9	147m SE	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
10	168m W	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
11	176m NE	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
12	210m W	GR-SDST	GRENOSIDE SANDSTONE - SANDSTONE	WESTPHALIAN
13	240m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
15	243m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
17	271m SE	TKS-SDST	THICK STONE - SANDSTONE	WESTPHALIAN
18	294m SE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
19	327m NE	KKBS-SDST	KIRKBURTON SANDSTONE - SANDSTONE	WESTPHALIAN
21	327m N	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN
22	329m E	TKS-SDST	THICK STONE - SANDSTONE	WESTPHALIAN
23	351m SE	KKBS-SDST	KIRKBURTON SANDSTONE - SANDSTONE	WESTPHALIAN
25	355m N	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
26	358m E	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
27	371m E	TKS-SDST	THICK STONE - SANDSTONE	WESTPHALIAN
28	398m E	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
29	449m SE	KKBS-SDST	KIRKBURTON SANDSTONE - SANDSTONE	WESTPHALIAN
31	450m E	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN



ID	Location	LEX Code	Description	Rock age
32	487m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
33	494m SW	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
34	494m SW	GR-SDST	GRENOSIDE SANDSTONE - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m	4
---------------------------	----------

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	High	Moderate
33m NE	Fracture	Moderate	Low
49m W	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	8
----------------------------	----------

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 100](#) >

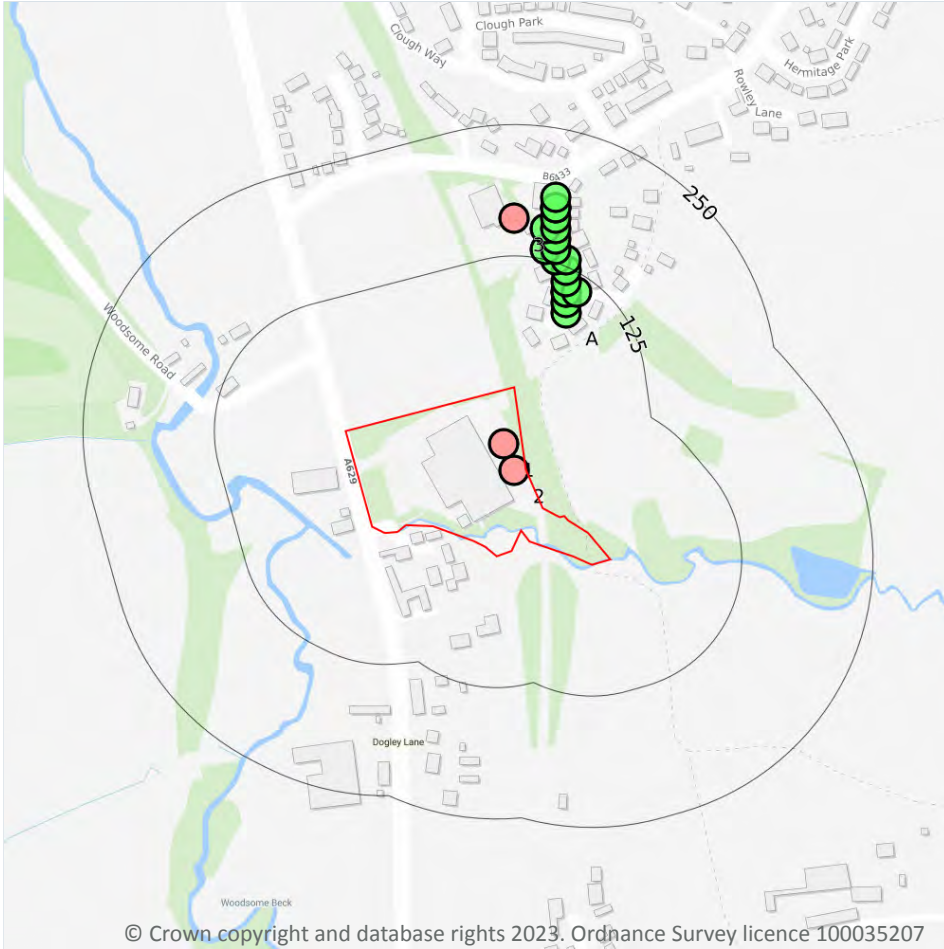
ID	Location	Category	Description
5	68m NE	ROCK	Coal seam, inferred
7	119m SE	ROCK	Coal seam, inferred
14	240m NE	FAULT	Fault, inferred
16	243m NE	FAULT	Fault, inferred

ID	Location	Category	Description
20	327m NE	ROCK	Coal seam, inferred
24	351m SE	ROCK	Coal seam, inferred
30	449m SE	ROCK	Coal seam, inferred
35	494m SW	FAULT	Fault, 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

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16.1 BGS Boreholes

Records within 250m

21

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 104](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	418840 414335	GEO BEAUMONT & SONS ROWLEY MILLS	276.45	N	41466 ↗
2	On site	418850 414310	RELIANCE PRECISION LIMITED	267.0	N	18525217 ↗

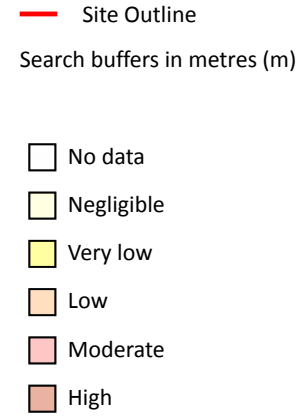
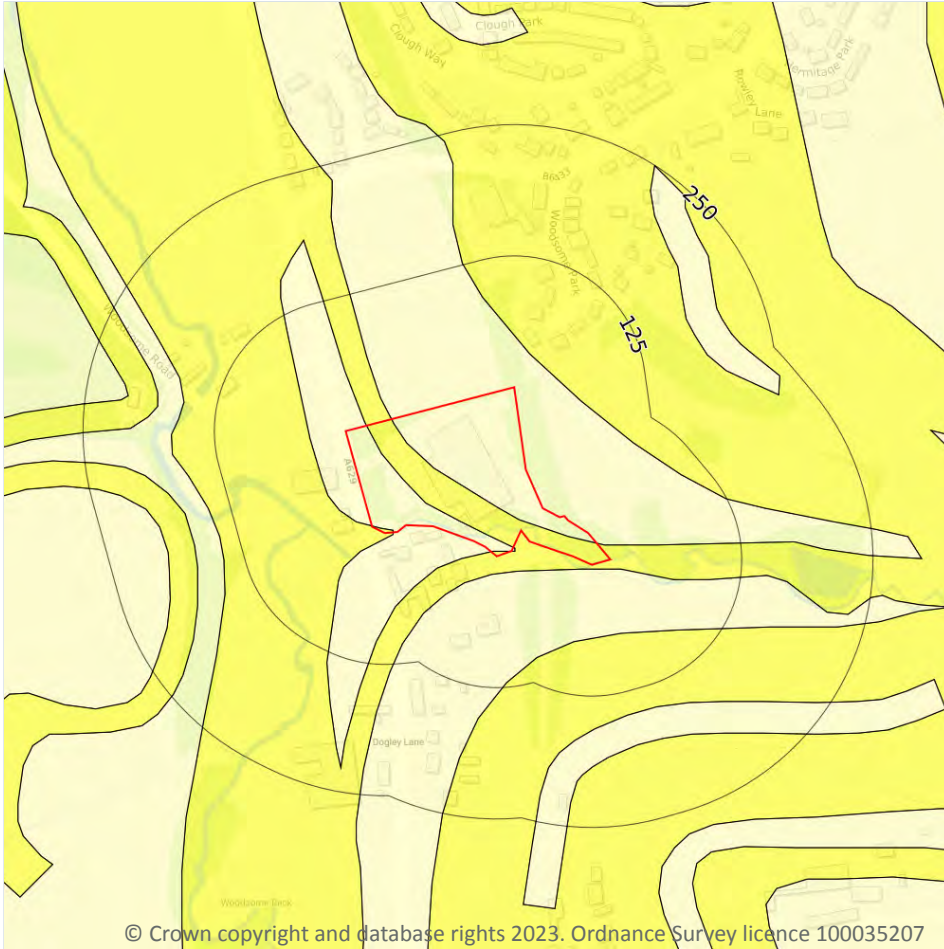
ID	Location	Grid reference	Name	Length	Confidential	Web link
A	87m NE	418900 414460	J BROOK ESTATES LTD ROWLEY LANE LEPTON 18	13.0	N	15622823 ↗
A	95m NE	418900 414470	J BROOK ESTATES LTD ROWLEY LANE LEPTON 17	13.0	N	15622821 ↗
A	104m NE	418900 414480	J BROOK ESTATES LTD ROWLEY LANE LEPTON 14	13.0	N	15622816 ↗
A	104m NE	418900 414480	J BROOK ESTATES LTD ROWLEY LANE LEPTON 16	13.0	N	15622819 ↗
A	109m NE	418910 414480	J BROOK ESTATES LTD ROWLEY LANE LEPTON 15	14.0	N	15622818 ↗
A	113m NE	418900 414490	J BROOK ESTATES LTD ROWLEY LANE LEPTON 13	13.1	N	15622815 ↗
A	122m NE	418900 414500	J BROOK ESTATES LTD ROWLEY LANE LEPTON 12	13.0	N	15622812 ↗
A	127m NE	418890 414510	J BROOK ESTATES LTD ROWLEY LANE LEPTON 10	13.0	N	15622806 ↗
A	131m NE	418900 414510	J BROOK ESTATES LTD ROWLEY LANE LEPTON 11	13.0	N	15622809 ↗
A	134m N	418880 414520	J BROOK ESTATES LTD ROWLEY LANE LEPTON 8	13.0	N	15622801 ↗
A	137m NE	418890 414520	J BROOK ESTATES LTD ROWLEY LANE LEPTON 9	12.0	N	15622803 ↗
A	146m N	418890 414530	J BROOK ESTATES LTD ROWLEY LANE LEPTON 7	12.0	N	15622799 ↗
A	154m N	418880 414540	J BROOK ESTATES LTD ROWLEY LANE LEPTON 6	13.0	N	15622796 ↗
A	156m N	418890 414540	J BROOK ESTATES LTD ROWLEY LANE LEPTON 5	13.0	N	15622794 ↗
3	161m N	418850 414550	LEPTON VICTORIA PIT	255.02	N	41461 ↗
A	166m N	418890 414550	J BROOK ESTATES LTD ROWLEY LANE LEPTON 4	13.0	N	15622792 ↗
A	175m N	418890 414560	J BROOK ESTATES LTD ROWLEY LANE LEPTON 3	12.0	N	15622790 ↗
A	175m N	418890 414560	J BROOK ESTATES LTD ROWLEY LANE LEPTON 2	12.0	N	15622787 ↗
A	185m N	418890 414570	J BROOK ESTATES LTD ROWLEY LANE LEPTON 1	12.0	N	15622782 ↗



This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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).

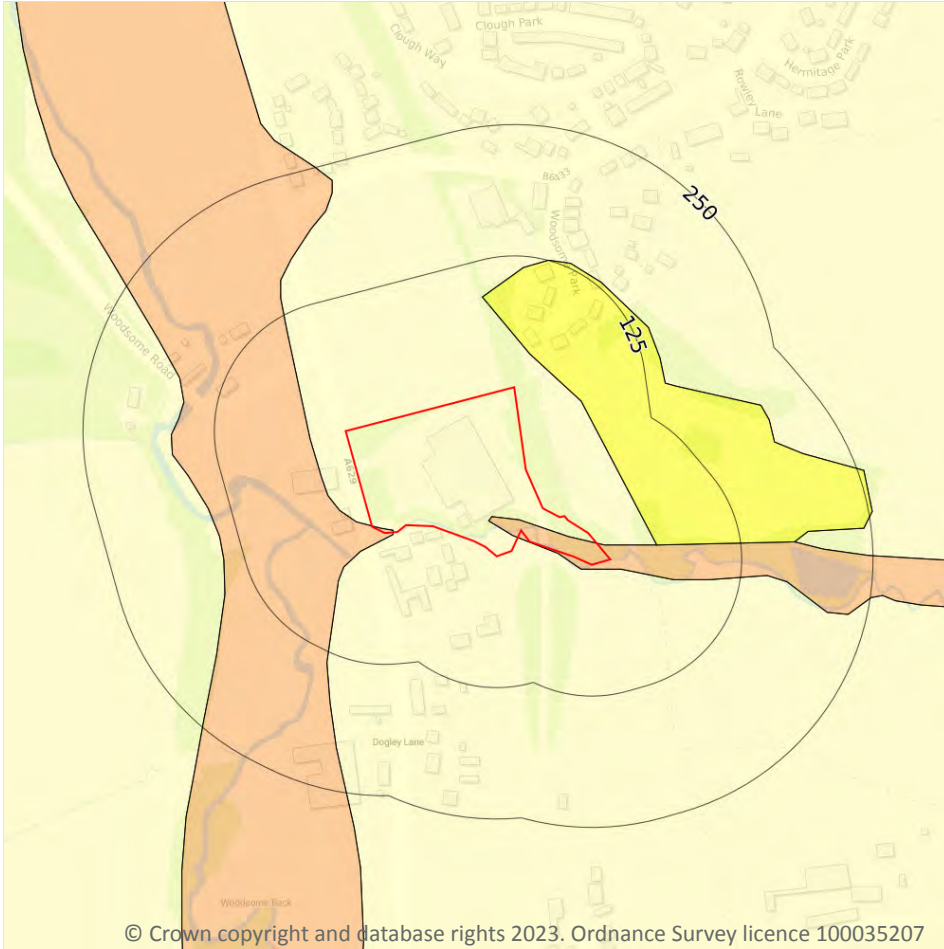
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 107 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low plasticity.
4m SE	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

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17.2 Running sands

Records within 50m

3

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 109](#) >

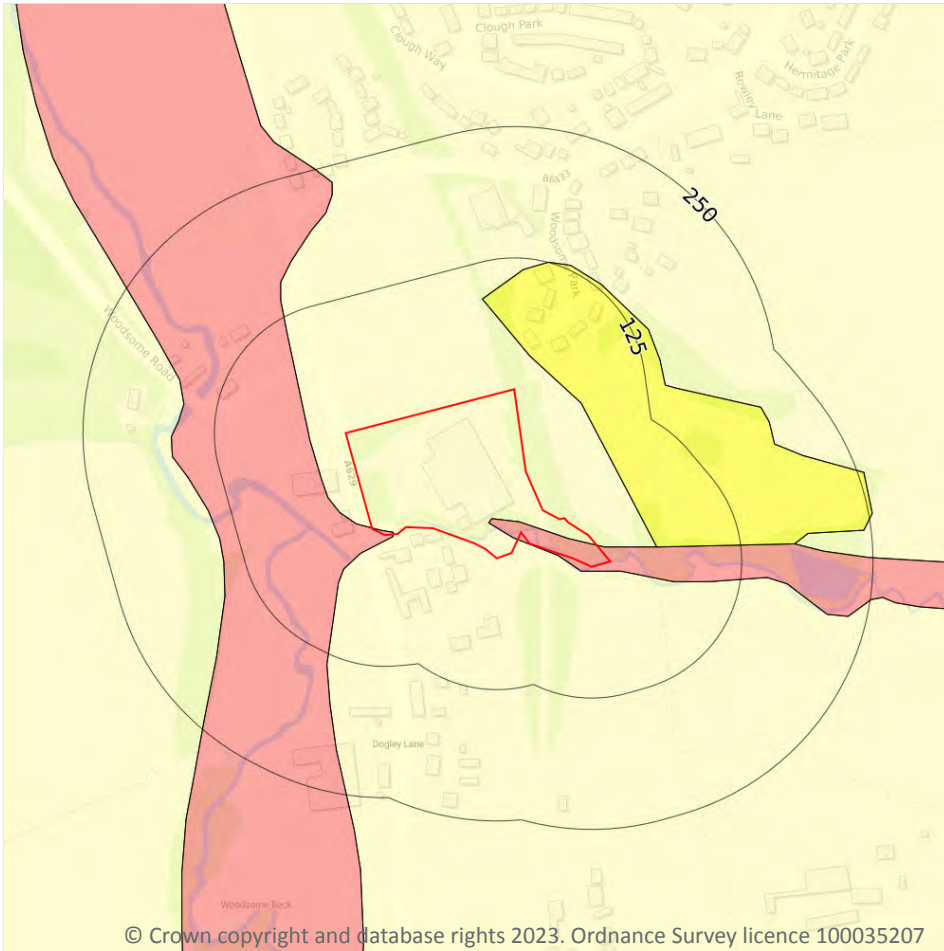
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
33m NE	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



17.3 Compressible deposits

Records within 50m

3

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 111](#) >

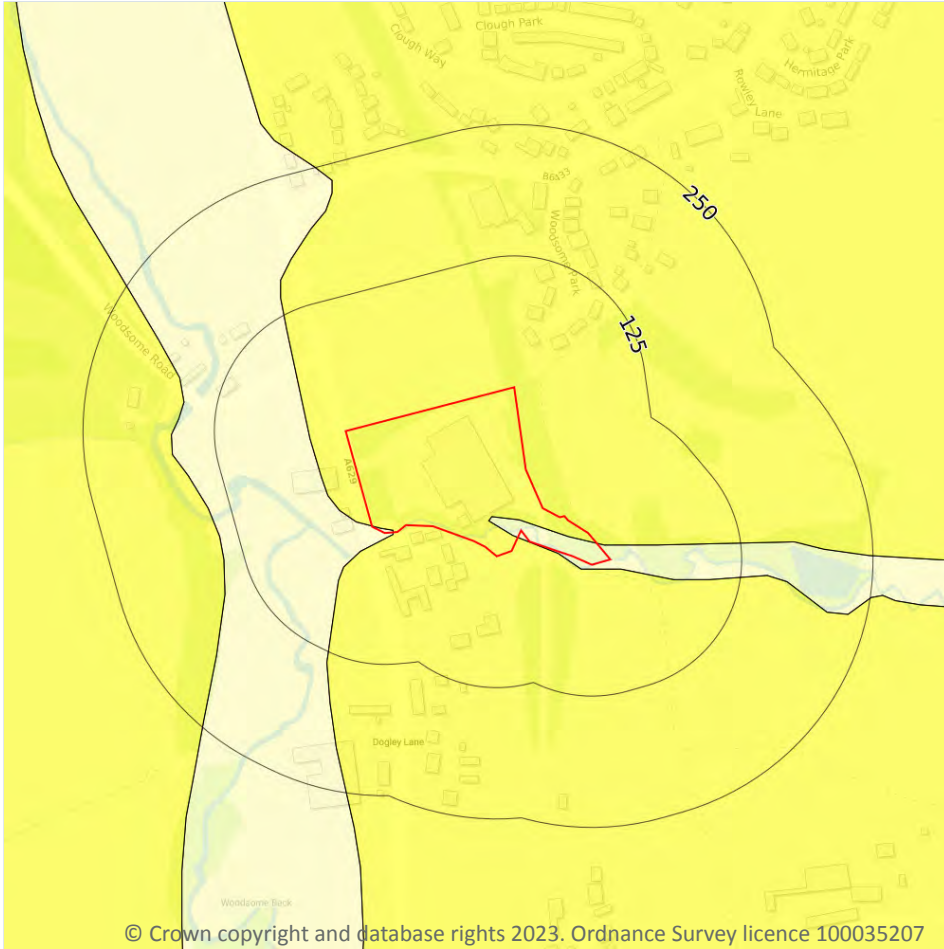
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

Location	Hazard rating	Details
33m NE	Very low	Compressibility and uneven settlement problems are not likely to be significant on the site for most land uses.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



— Site Outline
 Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m

2

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.

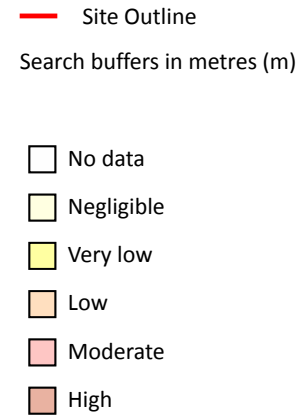
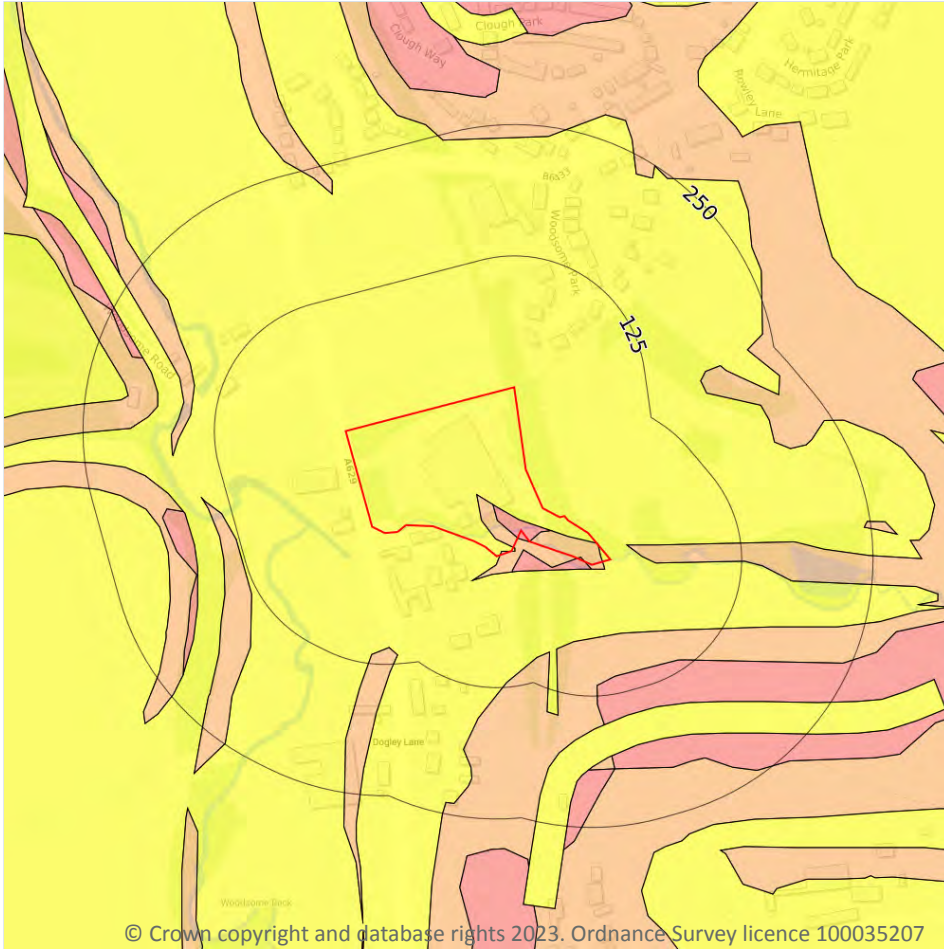
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 113](#) >

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
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



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17.5 Landslides

Records within 50m

4

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 114](#) >

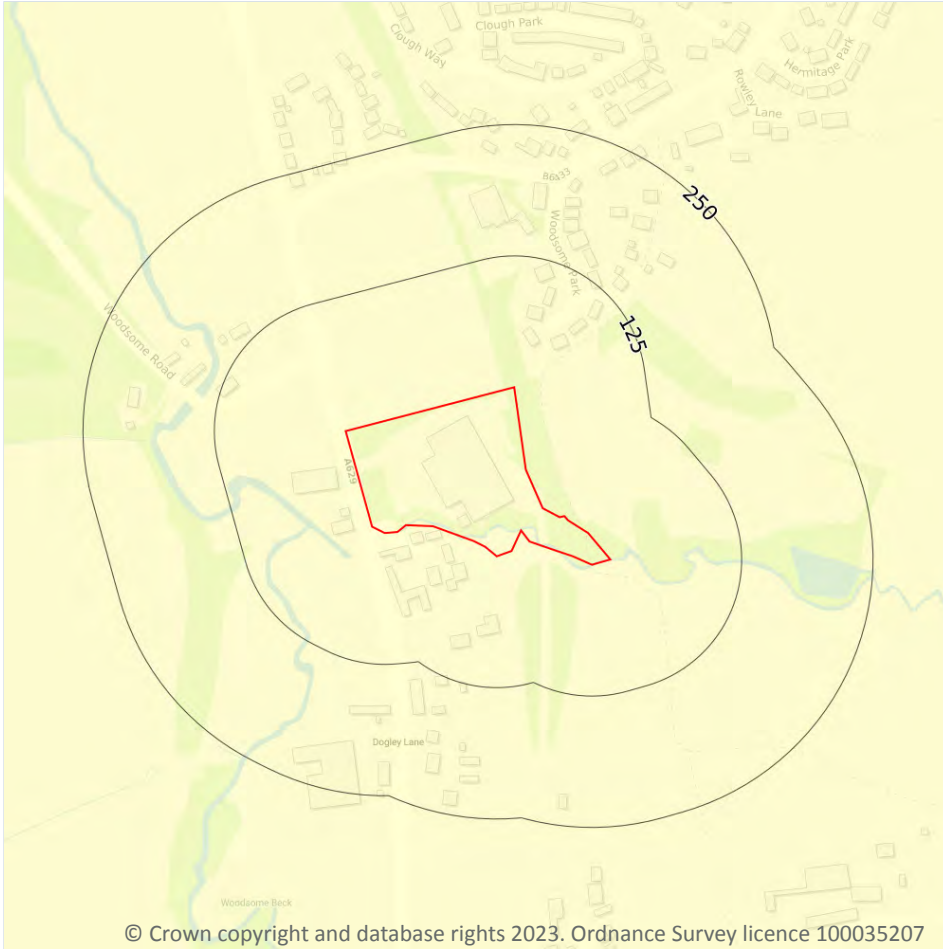
Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
On site	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
21m E	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



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.

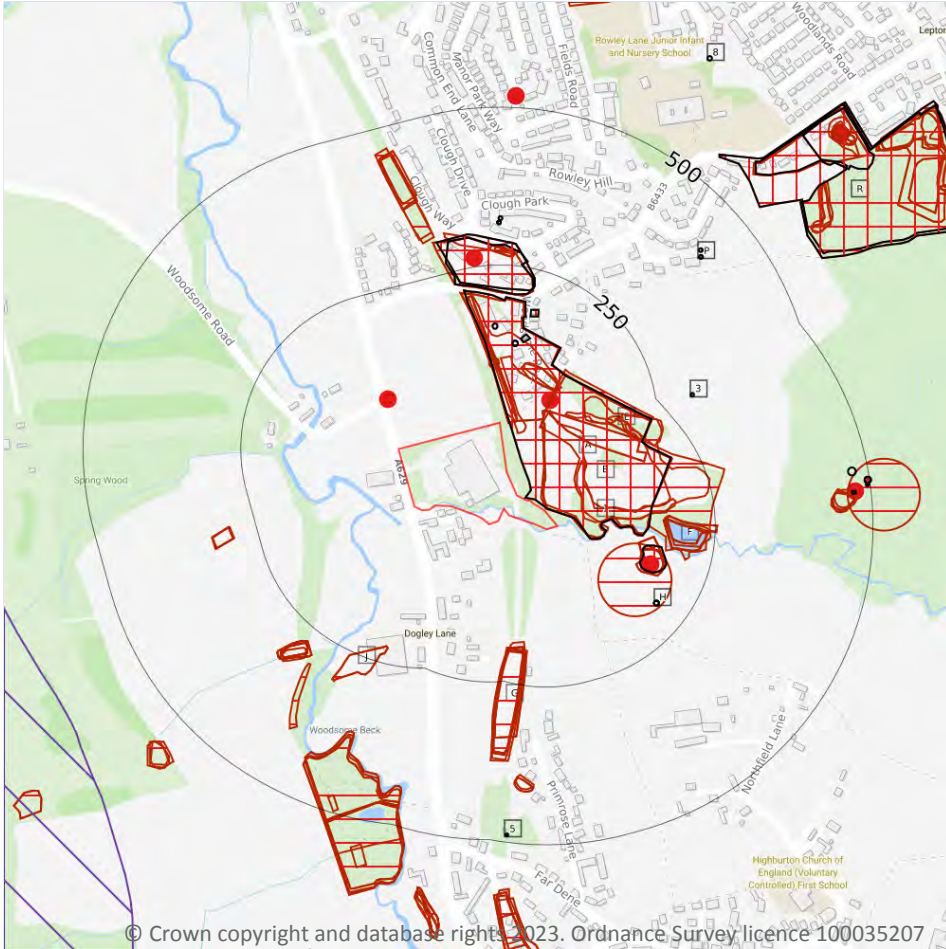
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 116](#) >

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



18.1 BritPits

Records within 500m

5

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 118](#) >

ID	Location	Details	Description
2	80m NW	Name: Rowley Bottom Gravel Pit Address: Rowley Hill, Fenay Bridge, HUDDERSFIELD, West Yorkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
C	87m NE	Name: Woodsome Colliery Address: Rowley Hill, Fenay Bridge, HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
D	159m SE	Name: Beldon Brook Mine Address: Rowley Hill, Fenay Bridge, HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	264m N	Name: Victoria Colliery Address: Rowley Hill, Fenay Bridge, HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
Q	474m E	Name: Lepton Great Wood Coal Pits Address: Rowley Hill, Fenay Bridge, HUDDERSFIELD, West Yorkshire Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.



18.2 Surface ground workings

Records within 250m

50

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 118](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	2m E	Colliery	1938	1:10560
B	4m E	Brick Works	1948	1:10560
B	4m E	Brick Works	1948	1:10560
B	6m E	Brick Works	1938	1:10560
B	9m E	Brick Works	1951	1:10560
C	13m NE	Colliery	1948	1:10560
C	13m NE	Refuse Heap	1948	1:10560
C	13m NE	Colliery	1948	1:10560
C	13m NE	Refuse Heap	1948	1:10560
C	18m NE	Refuse Heap	1938	1:10560
C	22m NE	Refuse Heap	1968	1:10560
B	45m E	Refuse Heap	1968	1:10560
1	48m E	Refuse Heap	1977	1:10000
C	85m NE	Sand Pit	1948	1:10560
C	89m N	Unspecified Pit	1990	1:10000
D	91m SE	Unspecified Level	1938	1:10560
C	93m NE	Refuse Heap	1938	1:10560
A	105m NE	Refuse Heap	1938	1:10560
D	132m E	Unspecified Heap	1990	1:10000
D	132m E	Unspecified Heap	1968	1:10560
D	132m E	Unspecified Heap	1977	1:10000
D	139m SE	Unspecified Level	1948	1:10560
D	139m SE	Unspecified Level	1948	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
D	140m SE	Refuse Heap	1938	1:10560
D	140m SE	Unspecified Level	1951	1:10560
E	168m E	Unspecified Pit	1951	1:10560
F	168m E	Reservoir	1938	1:10560
F	168m E	Reservoir	1904	1:10560
F	168m E	Reservoir	1892	1:10560
F	171m E	Reservoir	1948	1:10560
F	172m E	Pond	1990	1:10000
F	172m E	Pond	1968	1:10560
F	172m E	Pond	1977	1:10000
F	174m E	Reservoir	1951	1:10560
E	180m E	Unspecified Ground Workings	1938	1:10560
G	182m S	Cuttings	1951	1:10560
E	189m E	Unspecified Pit	1977	1:10000
G	190m S	Cuttings	1938	1:10560
G	190m S	Cuttings	1904	1:10560
G	190m S	Cuttings	1892	1:10560
G	195m S	Cuttings	1990	1:10000
G	195m S	Cuttings	1977	1:10000
G	198m S	Cuttings	1968	1:10560
G	200m S	Cuttings	1948	1:10560
I	205m N	Colliery	1948	1:10560
I	205m N	Colliery	1948	1:10560
I	205m N	Colliery	1938	1:10560
I	213m N	Colliery	1951	1:10560
J	223m SW	Pond	1904	1:10560
J	223m SW	Pond	1892	1:10560

This is data is sourced from Ordnance Survey/Groundsure.



18.3 Underground workings

Records within 1000m

38

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 118](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	2m E	Colliery	1938	1:10560
C	124m N	Unspecified Shafts	1968	1:10560
C	124m N	Unspecified Shaft	1977	1:10000
C	133m N	Unspecified Shaft	1951	1:10560
D	140m SE	Unspecified Level	1951	1:10560
C	149m N	Unspecified Shafts	1968	1:10560
C	175m N	Unspecified Shaft	1951	1:10560
H	195m SE	Air Shaft	1968	1:10560
H	195m SE	Air Shaft	1977	1:10000
H	195m SE	Air Shaft	1990	1:10000
I	205m N	Colliery	1938	1:10560
I	213m N	Colliery	1951	1:10560
3	295m E	Unspecified Old Shaft	1938	1:10560
I	315m N	Air Shaft	1938	1:10560
I	315m N	Air Shaft	1904	1:10560
I	321m N	Air Shaft	1951	1:10560
P	410m NE	Unspecified Old Shaft	1938	1:10560
P	410m NE	Old Air Shaft	1904	1:10560
P	417m NE	Unspecified Old Shaft	1951	1:10560
Q	468m E	Unspecified Old Shaft	1951	1:10560
Q	470m E	Unspecified Old Shaft	1938	1:10560
5	486m S	Air Shaft	1904	1:10560
Q	492m E	Unspecified Disused Shaft	1968	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
Q	492m E	Unspecified Disused Shaft	1977	1:10000
Q	492m E	Unspecified Disused Shaft	1990	1:10000
Q	493m E	Unspecified Old Shaft	1904	1:10560
R	535m NE	Colliery	1951	1:10560
R	566m NE	Colliery	1938	1:10560
T	658m NE	Colliery	1904	1:10560
8	663m NE	Air Shaft	1904	1:10560
-	720m N	Unspecified Old Shaft	1938	1:10560
-	723m N	Unspecified Disused Shaft	1965	1:10560
-	723m N	Unspecified Old Shaft	1951	1:10560
-	822m N	Unspecified Disused Shaft	1965	1:10560
-	822m N	Unspecified Disused Shaft	1975	1:10000
-	867m NW	Unspecified Old Shaft	1951	1:10560
-	901m NE	Unspecified Mine	1968	1:10560
-	906m NE	Unspecified Level	1951	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m

0

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

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

1

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
468m N	Stone

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
27m NE	Fireclay
83m NE	Fireclay

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

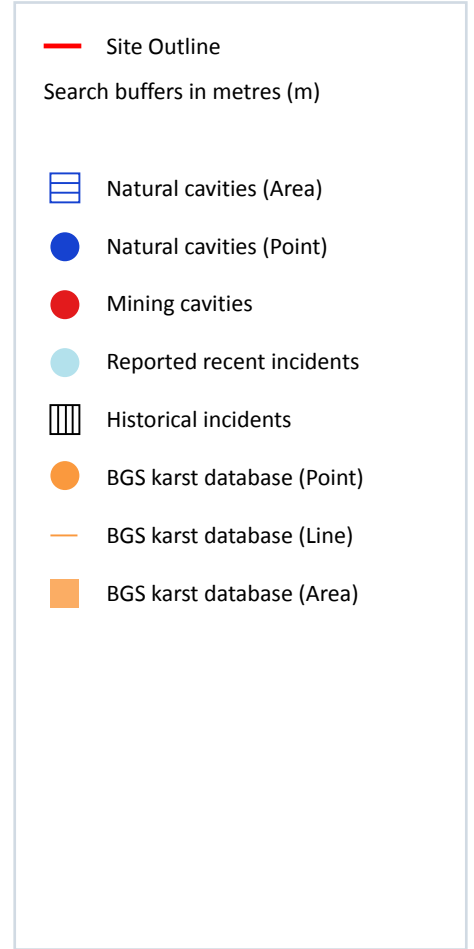
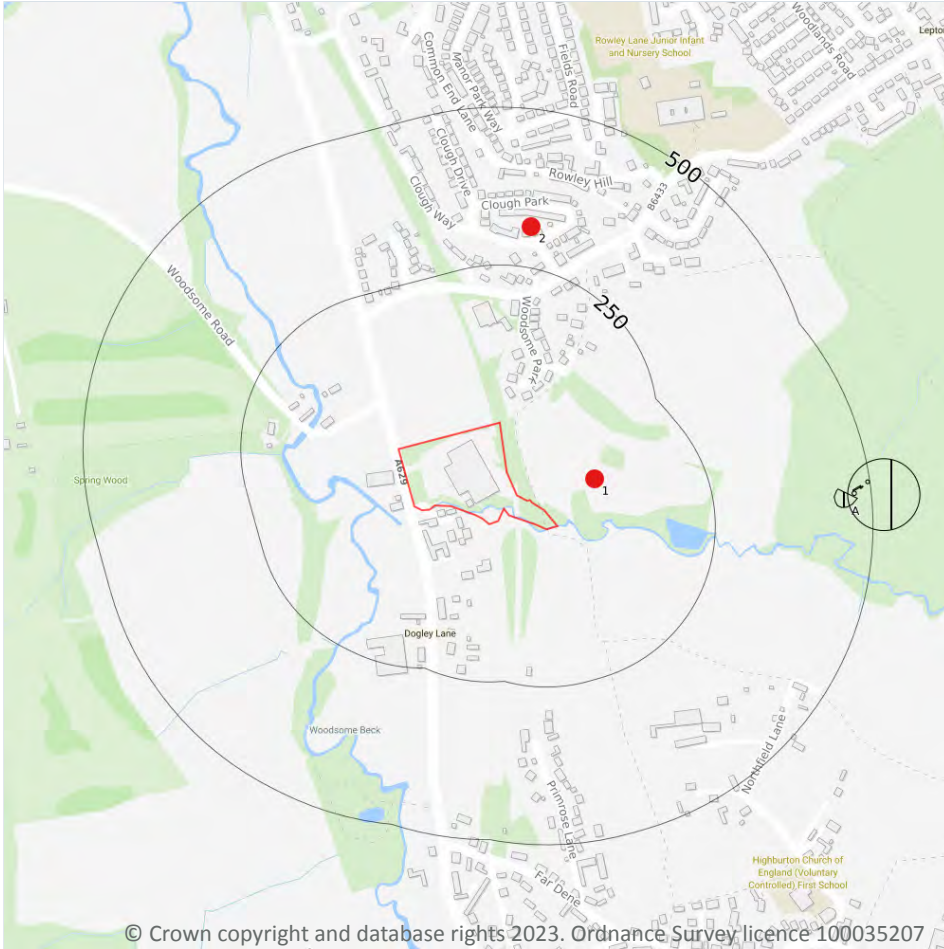
Records on site	0
-----------------	---

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



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

3

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 127 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
1	93m E	Woodstone Outcrop, West Yorkshire	Clay	LISTING OF NEW MINERAL RECORDS OFFICE CATALOGUE.	UNPUBLISHED/D RAFT
2	315m N	Square, Rowley Bottom, West Yorkshire	Clay	LISTING OF NEW MINERAL RECORDS OFFICE CATALOGUE.	UNPUBLISHED/D RAFT
-	890m SW	Kirkburton, West Yorkshire	Fireclay	MINERAL PLANNING RIGHTS APPLICATION RECORDS.	UNPUBLISHED

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

6

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.

Features are displayed on the Ground cavities and sinkholes map on [page 127 >](#)



ID	Location	Type	Date of mapping
A	441m E	Unspecified Hole	1951
A	462m E	Unspecified Hole	1904
A	470m E	Unspecified Old Hole	1948
A	472m E	Hole	1893
A	483m E	Hole	1906
A	493m E	Unspecified Old Hole	1938

This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

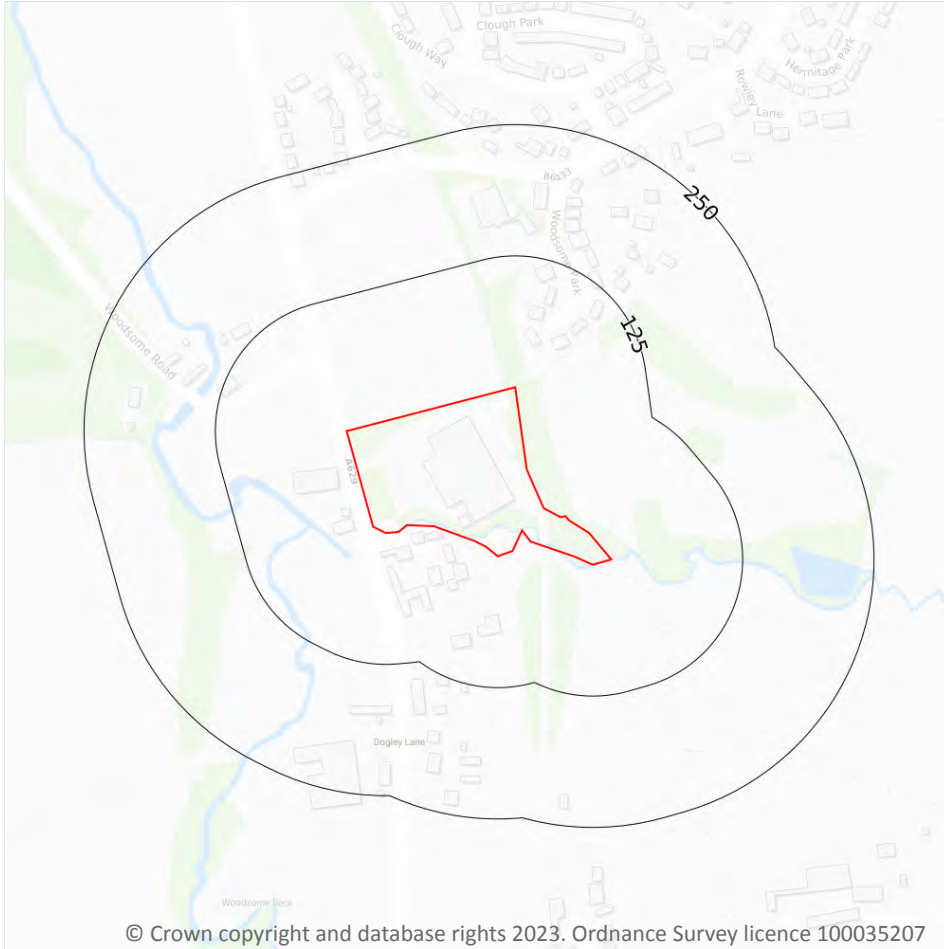
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



— Site Outline
Search buffers in metres (m)

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

20.1 Radon

Records on site

1

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

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

Location	Estimated properties affected	Radon Protection Measures required
On site	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

9

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
4m SE	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
4m SE	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	90 - 120 mg/kg	30 - 45 mg/kg
33m 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
49m W	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	120 - 180 mg/kg	30 - 45 mg/kg

This data is sourced from the British Geological Survey.



21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

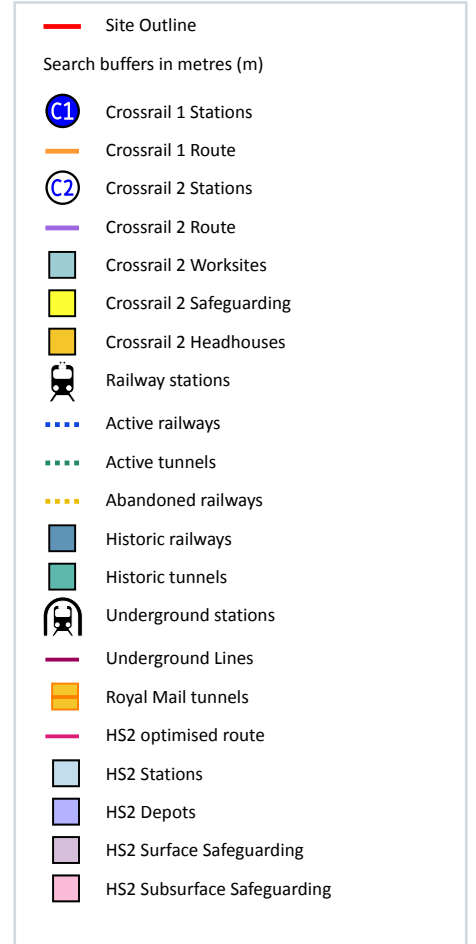
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

4

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 134 >](#)

Location	Land Use	Year of mapping	Mapping scale
On site	Railways	1902	-
On site	Railways	1893	-
53m NE	Railway Sidings	1938	10560
57m NE	Railway Sidings	1948	10560

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.



22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

Terms and conditions

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



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HUDDERSFIELD, HD8 0LE

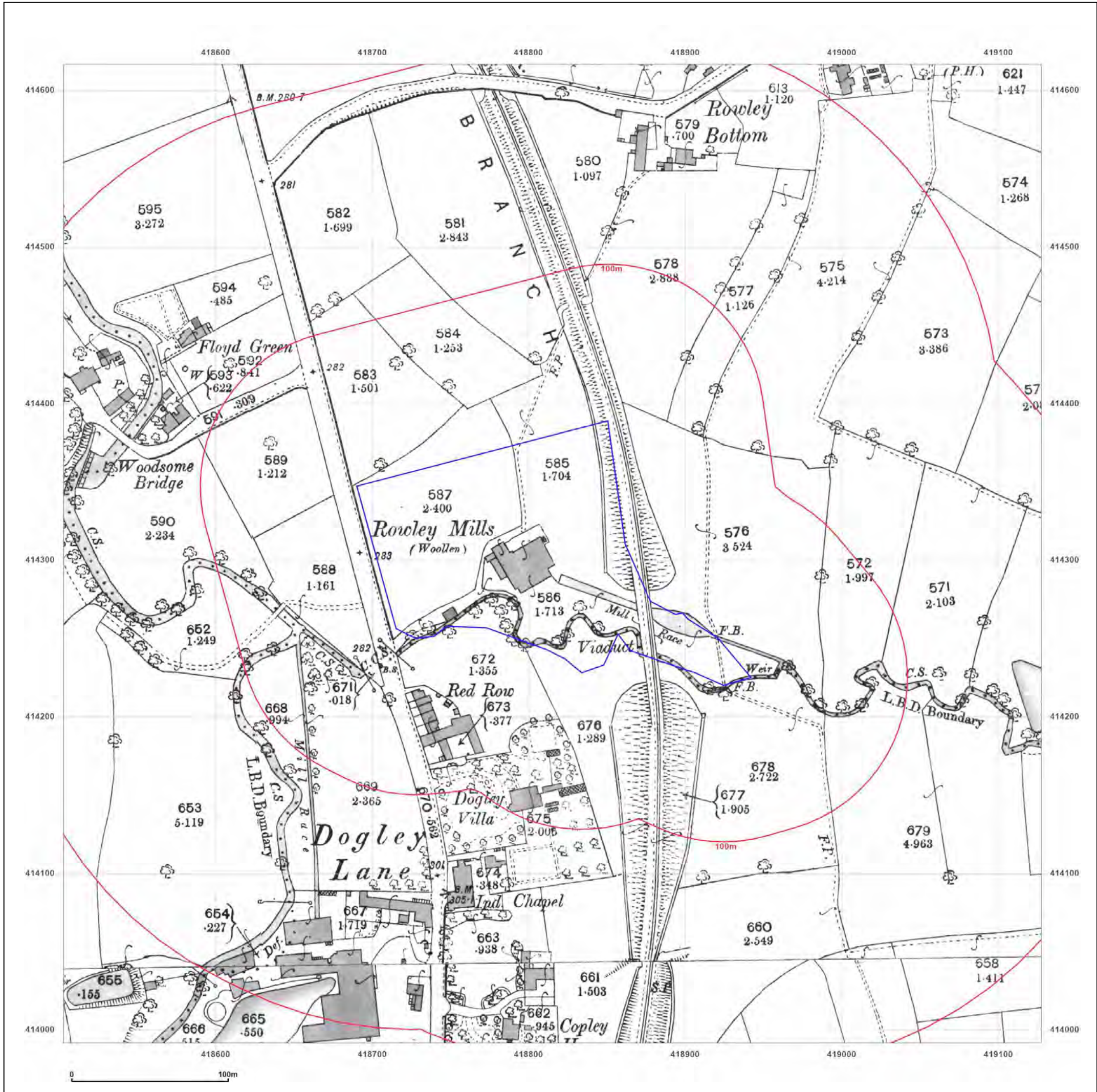
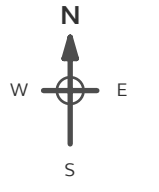
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1893

Scale: 1:2,500

Printed at: 1:2,500



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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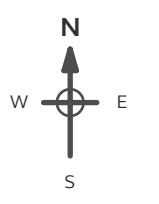
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1906

Scale: 1:2,500

Printed at: 1:2,500



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

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

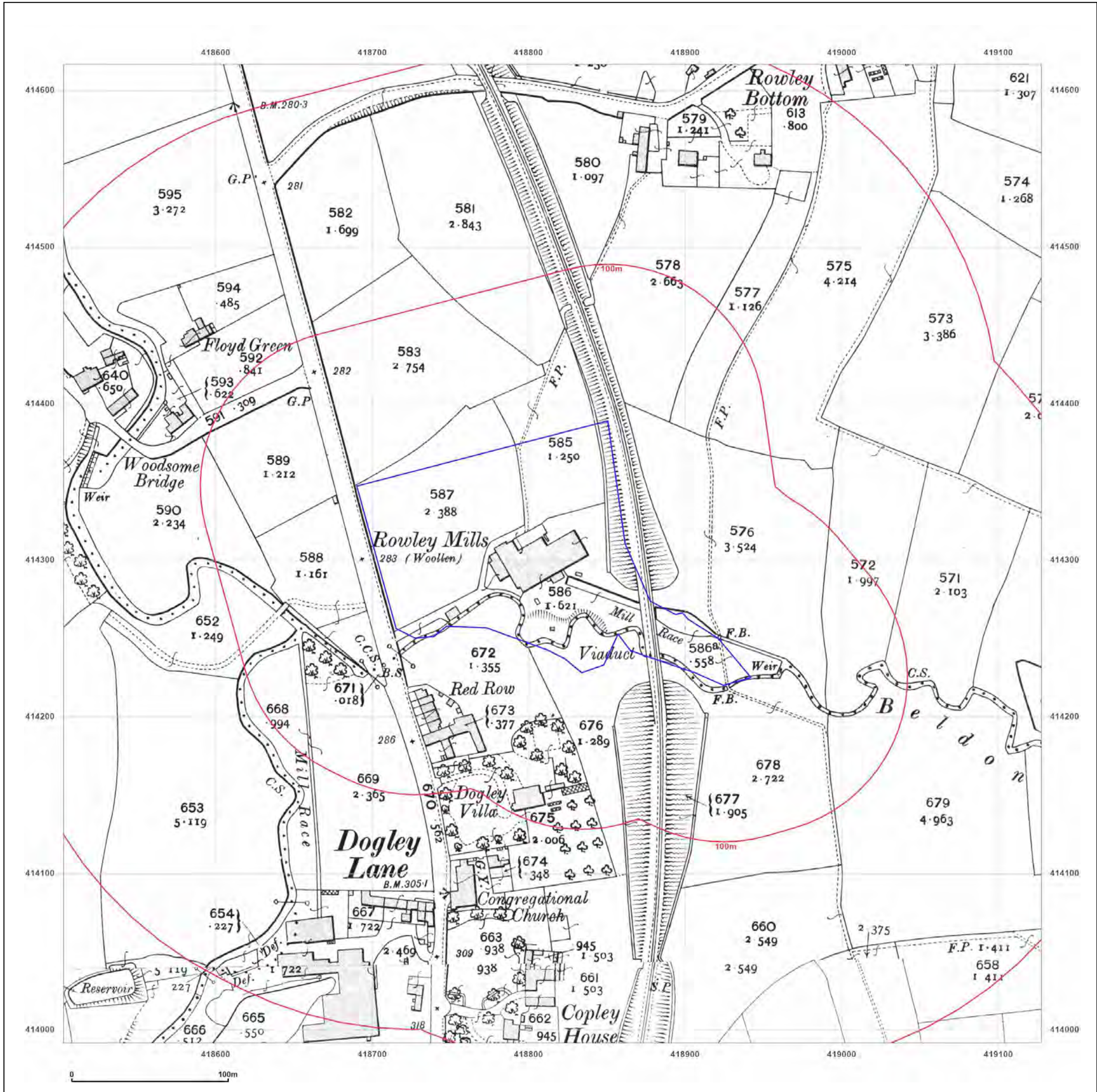


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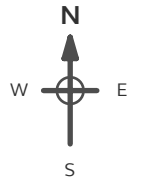
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1913-1916

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1891
 Revised 1913
 Edition 1916
 Copyright N/A
 Levelled 1914

Surveyed 1913
 Revised 1913
 Edition N/A
 Copyright N/A
 Levelled N/A

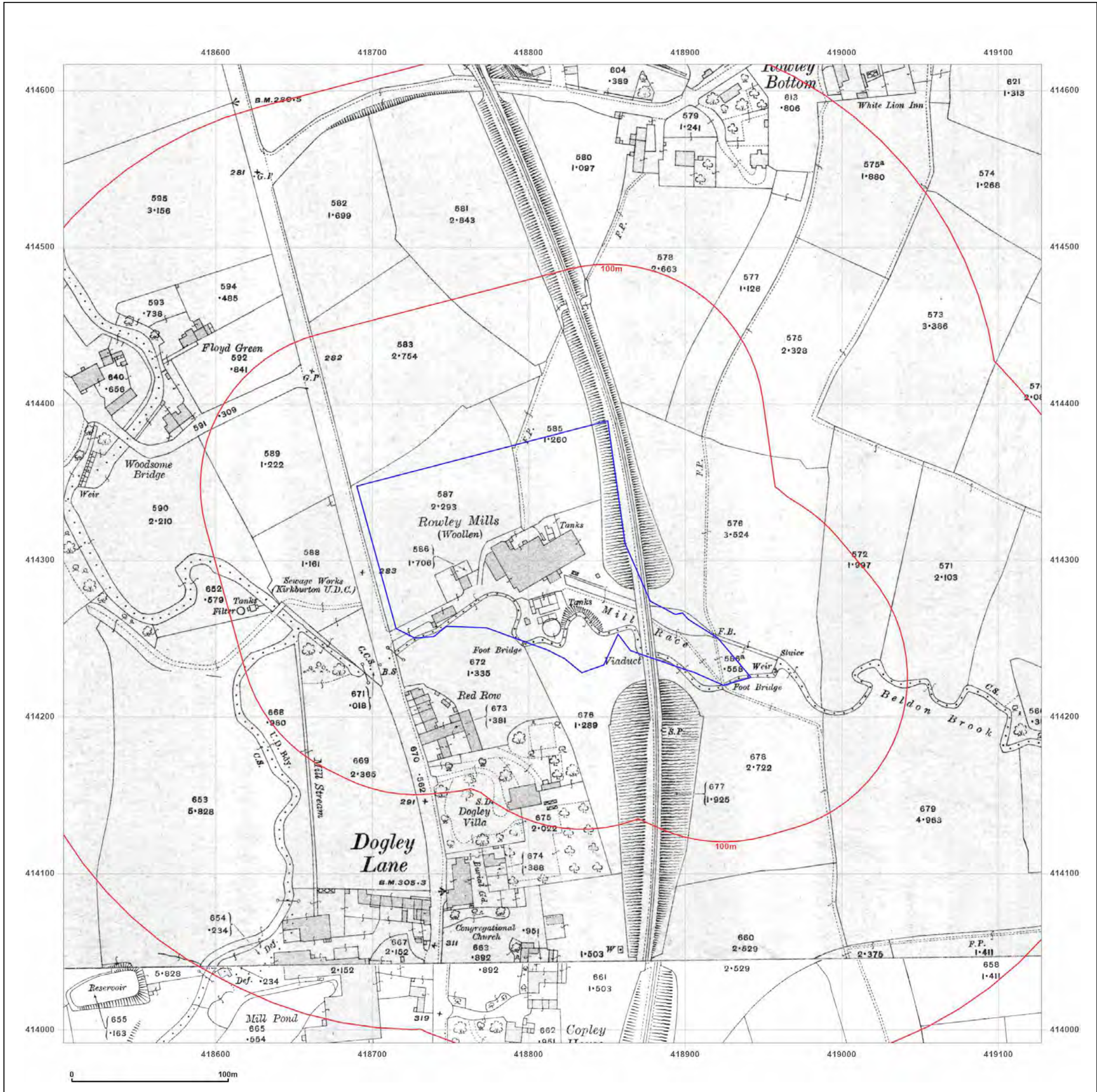


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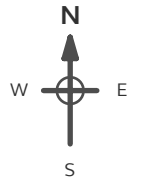
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: National Grid

Map date: 1960

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1960
 Revised 1960
 Edition N/A
 Copyright 1961
 Levelled 1959

Surveyed 1960
 Revised 1960
 Edition N/A
 Copyright 1961
 Levelled 1959

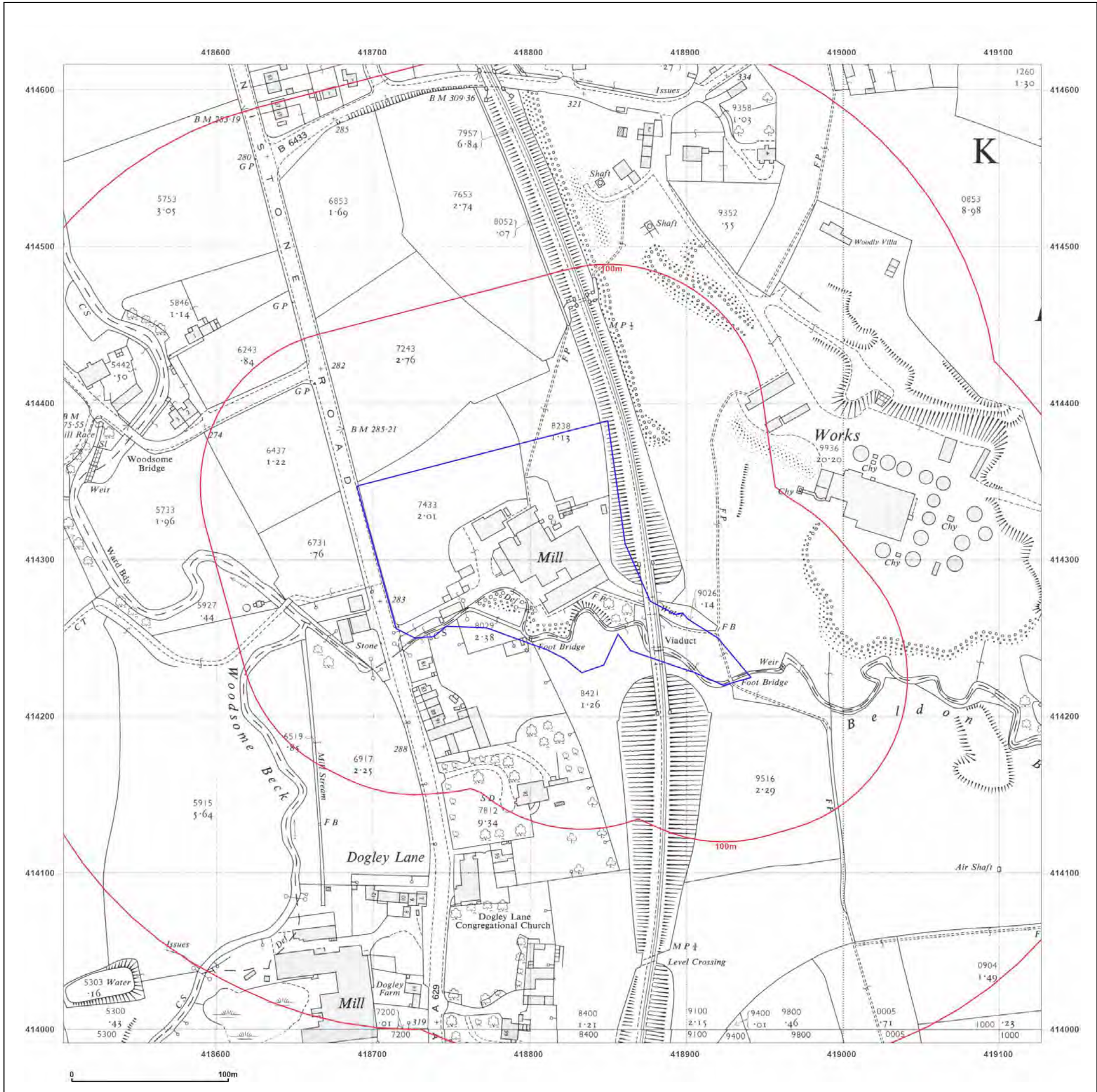


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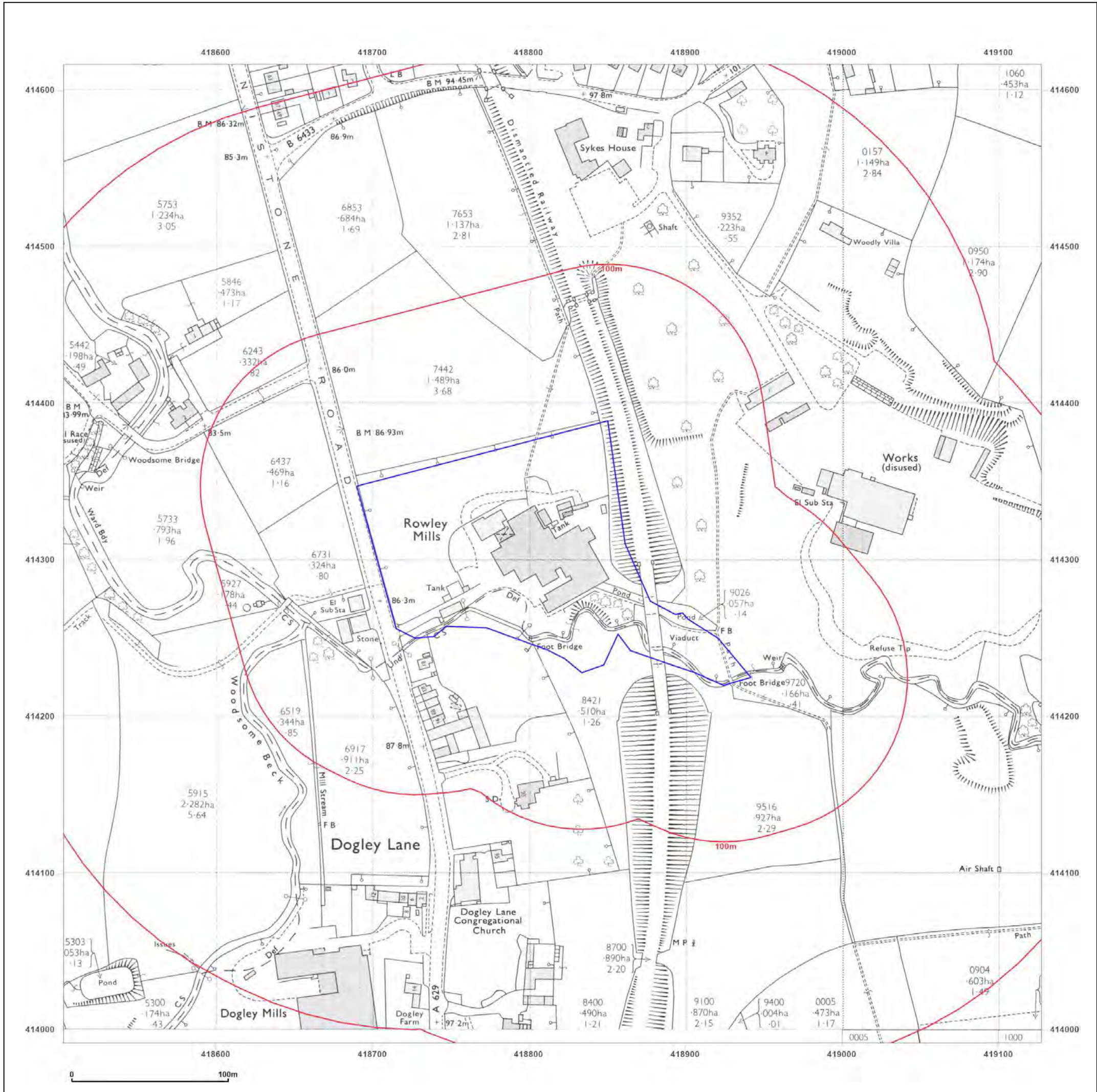
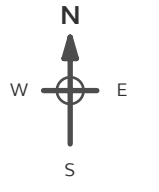
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: National Grid

Map date: 1972-1977

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1972
Revised 1972
Edition N/A
Copyright 1973
Levelled 1959

Surveyed 1977
Revised 1977
Edition N/A
Copyright 1978
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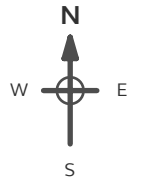
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: National Grid

Map date: 1990-1992

Scale: 1:1,250

Printed at: 1:2,000



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

Surveyed 1992
 Revised 1992
 Edition N/A
 Copyright N/A
 Levelled N/A

Surveyed N/A
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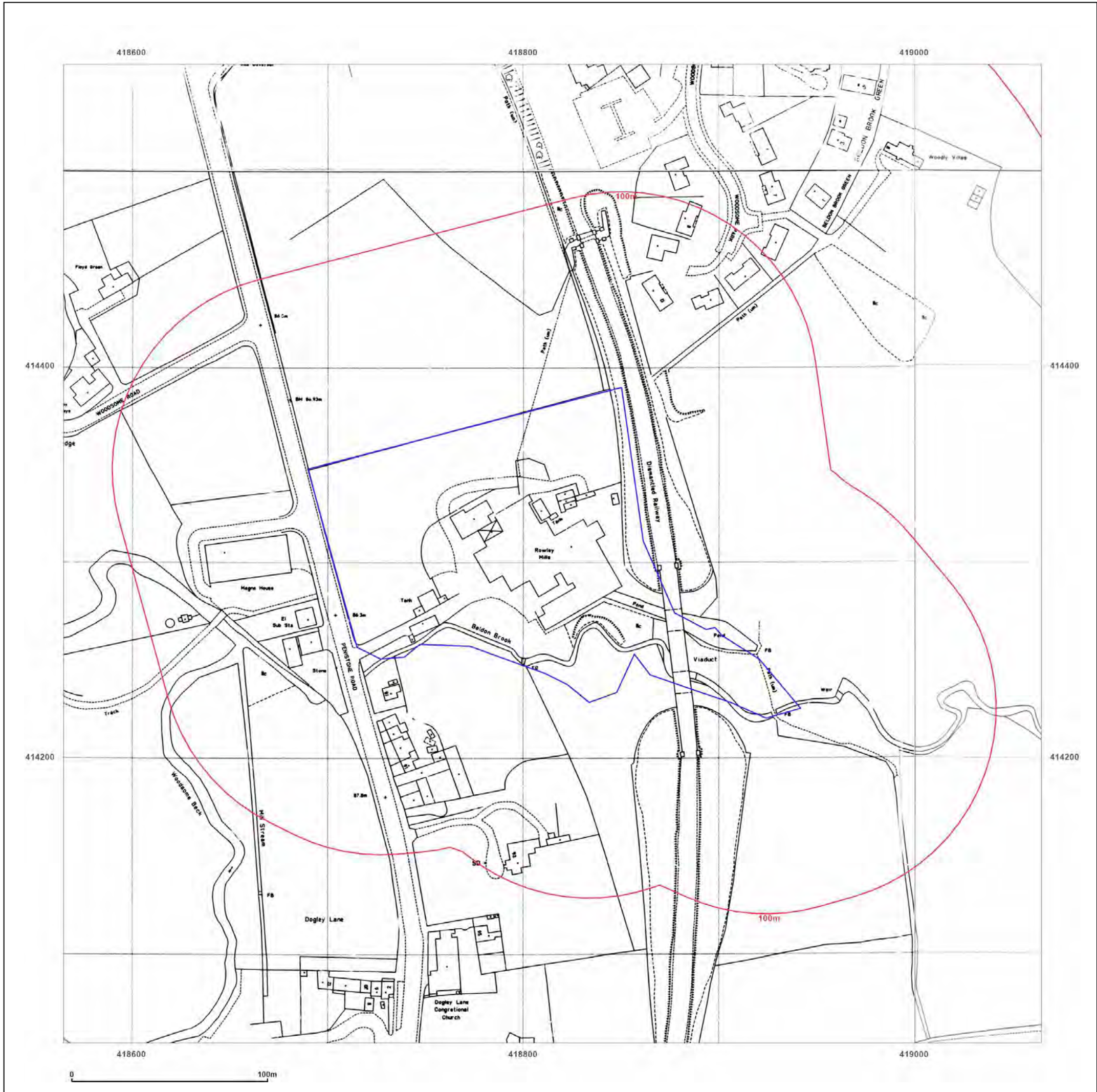


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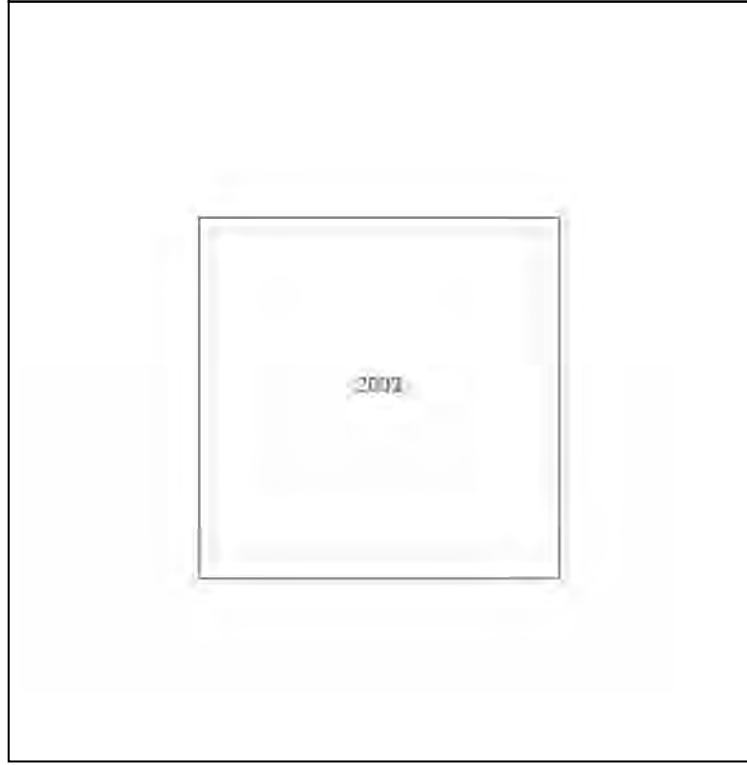
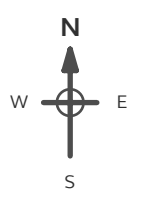
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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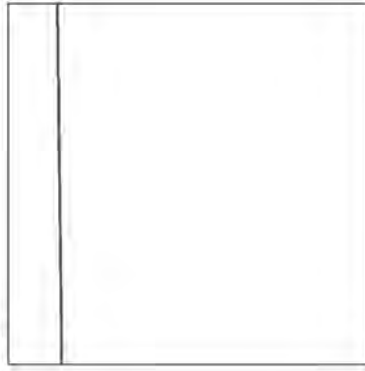
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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1854

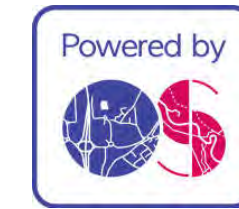
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Printed at: 1:10,560

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

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

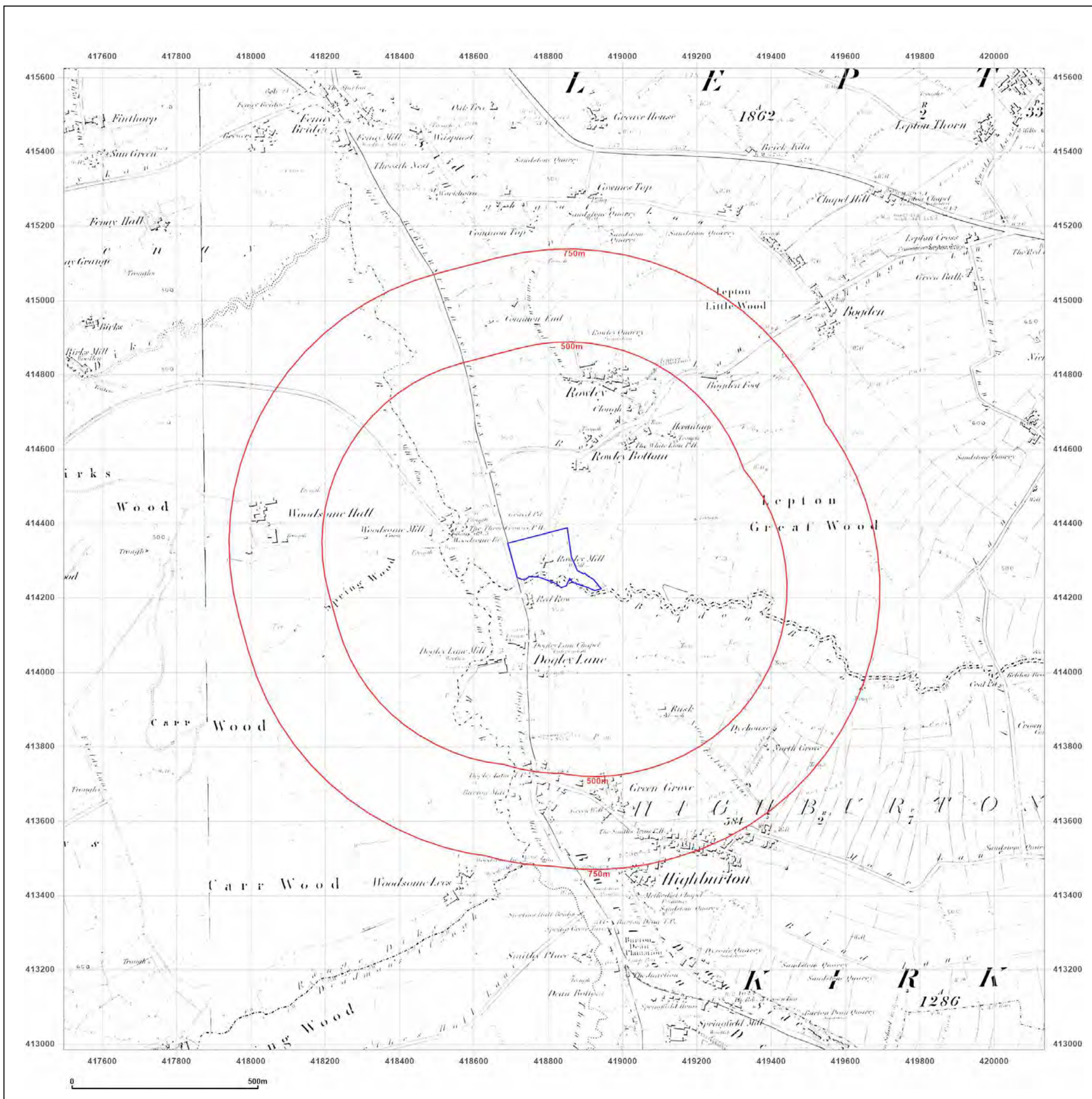


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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1888-1892

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1888
Revised 1888
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

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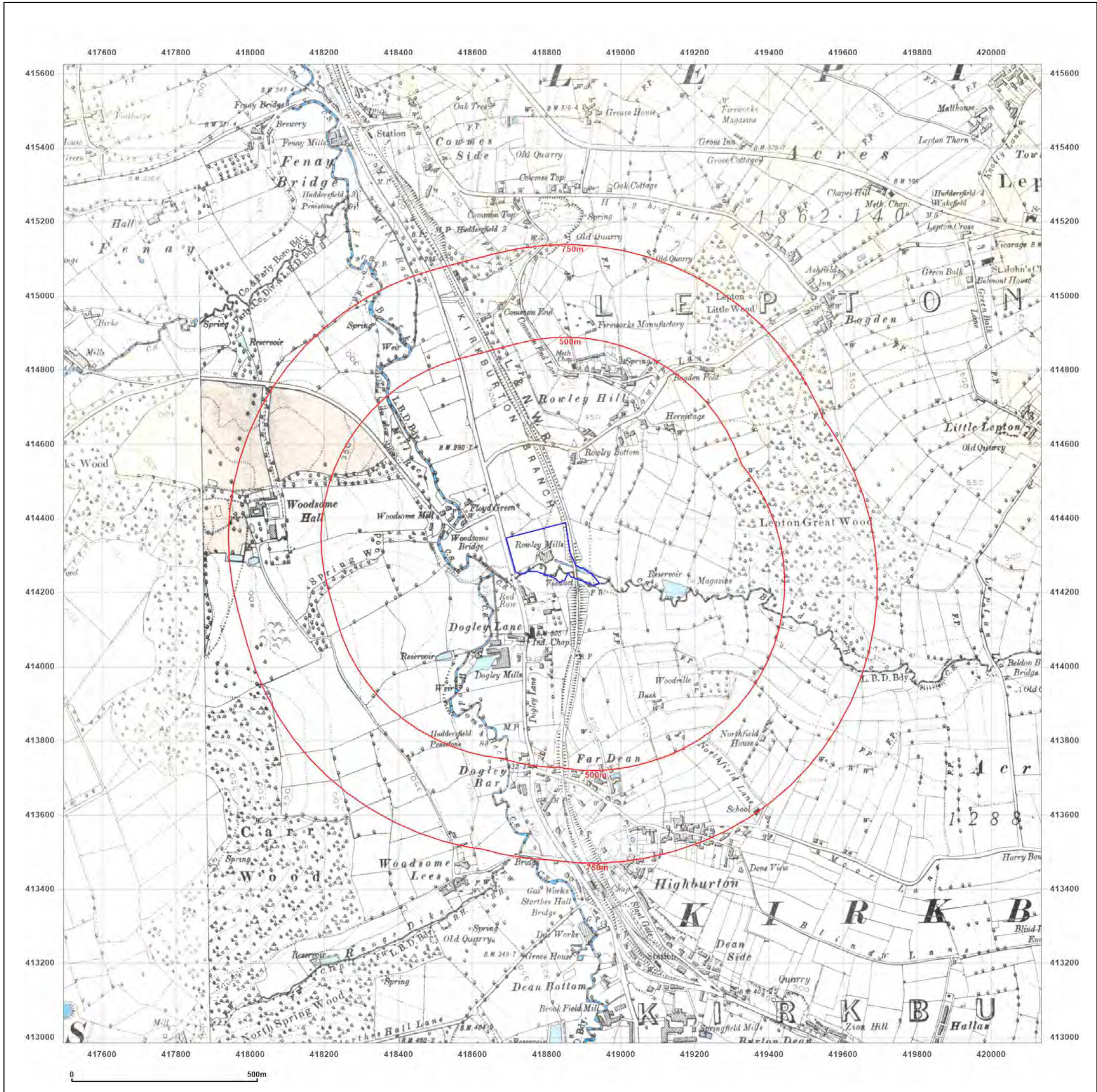


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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1904-1905

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1888
Revised 1905
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1904
Edition N/A
Copyright N/A
Levelled N/A

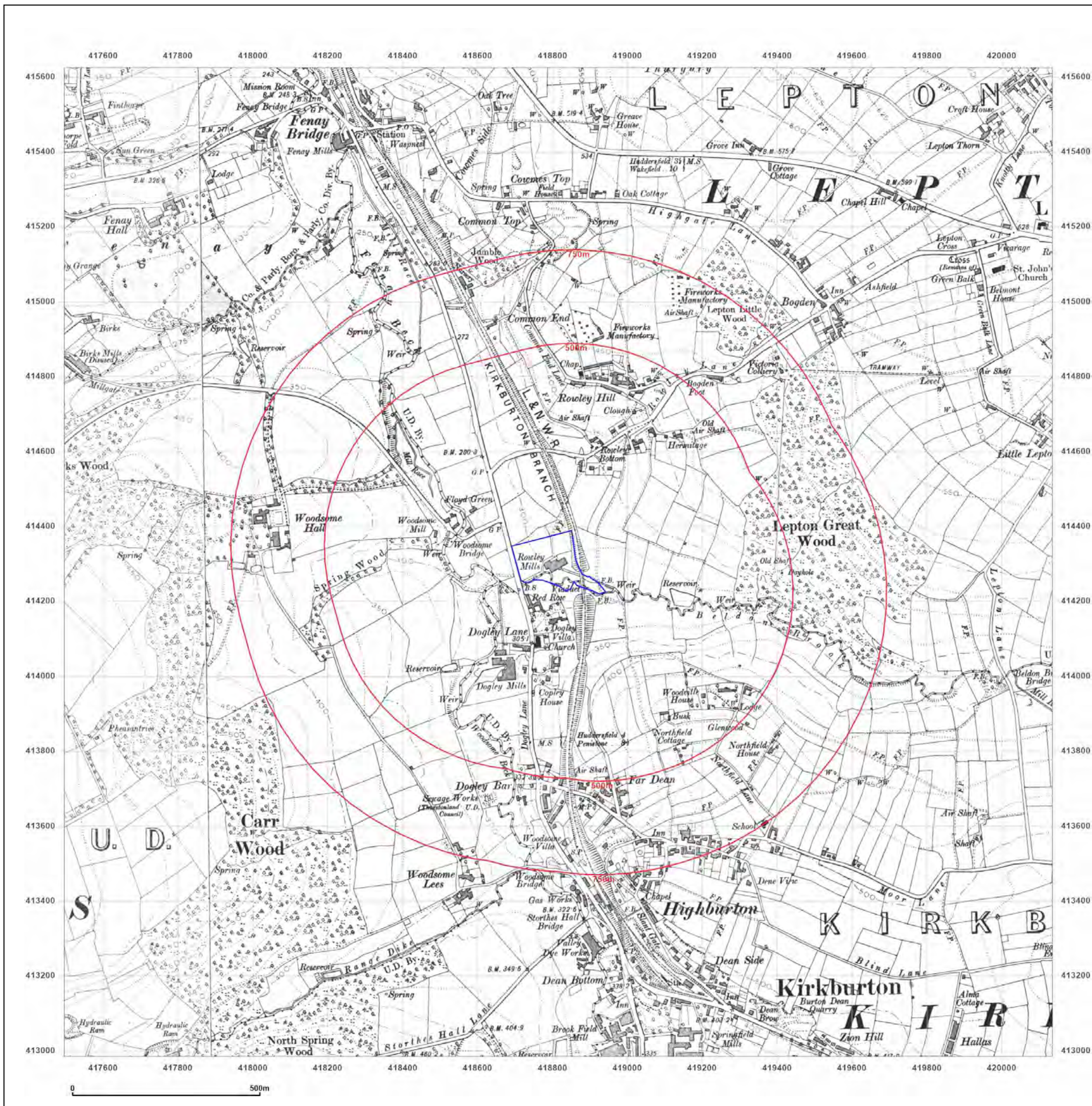


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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1930

Scale: 1:10,560

Printed at: 1:10,560



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

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

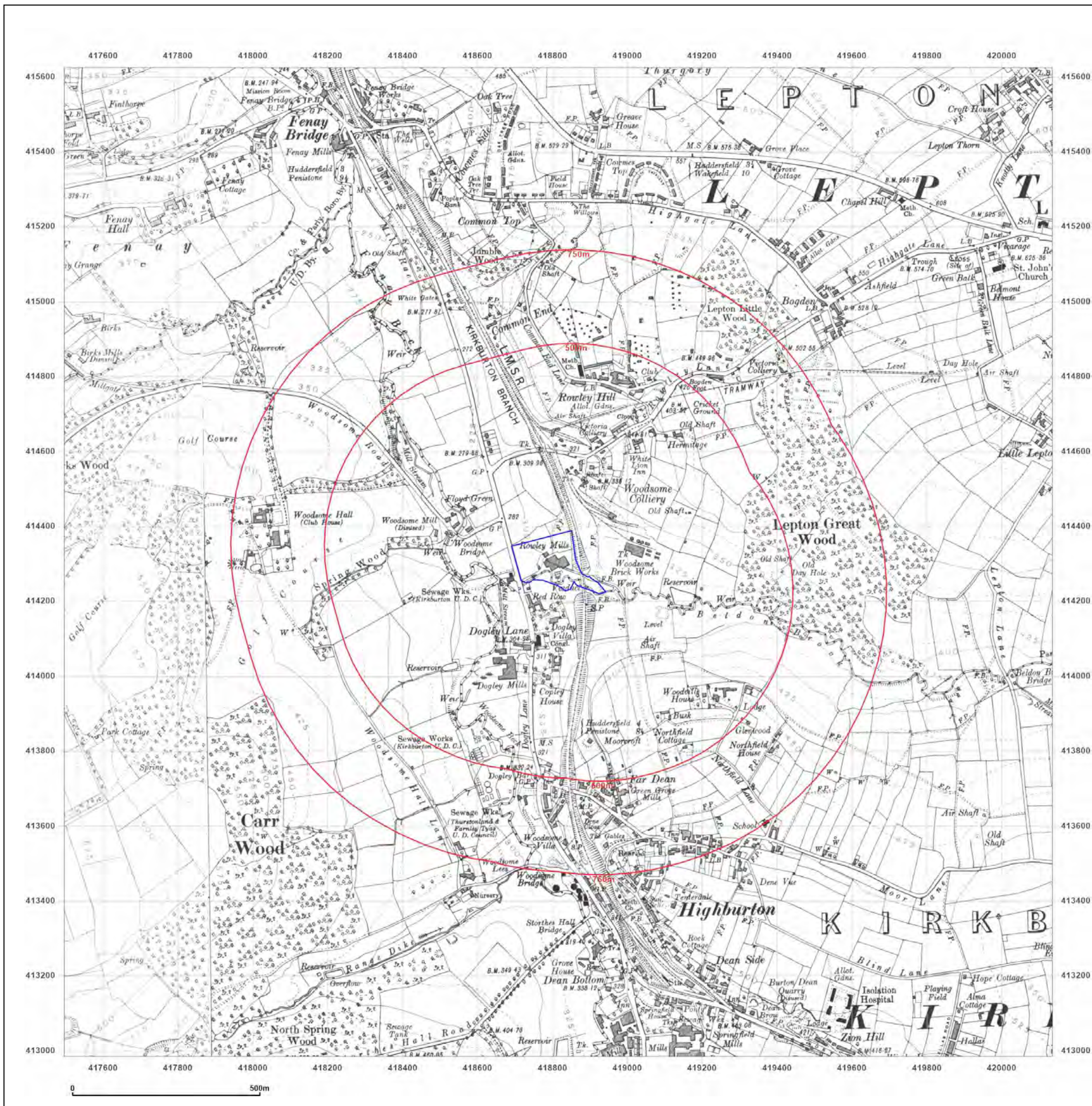


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Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1938

Scale: 1:10,560

Printed at: 1:10,560



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

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

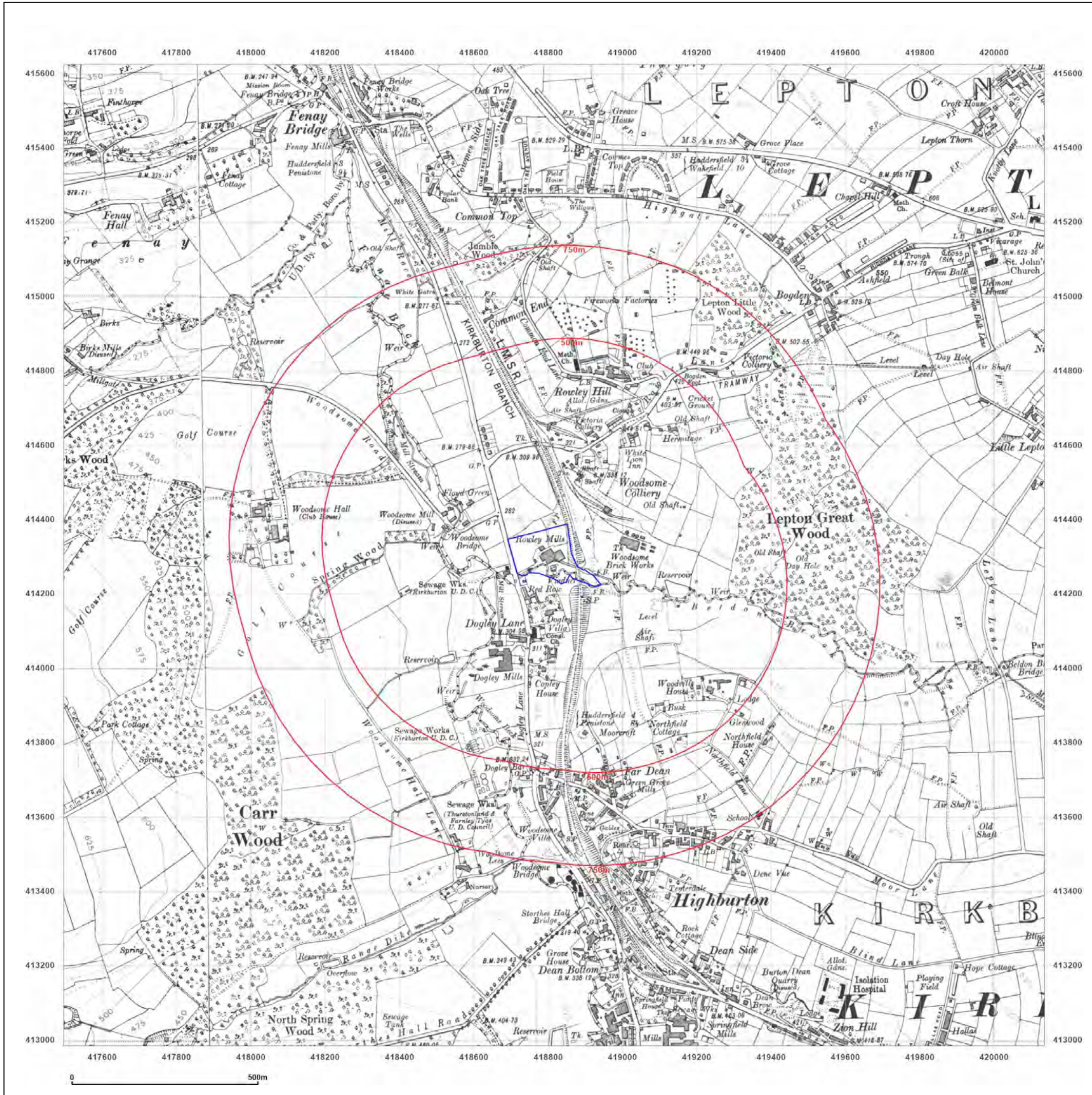


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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: County Series

Map date: 1948

Scale: 1:10,560

Printed at: 1:10,560



<p>Surveyed 1851 Revised 1948 Edition N/A Copyright N/A Levelled N/A</p>	<p>Surveyed 1851 Revised 1948 Edition 1948 Copyright N/A Levelled N/A</p>
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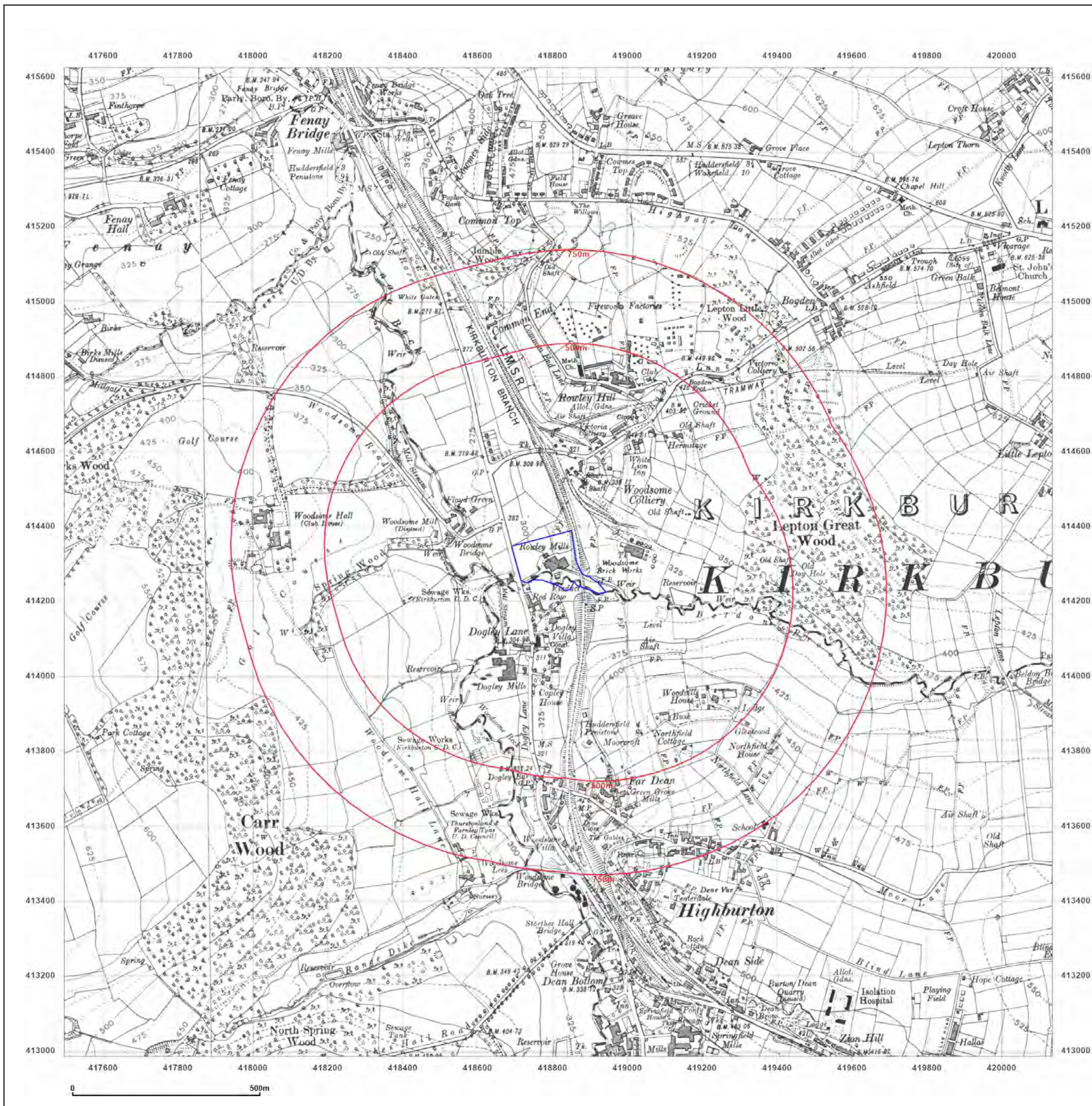


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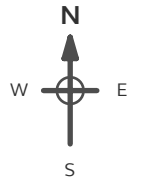
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Map Name: Provisional

Map date: 1951-1956

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1951 Revised 1951 Edition N/A Copyright 1956 Levelled N/A	Surveyed 1951 Revised 1951 Edition N/A Copyright N/A Levelled N/A
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Surveyed N/A Revised 1955 Edition N/A Copyright 1955 Levelled N/A	Surveyed N/A Revised 1955 Edition N/A Copyright 1955 Levelled N/A
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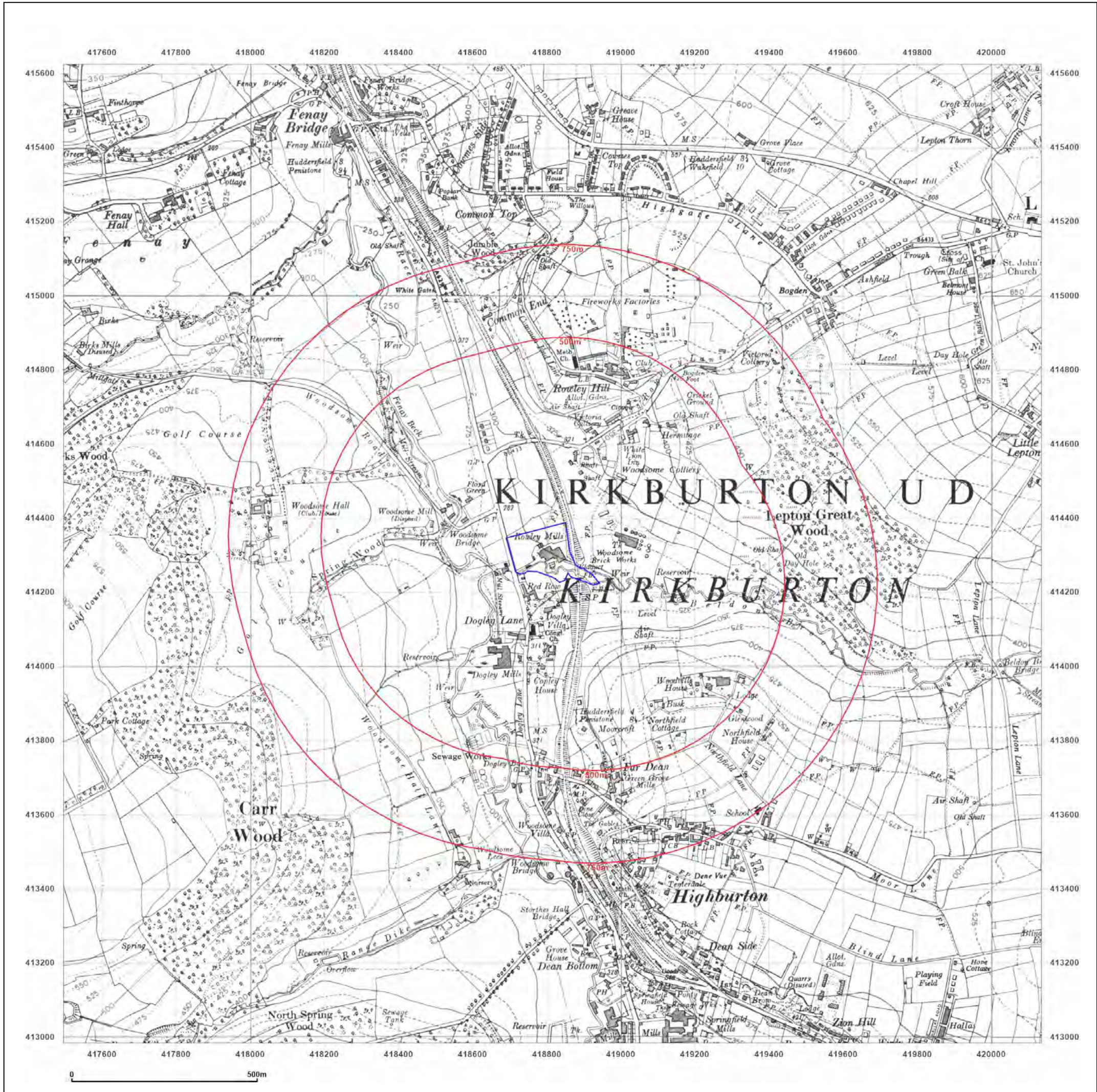


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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: Provisional

Map date: 1965-1968

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1965 Revised 1965 Edition N/A Copyright N/A Levelled N/A	Surveyed 1966 Revised 1966 Edition N/A Copyright N/A Levelled N/A
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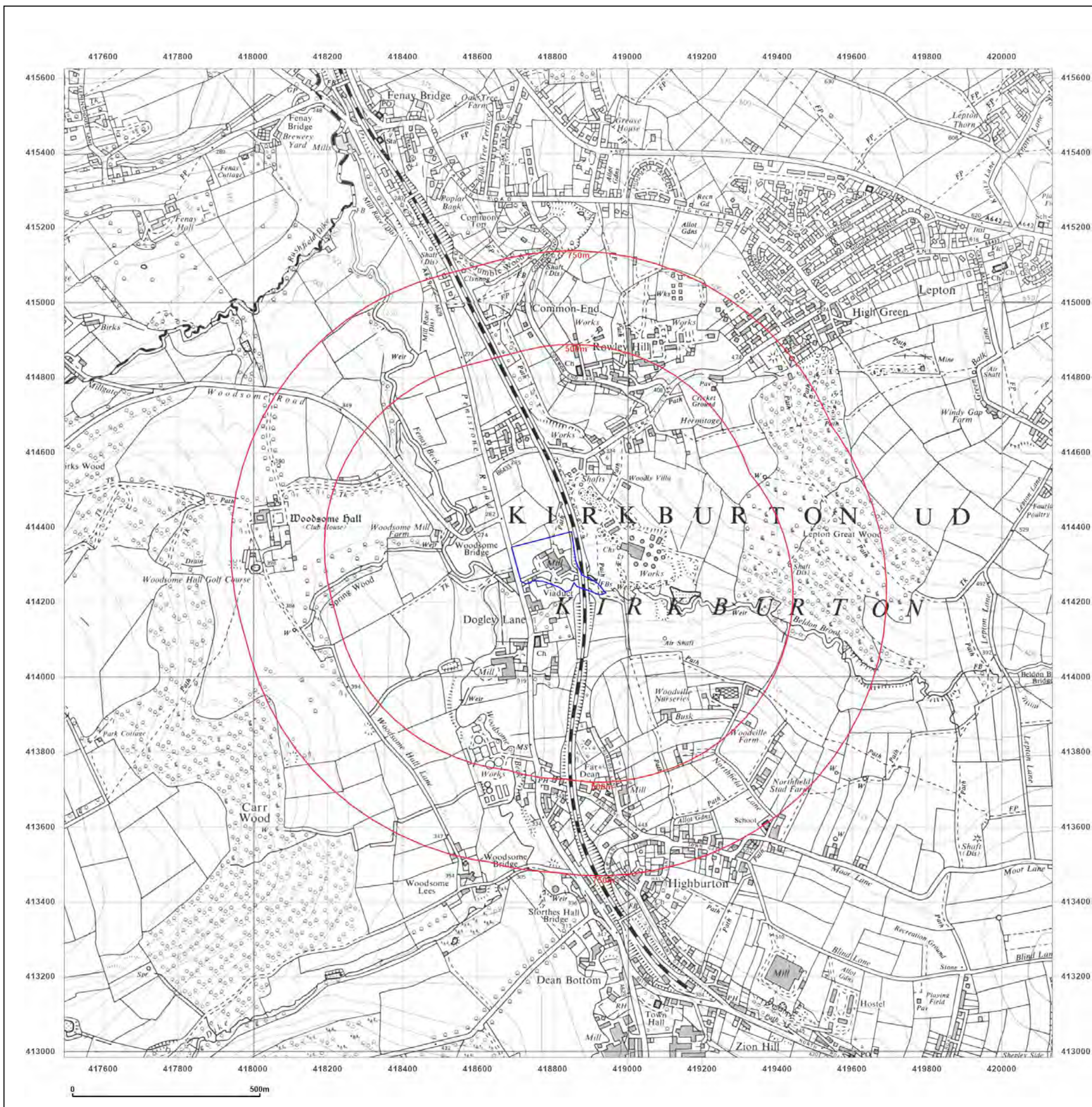


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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: National Grid

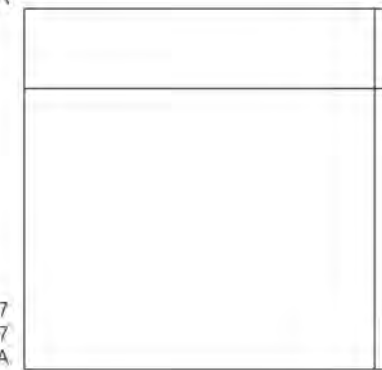
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Scale: 1:10,000

Printed at: 1:10,000



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



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

Surveyed 1977
Revised 1979
Edition N/A
Copyright N/A
Levelled N/A

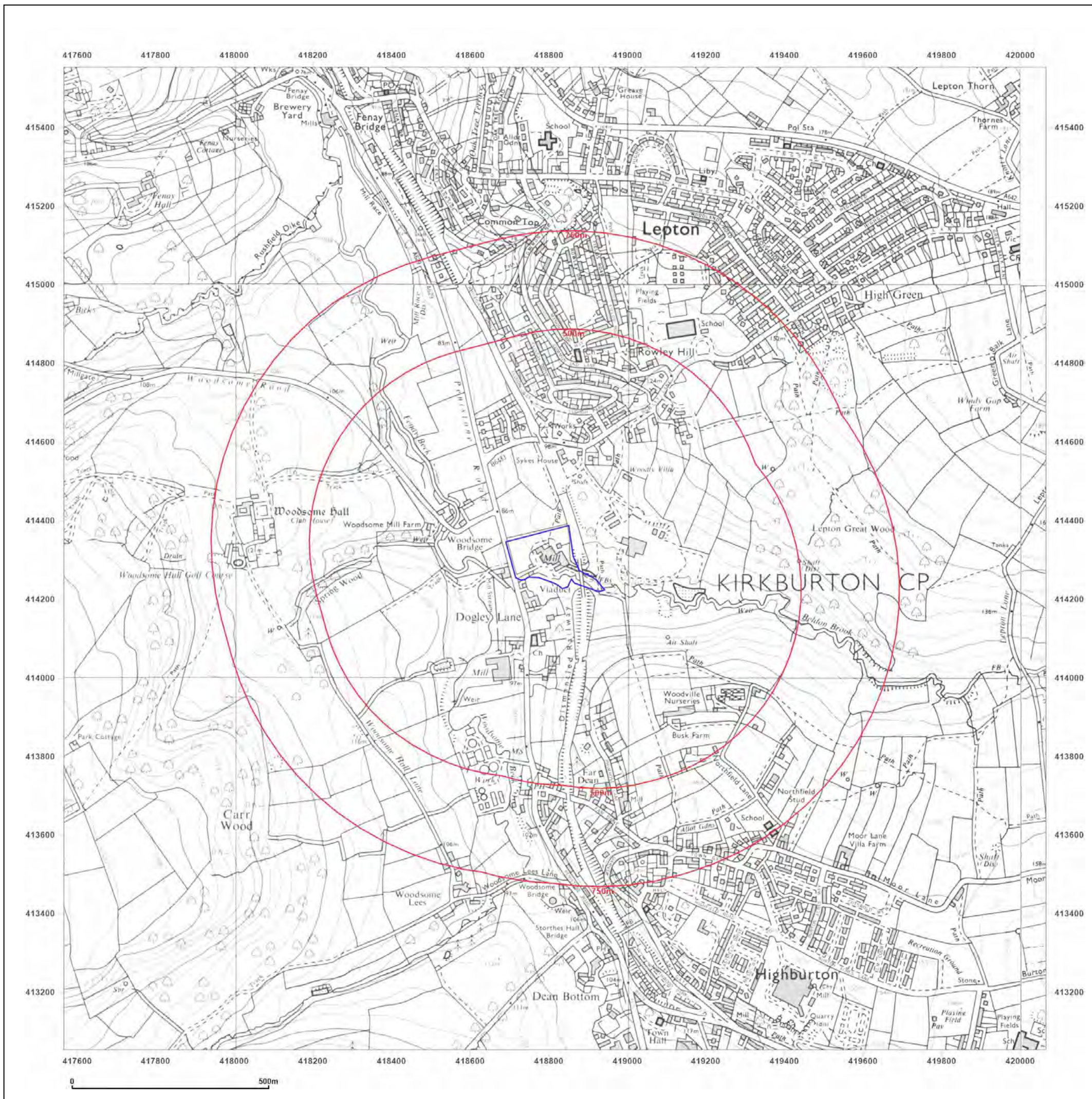


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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

Map Name: National Grid

Map date: 1988-1993

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1984
Revised 1988
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1991
Revised 1993
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1984
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Copyright N/A
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Surveyed 1990
Revised 1993
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Levelled N/A

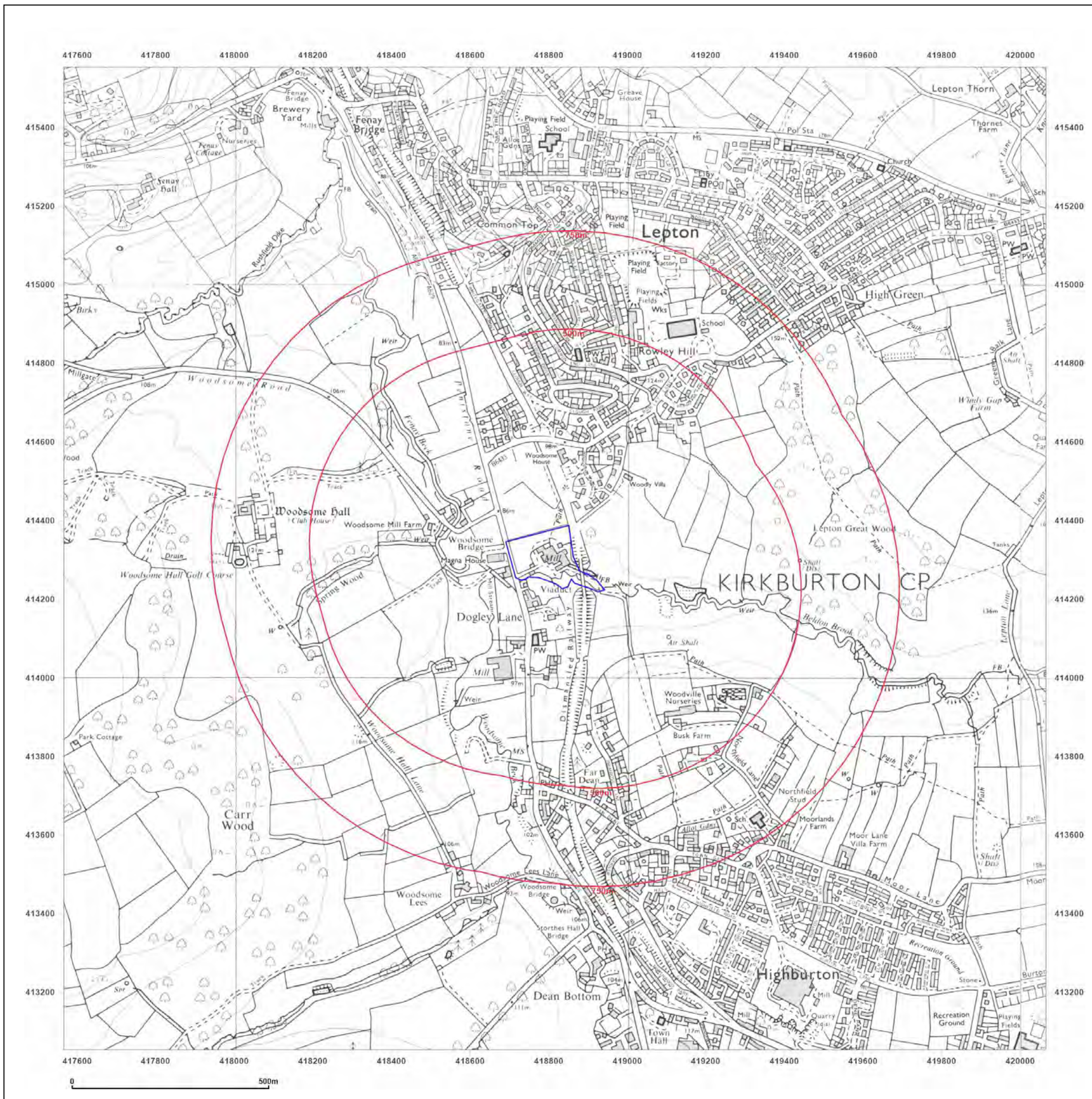


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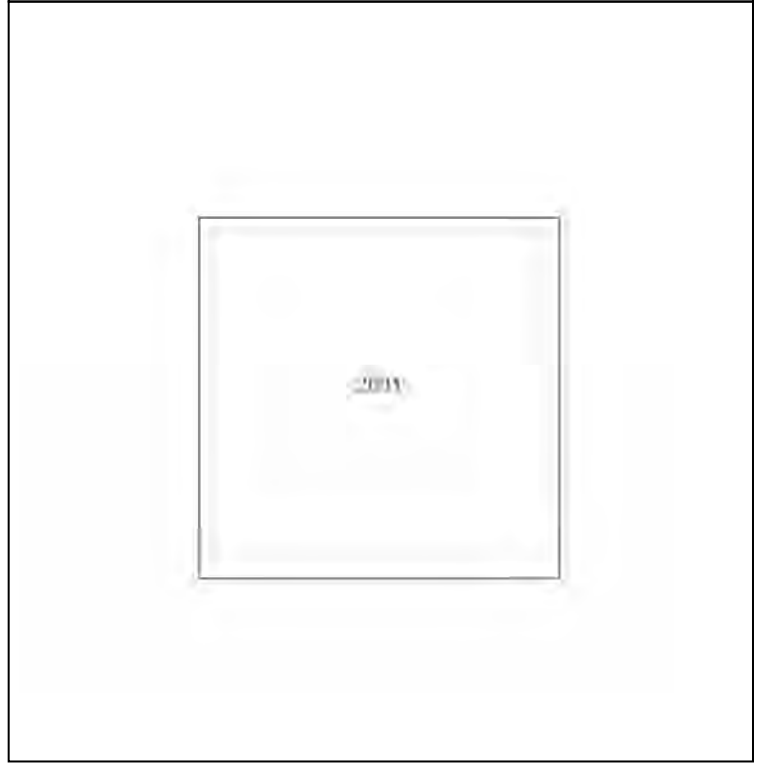
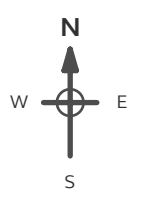
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Client Ref: PO2345-D30204
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Grid Ref: 418815, 414304

Map Name: National Grid
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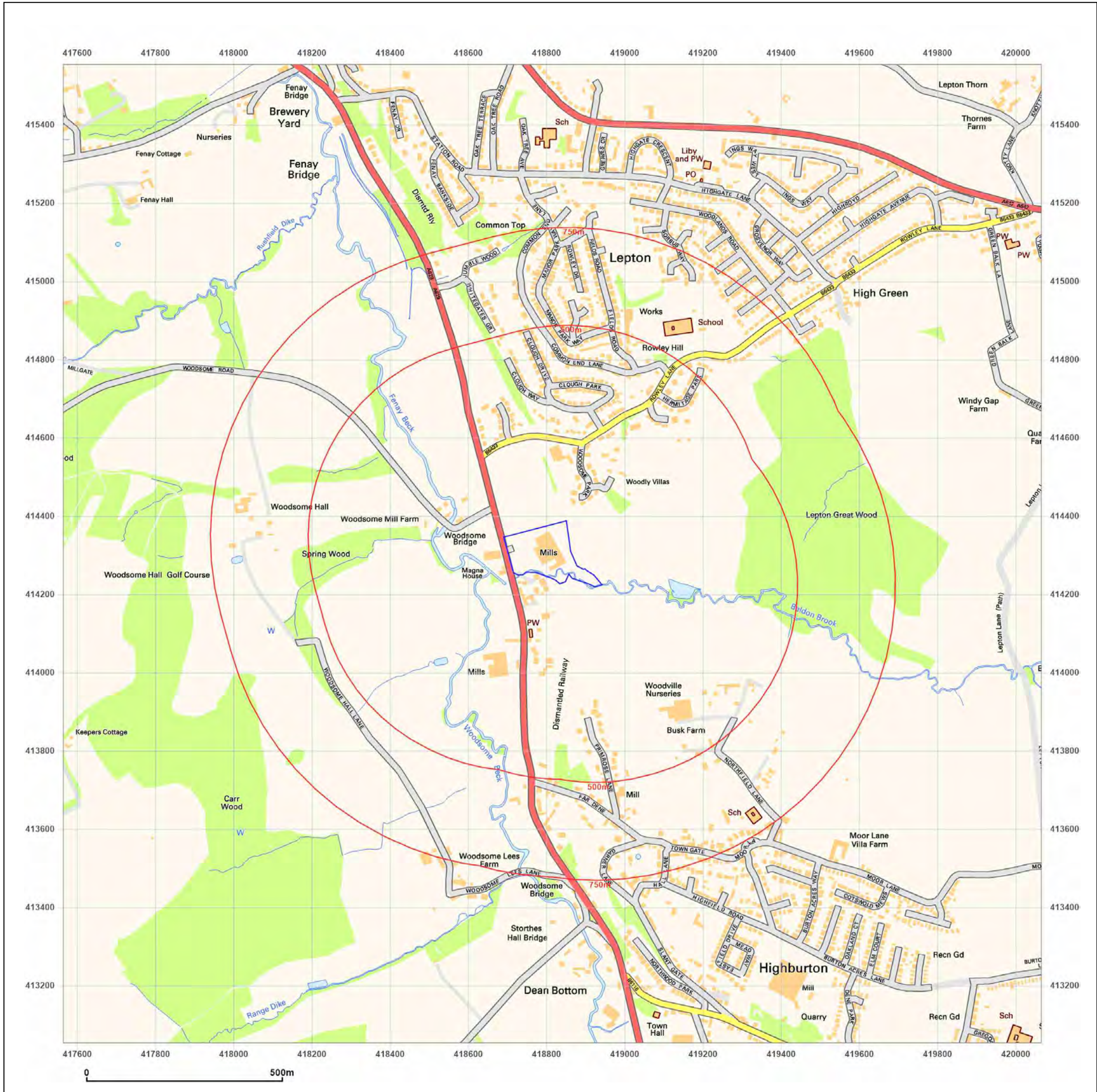
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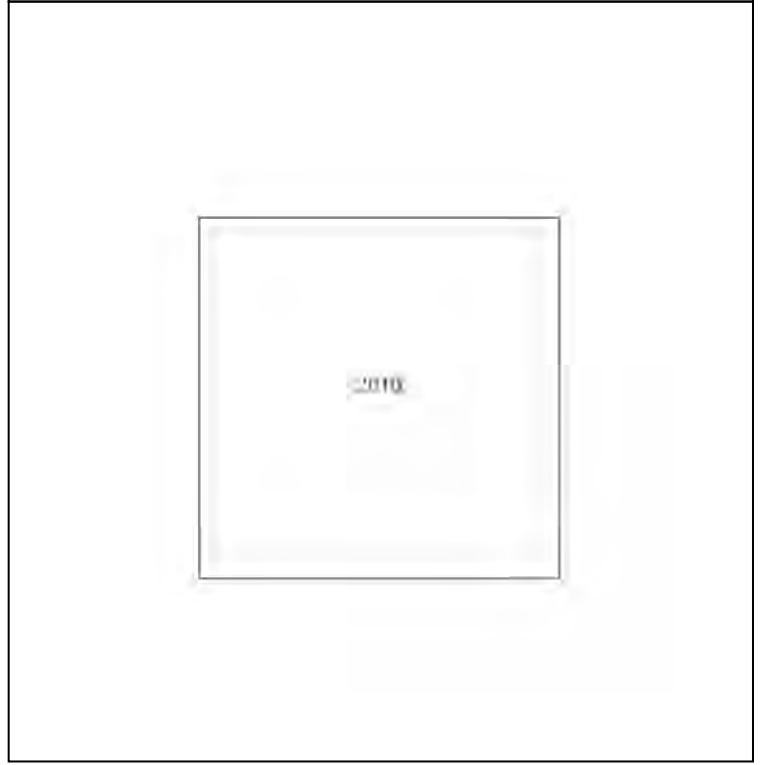
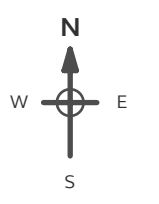
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Client Ref: PO2345-D30204
Report Ref: GS-VML-77J-BFK-GON
Grid Ref: 418815, 414304

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



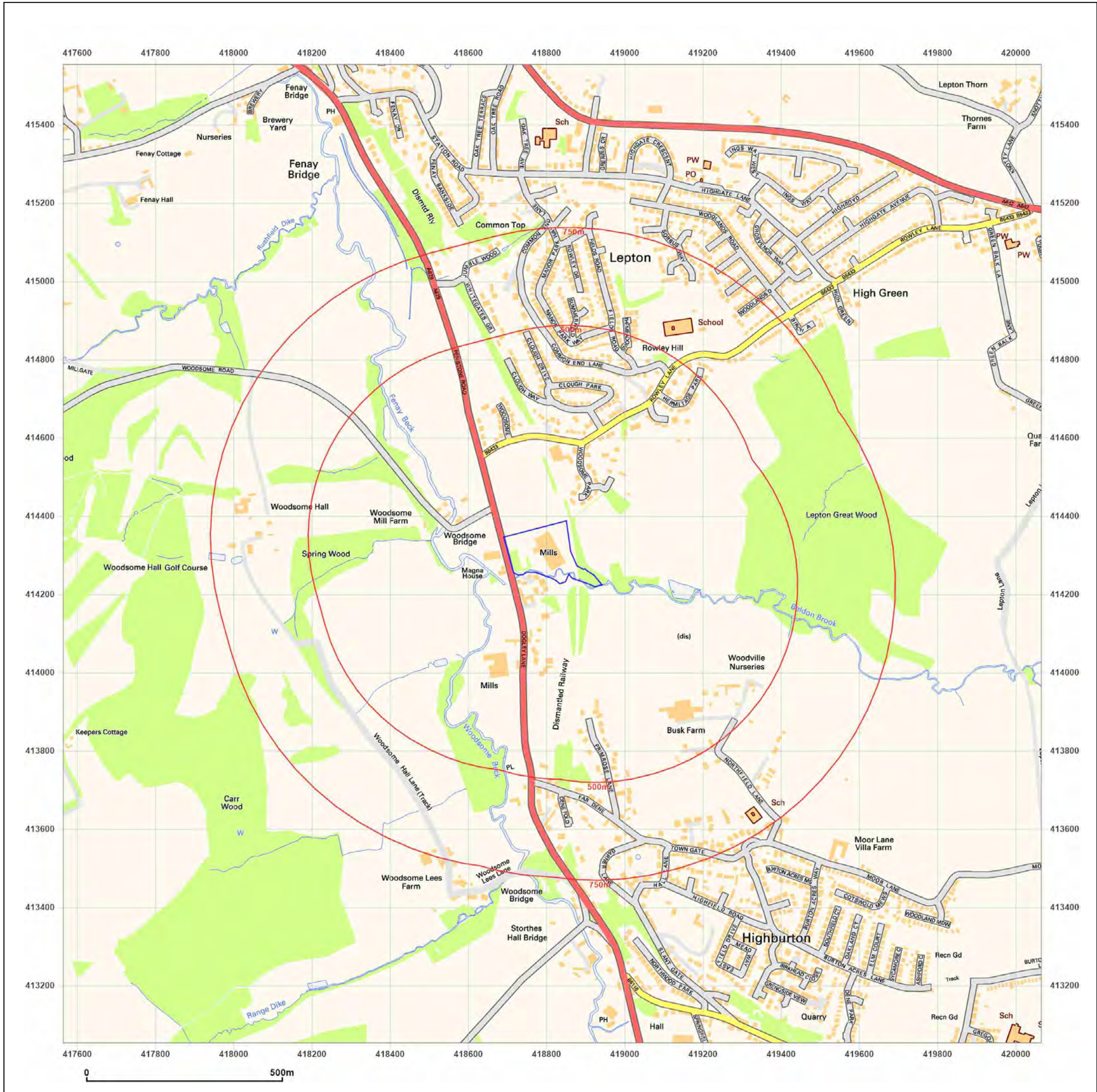
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Site Details:

RELiance PRECISION LTD,
ROWLEY MILLS, PENISTONE
ROAD, FENAY BRIDGE,
HUDDERSFIELD, HD8 0LE

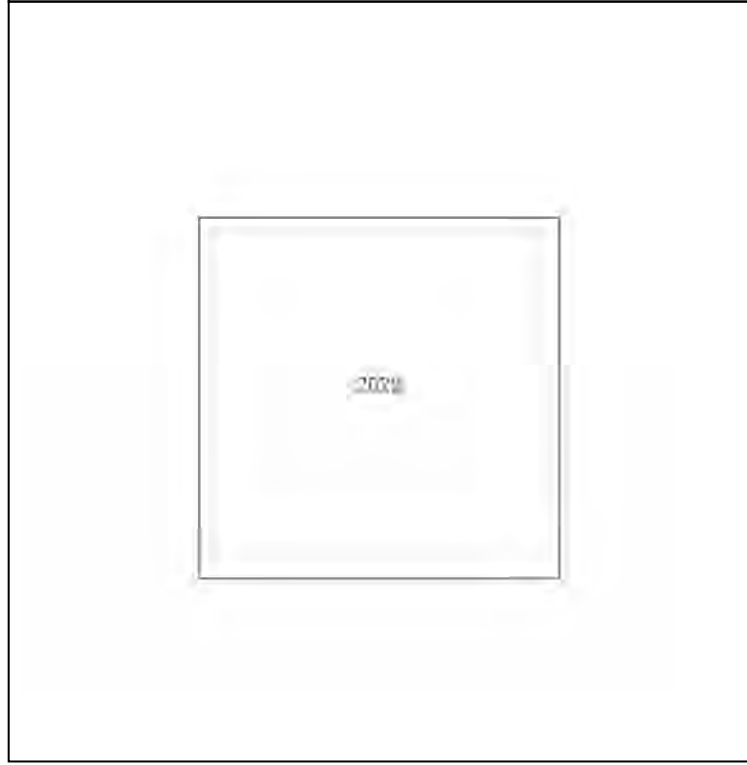
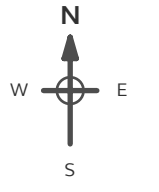
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Report Ref: GS-VML-77J-BFK-GON
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Map Name: National Grid

Map date: 2023

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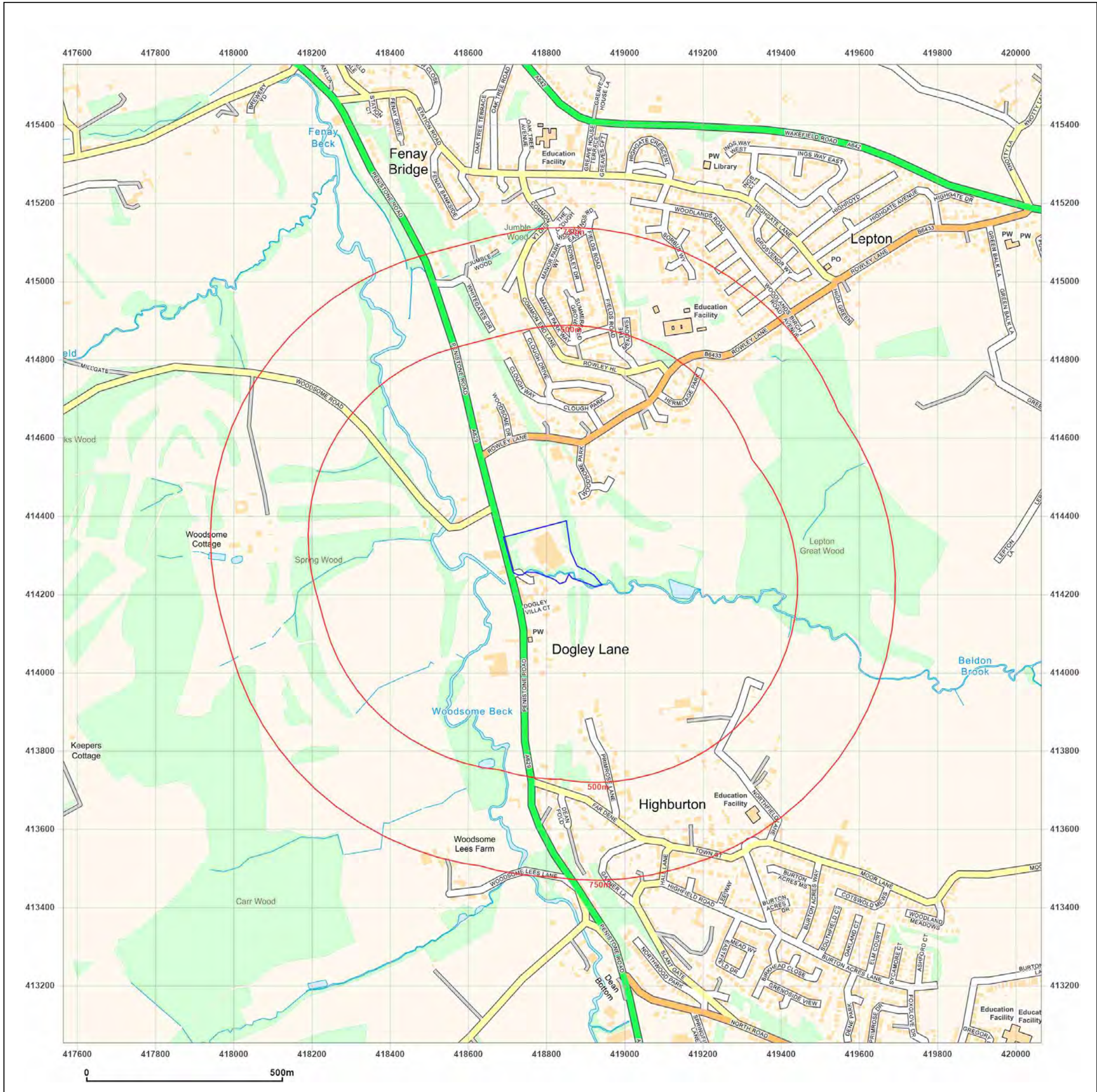


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APPENDIX D

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. 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.