PHASE I: DESKTOP STUDY AND PRELIMINARY RISK ASSESSMENT REPORT FOR WOODHEAD ROAD, HONLEY.

For: Paul Matthews Architectural Ltd

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1. Introduction

GeoEnviro Solutions Limited (GES) was instructed by Paul Matthews Architectural Ltd (PMA) to produce a Phase I: Desktop Study and Preliminary Risk Assessment Report for the site located at Woodhead Road, Honley.

This report is written in accordance with the guidance set out in Land Contamination Risk Management (LCRM), Guiding Principles for Land Contamination (GPLC) 1 – 3, and the National Planning Policy Framework (NPPF).

1.1 Objectives

The objectives of this Phase I report are to:

- To gain an understanding of any concerns of the regulatory authorities (Local Authority Planning, Building Control and Environmental Health departments and the Environment Agency) regarding local land filling, flooding, mining, quarrying and other concerns.
- Establish the environmental setting, including sensitivity in relation to human health, surface water, groundwater, and ecological receptors.
- Review historical and recent uses to assess the potential for contamination to be present from past and current land-use.
- Assess by qualitative means the potential nature and extent of contamination from those uses and the environmental risk and liabilities which may affect the site redevelopment.
- Identify the prevalent source-pathway-receptor linkages present on site by means of a Tier 1 contamination risk assessment which incorporates the formulation of a Conceptual Site Model.

1.2 Information Sources

During the production of this report the following primary information sources have been utilised:

- Enviro + Geo Insight data obtained from Groundsure (4C Group Ltd).
- Historical Ordnance Survey mapping at scales ranging from 1:1,250 to 1:10,560, obtained from Groundsure.
- BGS Open Geoscience online geological mapping tool.
- OS Open Data online mapping tool.
- Coal Authority Online interactive map.
- Coal Mining Report.

1.3 Previous Investigations

GES have not been provided with any previous investigation reports and are unaware that any have been carried out to date.

2. Site Location and Description

2.1 Site Location

The site is located at land off Woodhead Road, Honley, at approximate National Grid Reference NGR: 414265:411700 (centre of the site).

A site location plan is presented as Drawing No. GES 1623-01 in **Appendix 1**.

2.2 Site Reconnaissance

A site reconnaissance was carried out on the 16th September 2021. All details from the site walkover are included in the site description below.

2.3 Site Description

The site is an irregular shaped piece of land with an approximate area of 0.1 Ha.

The topography of the site is generally flat, albeit on two distinct levels, approximately 4.0m apart.

The site is currently occupied by a partially cleared site in the early stages of being prepared for construction. The site is access from the west, off Woodhead Road, at road level. Approximately 4 to 5 m into the site from this entrance way is the top of a retaining wall, with a height of approximately 4m. The top of the retaining wall is protected by a Heras type fence. The upper area is occupied by partially installed services (which protrude from the retaining wall) has several planters surround existing trees, the start of a landscaping provision.

The lower level is accessed from an entrance via the property adjacent to the north of the site. This level is split into two with a permanent wooded fence to the east and a temporary section between this and the retaining wall. The southern area is currently occupied by rough grassland, the northern area contains numerous pallets of building stone. There is a further stockpile of similar stone along with small stockpiles of general rubble in various locations across the site. A footpath runs from the lower section eastwards, round the rear of the site, down a slight slope towards an area of undeveloped land, level with the River Holme, which runs along the east of the site, northwards, bending around the north eastern corner before flowing northwards.

An approximate distribution of the surface covering is given below in Table 2.1: Site Surface Covering.

Table 2.1: Site Surface Covering

Type of Surface Cover	Distribution (%)
Soft Ground (grassed and landscaped areas)	60
Hardstanding	40
Roadways	0
Buildings	0
Water (ponds, streams)	0

The site is bounded by Woodhead Road to the west, a new residential property to the south, a further one to the north with a thin strip of land and the River Holme to the east.

Access to the site is via Woodhead Road from the north.

A selection of photographs from the site walkover are presented in **Appendix 2**.

Surrounding Area

The current surrounding land use to the site is generally residential, commercial or industrial properties in all directions.

The topography of the surrounding area is generally flat, sloping very slightly southwards.

2.4 Future Site Usage

It is currently proposed to construct two new two storey residential properties at the site including the associated road access, parking and gardens.

A proposed development plan, as provided to GES, drawn by Paul Matthews Architectural Ltd, referenced 20/313/03g and dated February 2020 is provided within **Appendix 1**.

This proposed development plan has been utilized in the preparation of this risk assessment, if an alternative development is subsequently proposed this assessment may need revising and should not be relied upon in its present outcome.

3. Environmental and Geological Setting

Information on the environmental and geological setting of the site is presented in a Groundsure Enviro + Geo Insight Report prepared for the site; a copy of this report is presented in **Appendix 3**.

3.1 Site Geology

The site geology has been assessed by reference to information from British Geological Survey (BGS) mapping summarised in the Groundsure Enviro + Geo Insight data. Information from these sources referenced in this report has been predominantly limited to that identified within 50m of the site (underlying geology) or 250m of the site (structural features, borehole records), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Artificial/Made Ground

The artificial deposits underlying the site are described as Made Ground (Artificial Deposits).

Superficial Ground and Drift Deposits

The superficial ground deposits underlying the study site comprise of Alluvium, comprising of Clay, Sand and Gravel.

Bedrock Geology

Underlying the superficial drift deposits is bedrock comprises of Rough Rock, comprising Sandstone.

Landslips

There are no records within 500m of the site.

Linear Features

There is record of a Fault (inferred) on site with the following additional features within 500m of the site:

- 6m NE: a Fossil Horizon, identified as a Marine Band
- 333m S: a Fault (inferred)
- 354m NE: a Coal Seam (inferred)
- 430m E: a Coal Seam (observed)
- 434m E: a Coal Seam (inferred)
- 455m SW: a Fault (inferred, crossmarks on the downthrow side)

Natural Ground Subsidence

The following hazard ratings applicable to the site and land within 50m are presented in the Enviro + Geo Insight Report:

- Shrink / swell clays: Very low.
- Running sands: Low.
- Compressible deposits: Moderate.
- Collapsible deposits: Very low.
- Landslides: Moderate
- Ground dissolution of soluble rocks: Negligible.

3.2 Borehole Records

There are five BGS boreholes recorded within 250m of the site. The furthest two of which, located approximately 220m east and 238m southeast of the site respectively, are confidential, so no information is available from these.

The remaining three are all located north of the site, ranging from approximately 107m to 149m in distance from the site, all of which are located Crossley Mills site.

These borehole record Clay and gravel to a depth of circa 4 mbgl over lying Blue Shale with a thickness of approximately 10 m, encountering Rough Rock at a depth of approximately 14 mbgl. Coal was encountered at various depth, from approximately 56 mbgl to approximately 180 mbgl.

3.3 Site Hydrogeology

These records are derived by Groundsure from Environment Agency and British Geological Survey data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report. Information from these sources referenced in this report have been predominantly limited to those identified within 250m of the site (or 1000m of the site for abstractions), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Table 3.1: Aquifer Definitions, below, presents Environment Agency aquifer designations.

Table 3.1: Aquifer Designations

Principal Aquifer	Layers with high intergranular and/or secondary permeability capable of supporting water supplies at strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as Major Aquifers.
Secondary (A) Aquifer	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.
Secondary (B) Aquifer	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water bearing parts of former Non-Aquifers.
Secondary Undifferentiated Aquifer	Layers that cannot be attributed to a category A or B rock type. These layers could have previously been described as a minor or a non-aquifer due to their variable characteristics.
Unproductive strata	Rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

Aquifer within Superficial Deposits

As a consequence of the superficial geology underlying the site, the site is underlaid by a Secondary (A) Aquifer within the Superficial Deposits.

Permeability of Superficial Deposits

The minimum and maximum permeability are ranging between Very Low to Low and the flow type is recorded as Intergranular.

Aquifer within Bedrock Geology

As a result of the bedrock geology underlying the site, the site is underlain by a Secondary (A) Aquifer within the Bedrock.

Permeability of Bedrock Deposits

The minimum and maximum permeability are recorded as being Moderate to High and the flow type is recorded as Fractured.

Groundwater Vulnerability

Table 3.2: Groundwater Vulnerability Definitions, below, presents Environment Agency groundwater vulnerability definitions:

Table 3.2: Groundwater Vulnerability Definitions

High Vulnerability	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 Vulnerability	Intermediate between high and low vulnerability.
Low Vulnerability	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.

The groundwater vulnerability in the vicinity of the site is classified as High, both Aquifers are described as productive.

Groundwater Abstraction Licences

There are no licensed ground water abstractions within 500m of site.

There are two entries within 1000m of the site, both relate to the same licence, located approximately 900m north of the site and both relate to the Cross Heights Truck Sales Ltd for general use.

Potable Water Abstraction Licences

There are no potable abstractions within 500m.

Source Protection Zones

The is no Source Protection Zone within 500m.

3.4 Hydrology

These records are derived by Groundsure from Environment Agency and British Geological Survey data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report. Information from these sources referenced in this report have been predominantly limited to that identified within 250m of the site (aquifers, surface water) or 1000m of the site (abstractions), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Ordnance Survey Water Network

There are eight records within 250m, the closest of which is the River Holms, approximately 21m north of the site. 48m, 122m and 123m to the west. The remaining entries are for

variously unidentified bodies of water, the Ludhill Dike and an additional entry for the River Holme.

Surface Water Features

Both the River Holms and the Ludhill Dike are recorded as surface water features.

Water Framework Directive Surface Water Bodies and Catchments

The site lies within the Colne and Holme catchment area.

Surface Water Abstraction Licences

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

There are three entries within 500m of the site, all relating to the same extraction location, approximately 432m southeast of the site for general use, two are referenced against B Allsop Ltd and the third to Brook Motors Ltd. However, all three have the same licence reference number.

3.5 Environmentally Sensitive Areas

These records are derived by Groundsure from Environment Agency, Natural England, Historic England, English Heritage, Forestry Commission and UK Government data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report.

Information from these sources referenced in this report have been predominantly limited to that identified within 500m of the site (environmental designations) or 250m of the site (habitat, visual and cultural designations), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Environmental and Habitat Designations

There is one entry within 500m of the site, for Cliffe Wood, a designated Ancient & Semi-Natural Woodland, located approximately 373m east of the site.

Furthermore, there is an area of Designated Green Belt approximately 95m to the south of the site.

Visual and Cultural Designations

There are three visual or cultural designations recorded within 250m of the site. All are all listed buildings.

4. Past Land Use and Potential Contaminant Sources

Information on past land use and potential contaminant sources is presented in a Groundsure Enviro + Geo Insight Report prepared for the site; a copy of this report is reproduced in **Appendix 3**.

4.1 Land Use Records

These records are derived by Groundsure from historical mapping and each record corresponds to a particular map revision date. Thus, several records may refer to the same feature where it is present over time. Groundsure has in some cases grouped such records in the Enviro + Geo Insight report. Differences in distances quoted from the study site may be due to expansion of the feature over time or geolocation errors.

Information from these sources referenced in this report have been predominantly limited to that identified within 250m of the site, in order to focus on the information directly relevant to the site. Information from outside this radius will be referenced when deemed relevant.

Historical Industrial Land Uses

There are two recorded historical industrial land uses on site. Both of these refer to unspecified heaps and are dated 1938 and 1951 respectively.

There are a further 82 entries within 250m of the site, as described in Table 4.1: Historical Land Use Records Within 250m of the Site, below.

Table 4.1: Historical Land Uses within 250m of the Site.

Location	Land Use	Dates Present
40m NW	Dye Works	1951
59m NW	Dye Works	1949
59m NW	Dye Works	1904
66m E	Dye Mills	1938
69m E	Unspecified Works	1969 - 1984
69m E	Dye Mills	1951
76m NE	Unspecified Mills	1904
76m NE	Dye Mills	1949
86m N	Unspecified Mills	1938
86m W	Unspecified Heap	1938
88m N	Unspecified Mills	1969 - 1984
88m N	Unspecified Mills	1951
90m NE	Unspecified Mill	1888
103m E	Unspecified Factory	1969 - 1984
117m N	Unspecified Mills	1888 - 1904
117m N	Unspecified Mills	1949
123m NE	Unspecified Tanks	1938

Location	Land Use	Dates Present
125m SE	Unspecified Pit	1949
126m SE	Unspecified Pit	1904
127m SE	Unspecified Heap	1951
127m SE	Unspecified Pit	1949
128m SE	Unspecified Heap	1938
131m NE	Unspecified Tanks	1938 - 1949
146m NW	Dye Works	1938
174m N	Unspecified Tanks	1938
194m N	Unspecified Tanks	1949 - 1951
194m N	Unspecified Tank	1938
194m SE	Unspecified Works	1969 - 1984
195m SE	Wax Candle Works	1938 - 1949
196m N	Unspecified Tank	1969
196m SE	Candle Works	1951
197m N	Unspecified Tanks	1938
207m SE	Refuse Heap	1969
238m SE	Unspecified Disused Mill	1938 - 1949
242m SE	Unspecified Mill	1888
245m N	Gas Station	1984
245m N	Unspecified Works	1969
251m NW	Unspecified Commercial/Industrial	1951
252m NW	Gas Works	1904
269m SE	Unspecified Ground Workings	1951
277m NW	Unspecified Commercial/Industrial	1938 - 1949
284m NW	Gasometer	1904
284m NW	Unspecified Tank	1949 - 1951
285m NW	Unspecified Tank	1938
287m E	Sewage Works	1984
296m NW	Unspecified Tank	1938
296m NW	Unspecified Tank	1949
296m NW	Gasometer	1904
296m NW	Unspecified Tank	1951
319m NW	Unspecified Works	1969
338m N	Unspecified Mill	1888
338m N	Dye Mills	1938 - 1949

Location	Land Use	Dates Present
338m N	Unspecified Mills	1904
342m NE	Dye Mills	1951
350m SE	Unspecified Tank	1938
352m SE	Unspecified Works	1984
352m SE	Bank Works	1969
356m NE	Unspecified Works	1984
356m NE	Unspecified Mills	1969
357m E	Unspecified Tanks	1984
361m N	Telephone Exchange	1969 - 1984
370m SE	Unspecified Commercial/Industrial	1949
370m SE	Unspecified Disused Mills	1904
388m W	Smithy	1904
394m SE	Unspecified Ground Workings	1949
406m SE	Mill Pond	1888
414m SE	Unspecified Works	1969 - 1984
415m NE	Mill Pond	1949
415m NE	Mill Pond	1904
416m NE	Mill Pond	1938
423m NE	Mill Pond	1951
436m E	Unspecified Tank	1984
447m W	Police Station	1969
447m W	Police Station	1951
449m W	Police Station	1938
451m W	Police Station	1904
451m W	Police Station	1949
471m N	Unspecified Mill	1969 - 1984
473m NW	Unspecified Mill	1938
475m NW	Unspecified Mill	1951
475m NW	Corn Mill	1904
475m NW	Unspecified Mill	1949

There are likely to duplicates of the same entry within these records.

Historical Tanks

There are no tanks recorded on the site.

There are however 26 entries within 500m of the site, as described in Table 4.2: Historical Tanks Within 500m of the Site, overleaf.

Table 4.2: Historical Tanks Within 500m of the Site.

Location	Land Use	Dates Present
86m NE	Unspecified Tank	1965 - 1987
109m N	Tanks	1993 - 1994
114m N	Tanks	1992
126m NE	Tanks	1913
138m N	Unspecified Tank	1992
142m N	Unspecified Tank	1993 - 1994
145m NE	Unspecified Tank	1965 - 1987
175m N	Tanks	1913
177m NW	Gasholder Station	1987
188m N	Gasholder Station	1965
196m N	Gas Holder	1965
234m NW	Gas Works	1892 - 1906
286m NW	Gasometer	1892 - 1906
287m NW	Gasometer	1892 - 1906
361m E	Tanks	1994
362m E	Tanks	1993
383m N	Unspecified Tank	1980 - 1996
385m N	Unspecified Tank	1989
412m NW	Unspecified Tank	1993 - 1997
420m NW	Unspecified Tank	1984
421m NW	Unspecified Tank	1990 - 1992
424m NE	Gasometer	1892
436m E	Unspecified Tank	1965 - 1994
477m W	Unspecified Tank	1913
479m W	Unspecified Tank	1892
497m NW	Tanks	1994 - 1996

There are likely to duplicates of the same entry within these records.

Historical Energy Features

There are no historical energy features recorded on the site.

There are however 20 records of historical energy features within 500m of the site as described in Table 4.3: Historical Energy Features Within 500m of the Site, overleaf.

Table 4.3: Historical Energy Features Within 500m of the Site

Location	Land Use	Dates Present
143m NE	Electricity Substation	1992 - 1994
153m NW	Electricity Substation	1992 - 1994
177m NW	Gasholder Station	1987
188m N	Gasholder Station	1965
196m N	Gas Holder	1965
234m NW	Gas Works	1892 - 1906
270m SW	Electricity Substation	1992
286m NW	Gasometer	1892 - 1906
287m NW	Gasometer	1892 - 1906
370m N	Electricity Substation	1980 - 1996
381m NW	Electricity Substation	1993
382m NW	Electricity Substation	1959 - 1992
382m NW	Electricity Substation	1995 - 1997
382m NW	Electricity Substation	1984
389m W	Electricity Substation	1984
390m W	Electricity Substation	1993
390m N	Electricity Substation	1996
391m W	Electricity Substation	1959 - 1992
400m W	Electricity Substation	1995 - 1997
424m NE	Gasometer	1892

It should be noted that there are two electric substations within 250m of the site which may be a source of Polychlorinated Biphenyls contamination (PCB's). Further details are given below.

- Substation located approximately 143 m to the northeast, first observed on the 1992-4 map.
- Substation located approximately 153 m to the northwest, first observed on the 1992-4 map.

However, neither of these predate the 1981 ban on PCB's. As such there is not considered to be a risk form PCBs at this site.

Historical Petrol Stations

There are no records of historical petrol stations within 500m.

Historical Garages

There are 16 records of historical garages within 500m, as described in Table 4.4: Historical Garages Within 500m of the Site, overleaf.

Table 4.4: Historical Garages Within 500m of the Site

Location	Land Use	Dates Present
79m NW	Garage	1994
112m NW	Garage	1994
126m NW	Garage	1965 - 1993
127m NW	Garage	1987 - 1992
306m NW	Garage	1965
308m N	Garage	1989 - 1994
308m N	Garage	1980 - 1996
409m E	Garage	1987 - 1992
409m E	Garage	1965
410m E	Garage	1994
414m N	Garage	1994 - 1996
414m E	Garage	1993 - 1994
416m N	Garage	1979
418m N	Garage	1989
441m N	Garage	1961
467m N	Garage	1980

Historical Military Land

There are no records of historical military land within 500m.

Current or Recent Industrial Land Uses

There are 20 records of current or recent industrial land usage within 250m, as described in Table 4.5: Current or Recent Industrial Land Uses Within 250m of the Site, below.

Table 4.5: Current or Recent Industrial Land Uses Within 250m of the Site

Location	Company	Address	Activity	Category
103m NE	Honley Business Centre Units 1 to 16	West Yorkshire, HD9	Business Parks and Industrial Estates	Industrial Features
130m NE	Winding Technology	Unit 10 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	General Purpose Machinery	Industrial Products
137m NE	Fuel Doctor	Unit 16 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Civil Engineers	Engineering Services

Location	Company	Address	Activity	Category
137m NE	Home Valley Testing Station	Unit 16 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
137m NE	Holme Valley M O T	Unit 16 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
138m NE	Foulds Motors	Unit 15 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
138m NE	Reins Mill Garage	Unit 4 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
138m NE	Mollsprings Motor Cycles	Unit 19 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
142m N	Ballyhoo Balloons	Unit 14 Crossley Mills, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6PL	Giftware	Consumer Products
142m N	Summer Wine Brewery Ltd	Unit 15 Crossley Mills, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6PL	Alcoholic Drinks	Foodstuffs
145m NE	Electricity Sub Station	West Yorkshire, HD9	Electrical Features	Infrastructure and Facilities
146m N	Michael Rath Brass Musical Instruments Ltd	Unit 9 Crossley Mills, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6PL	Musical Instruments	Consumer Products
154m N	Rapid Hire Centres	Unit 1 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Construction and Tool Hire	Hire Services
161m SW	S T Thornton & Sons	11, Field End, Honley, Holmfirth, West Yorkshire, HD9 6NE	Dairy Farming	Farming
182m N	Business Park	West Yorkshire, HD9	Business Parks and Industrial Estates	Industrial Features
195m E	Factory	West Yorkshire, HD9	Unspecified Works or Factories	Industrial Features

Current or Recent Petrol Stations

There are three current or recent petrol stations within 500m of the site, the nearest being an obsolete entry, located approximately 230m north of the site.

The nearest active petrol station is located approximately 441m east of the site.

Electricity Cables

There are no records of high voltage (HV) underground electricity cables within 500m.

Gas and / or Oil Pipelines

There are no records of medium- or high-pressure underground gas or oil supply pipelines within 500m of the site.

Railway Infrastructure

There are no records of railway infrastructure within 250m.

4.2 Environmental Permits, Incidents and Registers

These records are derived by Groundsure from local authority, Health and Safety Executive and Environment Agency data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report. Information from these sources referenced in this report have been predominantly limited to that identified within 250m of the site, in order to focus on the information directly relevant to the site. Information from outside this radius will be referenced when deemed relevant.

Sites Determined as Contaminated Land

There are no records of sites determined as contaminated land under Part 2A of the Environmental Protection Act 1990 within 250m.

Control of Major Accident Hazards (COMAH)

There are no records within 250m of the site.

Regulated Explosive Sites

There are no records within 250m of the site.

Planning Hazardous Substances Consents

There are no records within 250m of the site.

Records of Historic IPC Licensed Activities

There are no records within 250m of the site.

Records of Part A (1) Licensed Activities

There are six records within 500m of the site, all of which refer to Yorkshire Water Services Ltd at their Neiley Sludge Treatment located approximately 405m east of the site. Four are reported as being superseded and two as effective.

Records of Part A (2)/B Licensed Activities and Pollutant Release

There are six records within 500m of the site, the nearest of which is approximately 128m northeast of the site.

None of the entries have any enforcements recorded against them.

Records of Radioactive Substance Authorisations

There are no records within 500m of the site.

Licensed Discharges to Controlled Waters

There are 45 records within 500m of the site, however, the nearest is located approximately 234m southeast of the site.

Pollutant release to Surface Waters (Red List)

There are no records within 250m of the site.

Pollutant Release to Public Sewer

There are no records within 500m of the site.

List 1 and List 2 Dangerous Substances

There are no records within 250m of the site.

Substantiated Pollution Incidents

There are no records within 250m of the site.

Pollution Inventory Substances

There are three records within 250m of the site. The nearest is located approximately 75m north of the site. In this case, the pollutant was sewage material described as process effluent with a water impact of Category 3 (minor) and both air and land impacts as Category 4 (no impact) and was data 2003.

The other two entries recorded within 250m were also dated 2003 and located approximately 112m north of the site and 155m southeast of the site. Both had unidentified pollutants, and both were classed as Category 2 (significant) for water impact but Category 4 (no impact) for both land and air.

Pollution Inventory Waste transfers

There are no records within 500m of the site.

Pollution Inventory Radioactive Waste

There are no records within 500m of the site.

4.3 Waste and Landfill

These records are derived by Groundsure from Environment Agency, British Geological Survey, Ordnance Survey (interpreted by Groundsure) and local authority data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report.

Information from these sources referenced in this report have been predominantly limited to that identified within 500m of the site (landfills) or 250m of the site (non-landfill waste operations), in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Active or Recent Landfill

There are no records within 500m of the site.

Historic Landfill

There are three records within 500m of the site. The nearest one being located approximately 6m northeast of the site and described as a Refuse Tip, dated 1993.

Both of the remaining entries are also recorded on the 1993 map and are for refuse tips as well. These entries are located 15m northeast and 244m southeast of the site respectively.

Non-Landfill Waste Records

There are no historical non-landfill waste records within 500m of the site.

Waste exemptions are made available for certain specified activities considered to pose a low risk to the environment and allowable waste types and quantities are limited. There are 23 waste exemption records within 250m of site, the nearest being located approximately 115m southwest of the site; there are five entries for this location, all for agricultural waste. There are eight entries for the next nearest location, being approximately 138m northeast of the site.

Information provided by Groundsure indicates that there are three areas within 250m of the site where the potential for infilling is possible. These are all recorded as refuse tips and may have been infilled within unknown materials.

There are two areas identified on the historical maps within 250m of the site where the potential for infilling is possible and which are no longer shown on more recent maps indicating that they may have been infilled within unknown materials.

The BGS online mapping tool does not identify any artificial ground within 250m of the site.

Made Ground may be present on the site with unknown thickness and composition.

4.4 Mining, Ground Workings and Natural Cavities

These records are derived by from British Geological Survey, Ordnance Survey (interpreted by Groundsure), Coal Authority, Peter Brett Associates, Johnson Poole and Bloomer, Cheshire Brine Subsidence Compensation Board, British Gypsum, Mining Searches UK, Kaolin and Ball Clay Association and local authority data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report.

Information from these sources referenced in this report have been predominantly limited to that identified within 250m of the site, in order to focus on the information directly relevant to the site. Information from outside these radii will be referenced when deemed relevant.

Natural Cavities

There are no records within 250m of the site.

Mining Cavities

There are no records within 250m of the site.

BritPits Data (Surface and Underground Mineral Workings)

There is one record within 250m of the site, located approximately 47m northwest of the site referring to a former sandstone quarry.

Historical Mineral Planning Areas

There are no records within 250m of the site.

Surface Ground Workings

There are 13 records within 250m of the site, three of which refer to activities on site.

Underground Workings

There are no records within 250m of the site.

Coal Mining

The site is reported as being within an area of coal mining, as such a Coal Mining Consultants Report has been commissioned and is summarized below.

A copy of the Coal Mining Consultants report is provided in **Appendix 4.**

Past Underground Mining

There are no records within 250m of the site.

Probable Unrecorded Shallow Workings

There are no records within 250m of the site.

Spine Roadways at Shallow Depth

There are no records within 250m of the site.

Mine Entries

There are no records within 250m of the site.

Outcrops

There are no records within 250m of the site.

Non-Coal Mining

There is one record within 250m for removal of a Vein Mineral (not specified) located on site.

4.5 Radon and Background Soil Chemistry

These records are derived by Groundsure from British Geological Survey and Public Health England data. Details of the source and coverage of specific records are provided in the Enviro + Geo Insight Report. Information from these sources referenced in this report have been predominantly limited to that identified on or within 50m of the site.

Radon

The study site is no located within a Radon Affected Area, as less than 1% of properties are above the Radon Action Level. No radon protection measures are required.

Background Soil Chemistry

Values estimated by BGS for background concentrations of six potentially harmful elements are provided as follows:

- Arsenic: 15-25 mg/kg.
- Lead: 100 mg/kg.
- Bioaccessible lead: 60 mg/kg.
- Cadmium: 1.8 mg/kg.
- Chromium: 60-90 mg/kg.
- Nickel: 15-30 mg/kg.

These values are not considered to be elevated with respect to guideline values for commercial end-uses.

5. Historical Mapping Study

5.1 Historical Mapping

The object of this search was to report on the evidence of site history and redevelopment of the site and its environs from available County Series and Ordnance Survey Maps at scales ranging from 1:1,250 to 1:10,560 dating from the mid to late 19th Century to the present day, and Getmapping PLC aerial photography dating from the late 1990s to the recent past, as provided by Groundsure.

Information in the historical mapping study has been predominantly limited to that identified on the site or within 100m of the site, in order to focus on the information directly relevant to the site. Information from outside this radius will be referenced when deemed relevant.

Each map or photographs only represents a "snap-shot" of the site and its environs at the date of the survey. Changes that had occurred at other times may not have been recorded on the maps and could represent an unidentified hazard to the site.

The information reported might not represent all pertinent information that could be obtained. The interpretation of the maps and/or other data commented on in this report is subjective.

The Historical Ordnance Survey Maps were obtained from Groundsure and are available for review within **Appendix 5**.

Table 5.1: Historical Mapping Review reports that the historical ordinance surveys maps indicated no discernible changes to the site area between the years 1854 and 1961. Likewise, much of the surrounding area has been subject to little change over time.

Table 5.1: Historical Mapping Review

Date	Scale	On-Site	Off-site
1854	1:10,560	The site appears to be open land	The River Holme is located approximately 25m to the east of the site running in a north/south direction. Beyond this is located the Mill Brook approximately 75m east of the site also running north/south, with a weir identified approximately 89m east of the site. Beyond the brook are several Mills along the road running from Honley (to the northwest) and Smithy Place (to the southeast). A sandstone quarry is identified approximately 50m to the northwest and a further one approximately 500m to the south of the site. A railway line is located approximately 550m to the east of the site, also running in a north/south direction.
1888	1:10,560	The are no significant variations from the previous map.	There are no significant variations from the previous map, however the railway is now identified as the Huddersfield & Penistone Line and the sandstone quarry to the northwest is no longer identified.

Date	Scale	On-Site	Off-site
1892	1:2,500	The are no significant variations from the previous map.	There is a Dye Works identified approximately 250m north of the site, adjacent to which is a Gas Works.
1904-05	1:10,560	The are no significant variations from the previous map.	The are no significant variations from the previous map other than the mill to the south of the site (Lower Banks Mill) is identified as disused.
1906	1:2,500	The are no significant variations from the previous map.	Other than an increase in residential properties surrounding the site, there are no significant variations from the previous map.
1913	1:2,500	A slope is identified across the central area of the site, entering from the north and curving westwards.	The gas works to the north are no longer identified and the gas holders are missing, whilst the general configuration of the buildings remain. A wax candle works is now shown approximately 200m to the southeast of the site. Tanks are annotated within the Neiley Mills (Works), alongside the main building, approximately 130m northeast of the site.
1929-33	1:10,560	The are no significant variations from the previous map.	The are no significant variations from the previous map other than the Neiley Mills is now identified as the Neiley Dye Works.
1938	1:10,560	The are no significant variations from the previous map.	The are no significant variations from the previous map.
1948-49	1:10.560	The are no significant variations from the previous map.	The are no significant variations from the previous map.
1955-56	1:10,560	The are no significant variations from the previous map.	The Tanks associated with the Neiley Dye Works are no longer shown. A sewage works is located approximately 600m to the east of the site.
1961-65	1:2,500	The site is now occupied by a row of small, terraced buildings which extend northwards beyond the site boundary, possibly domestic garages.	A refuse tip is identified approximately 30m north of the site, with a second refuse tip to the east, possibly occupying the eastern extremity of the site. A garage is located approximately 150m north of the site. The circular feature in the Bridge Dye Works, to the north of the site is now identified as a Gasholder Station.
1968-69	1:10,560	The are no significant variations from the previous map.	The are no significant variations from the previous map.
1974-79	1:2,500	The are no significant variations from the previous map.	There is a Timber Yard located approximately 100m south of the site.
1977-80	1:2,500	The are no significant variations from the previous map.	The are no significant variations from the previous map.
1984	1:10,000	The are no significant variations from the previous map.	The are no significant variations from the previous map.
1984-89	1:2,500	The are no significant variations from the previous map.	The are no significant variations from the previous map.

Date	Scale	On-Site	Off-site
1990-94	1:2,500	The are no significant variations from the previous map.	An electrical substation is located approximately 150m northeast of the site.
1992-94	1:2,500	The are no significant variations from the previous map.	The are no significant variations from the previous map.
1993	1:2,500	The are no significant variations from the previous map.	The are no significant variations from the previous map.
1993-94	1:2,500	The are no significant variations from the previous map.	The neighbouring refuse tips are no longer shown.
2001	1:10,000	The are no significant variations from the previous map.	The are no significant variations from the previous map.
2003	1:2,500	The are no significant variations from the previous map.	The are no significant variations from the previous map.
2010	1:10,000	The are no significant variations from the previous map.	The are no significant variations from the previous map.
2021	1:10,000	The row of small, terraced properties are no longer identified.	The are no significant variations from the previous map.

5.2 Aerial Photography

2000 Aerial Photo

The 2000 aerial photo appears to show the site as being predominately occupied by trees with a single structure towards the centre of the site, abutting the boundary. The immediate surrounding area is likewise heavily wooded, residential properties are visible to the west and south of the site with industrial properties, to the north and west, beyond the wooded area.

2012 Aerial Photo

The 2012aerial photo is generally unchanged from the previous photograph, other than the building on site is no longer present.

2018 Aerial Photo

The 2018 aerial photo shows much of the site has been cleared, the trees are only present along the western boundary, abutting Woodhead Road. There is a possible, undefined feature in the east of the site, extending eastwards from the site with a possible access pathway sweeping around this feature. The surrounding area remains predominately unchanged.

Recent Aerial Photograph (Goole Imagery):

Recent aerial photography shows the remaining trees have also been removed and unidentified material is situated along the sweeping access route, occupying approximately 25% of the site.

The aerial photographs are included in the Groundsure Enviro + Geo Insight Report and are available for review within **Appendix 3**.

6. Framework for Assessment of Contamination

Environmental risks are assessed within the risk management framework established in Part IIA of the Environmental Protection Act (EPA) 1990 introduced by Section 57 of the Environment Act 1995 which provides a statutory definition of contaminated land. To fall within this definition it is necessary that, as a result of the condition of the land, substances may be present on or under the land such that:

(a) Significant harm is being caused or there is a significant possibility of such harm being caused.

or

(b) *Pollution of controlled water is being, or is likely to be, caused.*

Risk from contamination is assessed by consideration of possible linkages between contaminant sources and potential receptors which could be harmed or polluted.

The key aspect of the framework is the development of a Conceptual Site Model (CSM) which illustrates the spatial interaction between the potential sources and receptors on site.

The information presented in this report was collated and evaluated to develop an initial CSM to assess ground contamination issues at the site.

For a risk of pollution or environmental harm to occur as a result of ground contamination, ***all*** of the following elements must be present:

- A source, i.e., a substance that is capable of causing pollution or harm.
- A receptor, i.e., something which could be adversely affected by the contaminant.
- A pathway, i.e., a route by which the contaminant can reach the receptor.

If one of these elements is absent there can be no significant risk. If all are present then the magnitude of the risk is a function of the magnitude and mobility of the source, the sensitivity of the receptor and the nature of the migration pathway.

Potential sources, pathways and receptors are identified in the sections below and the risks associated with possible pollutant linkages outlined.

6.1 Sources

<u>On Site Sources</u>

The following possible on-site sources have been identified from the historical study:

- Historical made ground from past demolition activities.
- Uncontrolled infilling from historical landfilling.

The following possible on-site sources have been identified from the Enviro + Geo Insight data:

- Uncontrolled infilling from historical landfilling.

<u>Off Site Sources</u>

The following off site sources have been identified from the historical Enviro + Geo Insight data:

- Historical landfilling.

- Dye Works
- Gas Works
- Candle Works

There are further entries present, but these are considered far enough from the site to pose no risk.

The following contaminants are potentially associated with the on-site sources:

- Heavy Metals and Metalloids
- Inorganics
- PAH
- Asbestos
- Hazardous Ground Gases.

The following contaminants are potentially associated with the off-site sources.

- Heavy Metals and Metalloids
- Inorganics, including Cyanide
- PAH
- Hazardous Ground Gases.

6.2 Pathways

For contaminants to reach potential receptors, there must be a viable **pathway** for the contaminant. Potential pathways that may affect the migration of contaminants are listed in Table 6.1: Pathways, below.

Table 6.1: Pathways

Pathway	Medium	Properties
Direct Contact	Dust, solid and liquid phase	There may be direct contact with potentially impacted soil and Made Ground across the site. There is a possibility of dust fumes being produced during earthworks in the construction phase. Dermal contact and ingestion of potentially contaminated soils during construction or operational phase of the site.
Leaching through Made Ground	Unsaturated flow	Potential for leaching and migration of potential contaminants along preferential flow paths in the ground.
Foundations and Underground Infrastructure and Obstructions	Preferential flow	Contaminants will flow the path of least resistance which can be gaps around foundations, services, and floor construction
Migration of Ground Gas and Radon	Gaseous flow	Infilled land material is likely to be variable in composition. Migration through granular material within superficial deposits is possible.

6.3 Receptors

The site-specific **receptors** that could be potentially affected by the contamination hazards identified during this preliminary appraisal are summarised in Table 6.2: Receptors, below:

Table 6.2: Receptors

Category	Receptor	Properties
Humans	End users (such as residents and visitors)	Potential contact with contaminated soils is likely given the residential end use planned. Potential contact with ground gas within enclosed buildings
	Construction workers	Reworking of contaminant impacted materials in underlying soil during construction works can expose workers to contamination.
Property	Materials and site structures	Foundations and site services may be damaged by potentially aggressive compounds present in soils.
Controlled Waters	Underlying superficial / bedrock Aquifer and surface water	The site is recorded as having a Secondary (A) Aquifer within both the superficial deposits and the bedrock underlying the site. River Holme is in close proximity with the site.
Plant (species and uptake) and Wildlife	Various	Attributes will be influenced by factors such as relative quality, scale, rarity and substitutability; however, it is understood that the site is proposed to be hard surfaced.

7. Qualitative Risk Assessment

Potential pollutant linkages are identified using the source-pathway-receptor framework detailed above. An assessment of the potential significance of each linkage is then made by consideration of the likely magnitude and mobility of the source, the sensitivity of the receptor and nature of the migration/exposure pathways.

This qualitative risk assessment has been undertaken in accordance with Annex 4 of the National House Building Council/Environment Agency/Chartered Institute of Environmental Health R&D publication 66, Guidance for the Safe Development of Housing on Land Affected by Contamination (NHBC/EA/CIEH, 2008) which updates and supersedes CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001).

A summary of the risk assessment protocols, and subsequent risk assessment matrix is provided in **Appendix 6**.

An assessment of the likelihood of the risk being realised and the magnitude of potential risk is presented below to give an estimation of the significance of each potential pollutant linkage identified. Where it is considered that there is no credible linkage, this is indicated in the table. In accordance with the R&D66 guidance, if there is no pollution linkage then there is no need to apply tests for probability and consequence.

The assessment is undertaken based on the current proposals for the site, at the time of issuing this report, which would be classed as a generic end land use of ‘Commercial’. Any change in the development proposals for the site involving a change in end use class may result in a requirement for this assessment to be revised.

8. Preliminary Conceptual Site Model

Contaminant Source	Pathways	Receptor	Pollutant Linkage	Classification of Probability	Classification of Consequence	Level of Risk	Justification
On Site: Made Ground soils on site possibly containing elevated metals, other organics such as TPH, PAH, phenols, VOC and SVOCs.	Ingestion, dermal contact, inhalation of dusts/vapours	Future end users and site visitors	Considered potentially active	Likely	Mild	Moderate/ Low 🟡	A moderate to low risk rating has been assessed due to the historical use of the site as a refuse tip. Contact is elevated between future occupiers/visitors and contaminants due to the Residential end use.
		Construction Workers	Considered potentially active	Likely	Mild	Moderate/ Low 🟡	Construction workers are likely to come into direct contact with soils during groundworks. Safe working practices should be implemented, and appropriate personal protective equipment (PPE) should be used to mitigate any potential risk from contact with soils and shallow/perched groundwater.
	Leaching through soils and migration via groundwater or soil pore moisture	Controlled Waters	Considered potentially active	Low Likelihood	Mild	Low 🟢	A low risk rated has been allocated to the site due to the relatively low permeability of the superficial deposits underlying the site.
	Permeation of water pipes	Construction materials, future end users and site visitors	Considered potentially active	Low Likelihood	Mild	Low 🟢	Hydrocarbons, especially aromatics are known to permeate plastic pipes. Provision of water supply pipes and connectors formed from proprietary “barrier pipe” materials (e.g., polyethylene-aluminium-polyethylene) may be required by the water supply company.
	Uptake	Plant and Wildlife	Considered potentially active	Low Likelihood	Mild	Low 🟢	A low risk rating has been assessed due to the residential end use resulting in managed plant use.
On Site: Asbestos at/near ground surface in Made Ground soils.	Inhalation of fibres in airborne dust	Future end users and site visitors	Considered potentially active	Low Likelihood	Mild	Low 🟢	A moderate to low risk rating has been assessed due to the historical use of the site as a refuse tip. Contact is elevated between future occupiers/visitors and contaminants due to the Residential end use.

Contaminant Source	Pathways	Receptor	Pollutant Linkage	Classification of Probability	Classification of Consequence	Level of Risk	Justification
		Construction Workers	Considered potentially active	Low Likelihood	Mild	Low ●	Construction workers are likely to come into direct contact with soils during groundworks. Safe working practices should be implemented, and appropriate personal protective equipment (PPE) should be used to mitigate any potential risk from contact with soils.
On Site: Ground Gases (CH_4, CO_2, CO, H_2S) from on-site Made Ground.	Gas migration and build up within buildings (explosion/ asphyxiation risk)	Future end users and building structures.	Considered potentially active	Likely	Medium	Moderate ●	A moderate risk rating has been assessed due to the historical use of the site as a refuse tip.
Off Site: Historical land uses and activities, Made Ground/infilled material possibly containing elevated metals, other inorganics, TPH, PAH, and phenols.	Leaching through soils and migration via groundwater or soil pore moisture	Future end users and site visitors	Considered potentially active	Low Likelihood	Mild	Low ●	A low risk rated has been allocated to the site due to the relatively low permeability of the superficial deposits underlying the site.
	Ingestion, dermal contact, inhalation of dusts/vapours	Future end users and site visitors	Considered potentially active	Low Likelihood	Mild	Low ●	A low risk rated has been allocated to the site due to the relatively low permeability of the superficial deposits underlying the site.
Off Site: Ground Gases (CH_4, CO_2, CO, H_2S) from off-site historical landfilling activities.	Gas migration and build up within buildings (explosion/ asphyxiation risk)	Future end users and building structures.	Considered potentially active	Likely	Medium	Moderate ●	A moderate risk rating has been assessed due to the historical landfilling / infilling in the immediate vicinity of the site.

9. Recommendations

9.1 Proposed Site Investigation

Based on the information obtained for the formation of this report it is recommended that a suitable combined phase II environmental and geotechnical site investigation is carried out at the site to establish the presence of any contamination at the site, and to identify the ground conditions and provide details of their engineering properties in order to facilitate foundation design for the proposed development.

The intrusive investigation may reveal on-site sources of contamination that were not established by the Phase I Desk Study, thus requiring modification of the conceptual site model.

The proposed scope of investigation is outlined below.

Scope of Proposed Investigation

Testing Regime

The testing regime has been devised in accordance with BS10175:2017 Guidelines for the Code of Practice for Contaminated Land and CLR Report No. 4 Sampling Strategies. The objective at this stage of the report is to attempt to identify the extent of any possible contamination that may exist at the site by using intrusive soil sampling and testing techniques.

Sampling Strategy

A service search should be completed prior to any subsequent investigation to determine the service locations by lifting any manhole/drain covers; therefore, locations may be subject to change depending upon these results.

The SI should incorporate initially the drilling of window sampler boreholes in order to gain a suitable spread of the site and enable adequate analysis of the soil conditions. This will be completed to a maximum depth of 4-5 metres below ground level (mbgl), or refusal, or where groundwater is encountered. In addition, a series of trial pits should be excavated across the site.

Installation of at least three monitoring standpipes.

All positions should be logged, and samples removed in accordance with current protocol. In addition, groundwater conditions, if encountered, shall be logged and visual/olfactory observations noted.

It is considered that six return gas and groundwater monitoring visits over a period of three months, in accordance with CIRIA C665 would be required to determine and monitor concentrations of ground gases and levels of groundwater on site.

We would recommend that the test locations be based on the findings contained with this report, to enable a combination of targeted testing along with a broad coverage of the site.

Laboratory Analysis

An appropriate and consistent analytical suite of contaminants should be applied to any soil samples retrieved from the site.

Based on the findings contained within this report, we would recommend that a comprehensive range of testing should be undertaken to comprise of heavy metals, metalloids, inorganics, speciated Polycyclic Aromatic Hydrocarbons (PAH) including the more carcinogenic

benzo(a)pyrene (BaP) and naphthalene, soil organic matter (SOM) content, pH and sulphates and Asbestos.

In addition, selected samples retrieved from the Made Ground, if encountered, will also be submitted for a screen to determine the presence, or otherwise, of Asbestos.

It should be noted that not all samples retrieved from the proposed investigative works will be laboratory analysed and a UKAS and MCERTS accredited laboratory testing organisation should carry out all analysis.

Guidance

The results from the proposed SI shall be compared against standards, such as the revised LQM/CIEH S4UL criteria[1] where available.

Groundwater analysis, if encountered, would be compared against the Drinking Water Standards (DWS) or Environmental Quality Standards (EQS) for the United Kingdom (UK).

9.2 Consultees

It is highly recommended that this report be forwarded to the relevant Local Authority Environmental Health and Planning Departments to seek their comments and subsequent approval, otherwise further works may be required.

9.4 Flood Risk Assessment

This report does not replace a full hydrogeological survey and specialist studies may need to be undertaken to ascertain the risks posed from flooding. Further details on site flood information can be found within the appendices.

9.5 Coal Mining Risk Assessment

Although a Coal Mining Report from the Coal Authority has been included with this report and has been commented on, this report does not constitute a full Coal Mining Risk Assessment (CMRA). If the impacts of historical coal mining are considered relevant a separate CMRA should be commissioned.

9.6 Invasive Plant Survey

The site reconnaissance visit undertaken herein, whilst reference to the possible presence of invasive plants such as Japanese Knotweed has not been made, this report should not be considered an Invasive Plant Survey and any concerns relating to the possible presence of such plants should be undertaken by an appropriately qualified surveyor.

[1] Nathanail et al. (2015) The LQM/CIEH S4ULs for Human Health Risk Assessment. Land Quality Press, 2015. Copyright Land Quality Management Limited reproduced with permission; Publication Number S4UL3495

9.7 Asbestos Survey

The site reconnaissance visit undertaken herein, whilst reference to the possible presence of Asbestos or Asbestos Containing Material (ACM) has not been made, this report should not be considered an Asbestos Survey and any concerns relating to the possible presence of ACM should be undertaken by an appropriately qualified surveyor.

10. Limitations and Uncertainties

This report has been prepared by GES with all reasonable skill, care and diligence. The work undertaken to provide the basis of this report comprised a study of available documented information from a variety of sources, together with a site walkover inspection of the site.

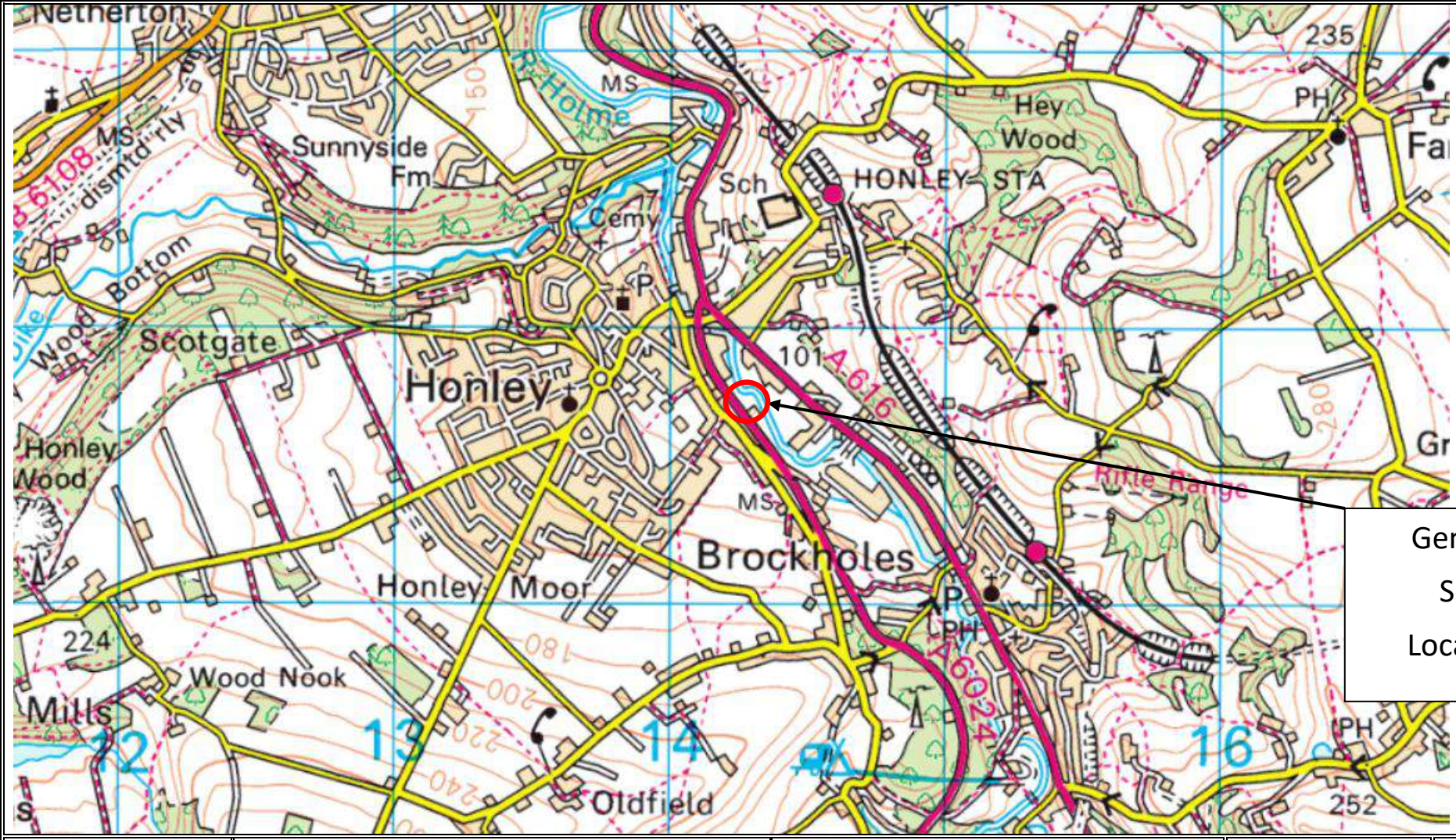
The opinions given in this report have been dictated by the finite data on which are they based and are relevant only to the purpose for which the report was commissioned.

Information reviewed should not be considered exhaustive and accepted in good faith as providing true and representative data with respect to site conditions. Should additional information become available which may influence the opinion expressed in this report, GES reserves the right to review such information and, if warranted, to alter the opinions accordingly.

It should be noted that any risks identified in this report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site. This report is an environmental Phase I report and does not consider the geotechnical implications for the site, its redevelopment and proposed future use. Further advice should be sought on geotechnical investigation requirements for the proposed development.

APPENDIX 1

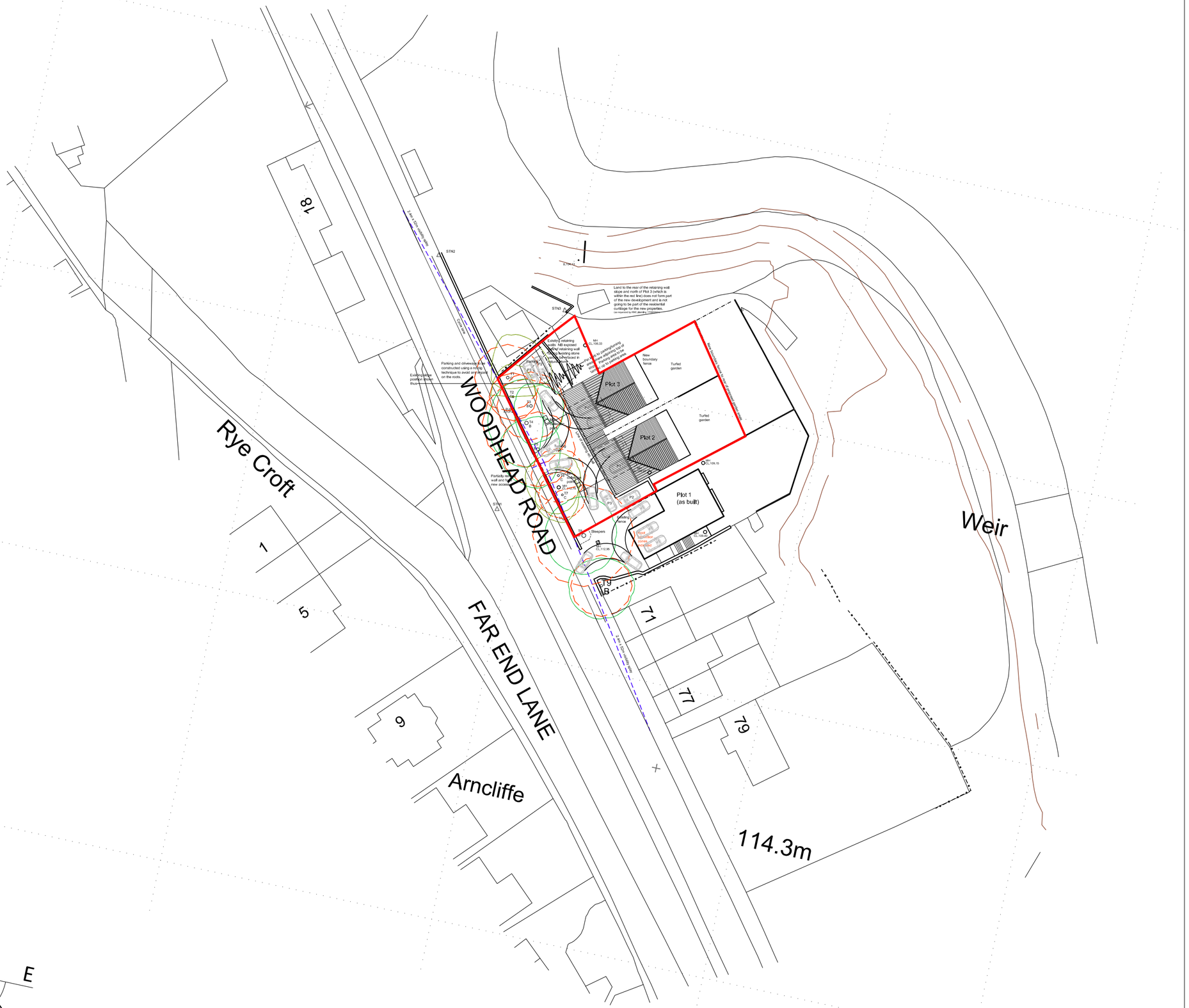
DRAWINGS



GeoEnviro Solutions Ltd
Unit 7 Springvale Works
Brighouse
West Yorkshire
HD6 2RA
Tel: 01484 986010
Email: info@geoenvirosolutions.com
Web: www.geoenvirosoltions.com

N

PROJECT NAME: Woodhead Road, Honley. **PROJECT NUMBER:** 1623-21	**DRAWING NO.** 1623-21/01	**SCALE** N.T.S
TITLE Site Location Plan	**DATE** September 2021	**DRAWN BY** ADD



1:500

5m 10m 20m 30m 40m 50m

PAUL MATTHEWS ARCHITECTURAL Ltd

ARCHITECTURE | PLANNING | DESIGN

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Brow Lane
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Company Registration Number: 09898149 – Company Registered in England and Wales

Project
Erection of Two Detached Dwellings adj to 71, Woodhead Road, Honley, Holmfirth, HD9 6PP .

Client
Mr P Mitchell

Drawing Title/Issue
Proposed Site Plan

scale	date	sheet size	dwg. no.
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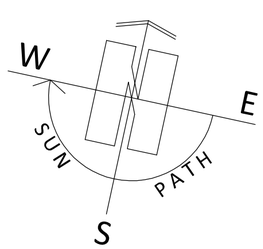


APPENDIX 2

SITE PHOTOGRAPHS

Site: Woodhead Road, Honley
Client: Paul Matthews Architectural
Job Reference: 1623-21 Dated: September 2021

GEOENVIRO
SOLUTIONS LIMITED

A.

B.

C.

D.

A. **Photo 1 – View of the site from Woodhead Road, showing the safety fence at the top of the retaining wall.**

B. **Photo 2 – View from the top of the retaining wall, looking towards the entrance to the lower level, showing partially installed services along the top of the retaining wall and material stockpiles in the lower area.**

C. **Photo 3 – View of the site from the entrance way, showing the fall of the land from Woodhead road into the lower section of the site.**

D. **Photo 4 – View of the retaining wall, showing the services protruding from the wall and the temporary fence splitting the lower level of the site in half.**

Site: Woodhead Road, Honley
Client: Paul Matthews Architectural
Job Reference: 1623-21 Dated: September 2021

A.

B.

C.

D.

GEOENVIRO
SOLUTIONS LIMITED

A. **Photo 5 – View of the River Holme adjacent to the northern boundary of the site.**

B. **Photo 6 – View of an access slope created using building rubble.**

C. **Photo 7 – View of the southern area of the lower section of the site showing the fencing and the overgrown nature of the area.**

D. **Photo 8 – View of the northern area of the lower section, showing stockpiles of rubble and pallets of building stone.**

Site: Woodhead Road, Honley
Client: Paul Matthews Architectural
Job Reference: 1623-21 Dated: September 2021

GEOENVIRO
SOLUTIONS LIMITED

A.

B.

C.

D.

A. **Photo 9 – Additional view of stockpiled pallets of building stone with the retaining wall and Woodhead Road in the distance.**

B. **Photo 10 – View of the path to the rear of the site, showing additional pallets of building stone and the gentle slope to the scrub land to the east.**

C. **Photo 11 – View of the scrub land to the east of the site, abutting the River Holme.**

D. **Photo 12 – View of an area of previously developed land to the north of the site.**

APPENDIX 3

GROUNDSURE ENVIRO + GEO INSIGHT REPORT

Groundsure LOCATION INTELLIGENCE

Enviro+Geo Insight

71, WOODHEAD ROAD, HONLEY, HOLMFIRTH, HD9 6PP

Order Details

Date: 10/09/2021

Your ref: 1623-21

Our Ref: GS-8178300

Client: GeoEnviro Solutions Ltd

Site Details

Location: 414265 411700

Area: 0.1 ha

Authority: Kirklees Council

Summary of findings p. 2

OS MasterMap site plan p.11

Aerial image p. 8

groundsure.com/insightuserguide

Contact us with any questions at:
info@groundsure.com
08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
12	1.1	Historical industrial land uses	2	1	36	45	-
16	1.2	Historical tanks	0	0	12	14	-
17	1.3	Historical energy features	0	0	6	14	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	4	12	-
19	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
20	2.1	Historical industrial land uses	3	1	47	52	-
24	2.2	Historical tanks	0	0	22	31	-
26	2.3	Historical energy features	0	0	14	31	-
28	2.4	Historical petrol stations	0	0	0	0	-
29	2.5	Historical garages	0	0	7	20	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
31	3.1	Active or recent landfill	0	0	0	0	-
31	3.2	Historical landfill (BGS records)	0	0	0	0	-
32	3.3	Historical landfill (LA/mapping records)	0	2	1	0	-
32	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
32	3.5	Historical waste sites	0	0	0	0	-
32	3.6	Licensed waste sites	0	0	0	0	-
33	3.7	Waste exemptions	0	0	23	12	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
36	4.1	Recent industrial land uses	0	0	20	-	-
38	4.2	Current or recent petrol stations	0	0	1	2	-
38	4.3	Electricity cables	0	0	0	0	-
39	4.4	Gas pipelines	0	0	0	0	-
39	4.5	Sites determined as Contaminated Land	0	0	0	0	-

39	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
39	4.7	Regulated explosive sites	0	0	0	0	-
39	4.8	Hazardous substance storage/usage	0	0	0	0	-
40	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
40	**4.10**	**Licensed industrial activities (Part A(1))**	0	0	0	6	-
41	**4.11**	**Licensed pollutant release (Part A(2)/B)**	0	0	1	5	-
42	4.12	Radioactive Substance Authorisations	0	0	0	0	-
42	**4.13**	**Licensed Discharges to controlled waters**	0	0	1	44	-
49	**4.14**	**Pollutant release to surface waters (Red List)**	0	0	0	1	-
50	4.15	Pollutant release to public sewer	0	0	0	0	-
50	**4.16**	**List 1 Dangerous Substances**	0	0	0	1	-
50	**4.17**	**List 2 Dangerous Substances**	0	0	0	3	-
51	**4.18**	**Pollution Incidents (EA/NRW)**	0	0	3	5	-
52	4.19	Pollution inventory substances	0	0	0	0	-
52	4.20	Pollution inventory waste transfers	0	0	0	0	-
52	4.21	Pollution inventory radioactive waste	0	0	0	0	-

Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
53	**5.1**	**Superficial aquifer**	Identified (within 500m)				
54	**5.2**	**Bedrock aquifer**	Identified (within 500m)				
55	**5.3**	**Groundwater vulnerability**	Identified (within 50m)				
56	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
56	5.5	Groundwater vulnerability- local information	None (within 0m)				
57	**5.6**	**Groundwater abstractions**	0	0	0	0	7
59	**5.7**	**Surface water abstractions**	0	0	0	3	10
63	5.8	Potable abstractions	0	0	0	0	0
63	5.9	Source Protection Zones	0	0	0	0	-
63	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-

Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
64	**6.1**	**Water Network (OS MasterMap)**	0	1	7	-	-

65	6.2	Surface water features	0	1	1	-	-
65	6.3	WFD Surface water body catchments	1	-	-	-	-
66	6.4	WFD Surface water bodies	0	1	0	-	-
66	6.5	WFD Groundwater bodies	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
67	7.1	Risk of Flooding from Rivers and Sea (RoFRaS)	High (within 50m)				
68	7.2	Historical Flood Events	0	0	0	-	-
68	7.3	Flood Defences	0	0	0	-	-
68	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
68	7.5	Flood Storage Areas	0	0	0	-	-
69	7.6	Flood Zone 2	Identified (within 50m)				
70	7.7	Flood Zone 3	Identified (within 50m)				
Page	Section	Surface water flooding					
71	8.1	Surface water flooding	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
73	9.1	Groundwater flooding	Negligible (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
74	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	2
75	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
75	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
75	10.4	Special Protection Areas (SPA)	0	0	0	0	0
75	10.5	National Nature Reserves (NNR)	0	0	0	0	0
76	10.6	Local Nature Reserves (LNR)	0	0	0	0	1
76	10.7	Designated Ancient Woodland	0	0	0	1	22
77	10.8	Biosphere Reserves	0	0	0	0	0
77	10.9	Forest Parks	0	0	0	0	0
78	10.10	Marine Conservation Zones	0	0	0	0	0
78	10.11	Green Belt	0	0	1	0	0
78	10.12	Proposed Ramsar sites	0	0	0	0	0

78	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
79	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
79	10.15	Nitrate Sensitive Areas	0	0	0	0	0
79	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
80	**10.17**	**SSSI Impact Risk Zones**	1	-	-	-	-
81	**10.18**	**SSSI Units**	0	0	0	0	2
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
82	11.1	World Heritage Sites	0	0	0	-	-
83	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
83	11.3	National Parks	0	0	0	-	-
83	**11.4**	**Listed Buildings**	0	0	3	-	-
84	11.5	Conservation Areas	0	0	0	-	-
84	11.6	Scheduled Ancient Monuments	0	0	0	-	-
84	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
85	**12.1**	**Agricultural Land Classification**	Grade 3 (within 250m)				
86	12.2	Open Access Land	0	0	0	-	-
86	12.3	Tree Felling Licences	0	0	0	-	-
86	12.4	Environmental Stewardship Schemes	0	0	0	-	-
86	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
87	**13.1**	**Priority Habitat Inventory**	3	3	6	-	-
88	13.2	Habitat Networks	0	0	0	-	-
88	13.3	Open Mosaic Habitat	0	0	0	-	-
88	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
90	**14.1**	**10k Availability**	Identified (within 500m)				
91	**14.2**	**Artificial and made ground (10k)**	1	0	0	0	-
92	**14.3**	**Superficial geology (10k)**	1	0	0	1	-

93	14.4	Landslip (10k)	0	0	0	0	-
94	14.5	Bedrock geology (10k)	2	1	1	6	-
95	14.6	Bedrock faults and other linear features (10k)	1	1	0	5	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
96	15.1	50k Availability	Identified (within 500m)				
97	15.2	Artificial and made ground (50k)	0	0	0	0	-
97	15.3	Artificial ground permeability (50k)	0	0	-	-	-
98	15.4	Superficial geology (50k)	1	0	0	1	-
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	1	1	5	-
101	15.9	Bedrock permeability (50k)	Identified (within 50m)				
101	15.10	Bedrock faults and other linear features (50k)	1	1	0	5	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
103	16.1	BGS Boreholes	0	0	5	-	-
Page	Section	Natural ground subsidence					
105	17.1	Shrink swell clays	Very low (within 50m)				
106	17.2	Running sands	Low (within 50m)				
108	17.3	Compressible deposits	Moderate (within 50m)				
110	17.4	Collapsible deposits	Very low (within 50m)				
111	17.5	Landslides	Moderate (within 50m)				
113	17.6	Ground dissolution of soluble rocks	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
115	18.1	Natural cavities	0	0	0	0	-
116	18.2	BritPits	0	1	0	0	-
116	18.3	Surface ground workings	3	0	10	-	-
117	18.4	Underground workings	0	0	0	0	3
117	18.5	Historical Mineral Planning Areas	0	0	0	0	-

117	**18.6**	**Non-coal mining**	1	0	0	0	2
118	18.7	Mining cavities	0	0	0	0	0
118	18.8	JPB mining areas	None (within 0m)				
118	**18.9**	**Coal mining**	Identified (within 0m)				
119	18.10	Brine areas	None (within 0m)				
119	18.11	Gypsum areas	None (within 0m)				
119	18.12	Tin mining	None (within 0m)				
119	18.13	Clay mining	None (within 0m)				

Page	Section	Radon					
120	**19.1**	**Radon**	Less than 1% (within 0m)				

Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
121	**20.1**	**BGS Estimated Background Soil Chemistry**	2	0	-	-	-
121	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
121	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-

Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
122	21.1	Underground railways (London)	0	0	0	-	-
122	21.2	Underground railways (Non-London)	0	0	0	-	-
122	21.3	Railway tunnels	0	0	0	-	-
122	21.4	Historical railway and tunnel features	0	0	0	-	-
122	21.5	Royal Mail tunnels	0	0	0	-	-
123	21.6	Historical railways	0	0	0	-	-
123	21.7	Railways	0	0	0	-	-
123	21.8	Crossrail 1	0	0	0	0	-
123	21.9	Crossrail 2	0	0	0	0	-
123	21.10	HS2	0	0	0	0	-

Recent aerial photograph

Capture Date: 01/07/2018

Site Area: 0.1ha

Recent site history - 2012 aerial photograph

Capture Date: 26/03/2012

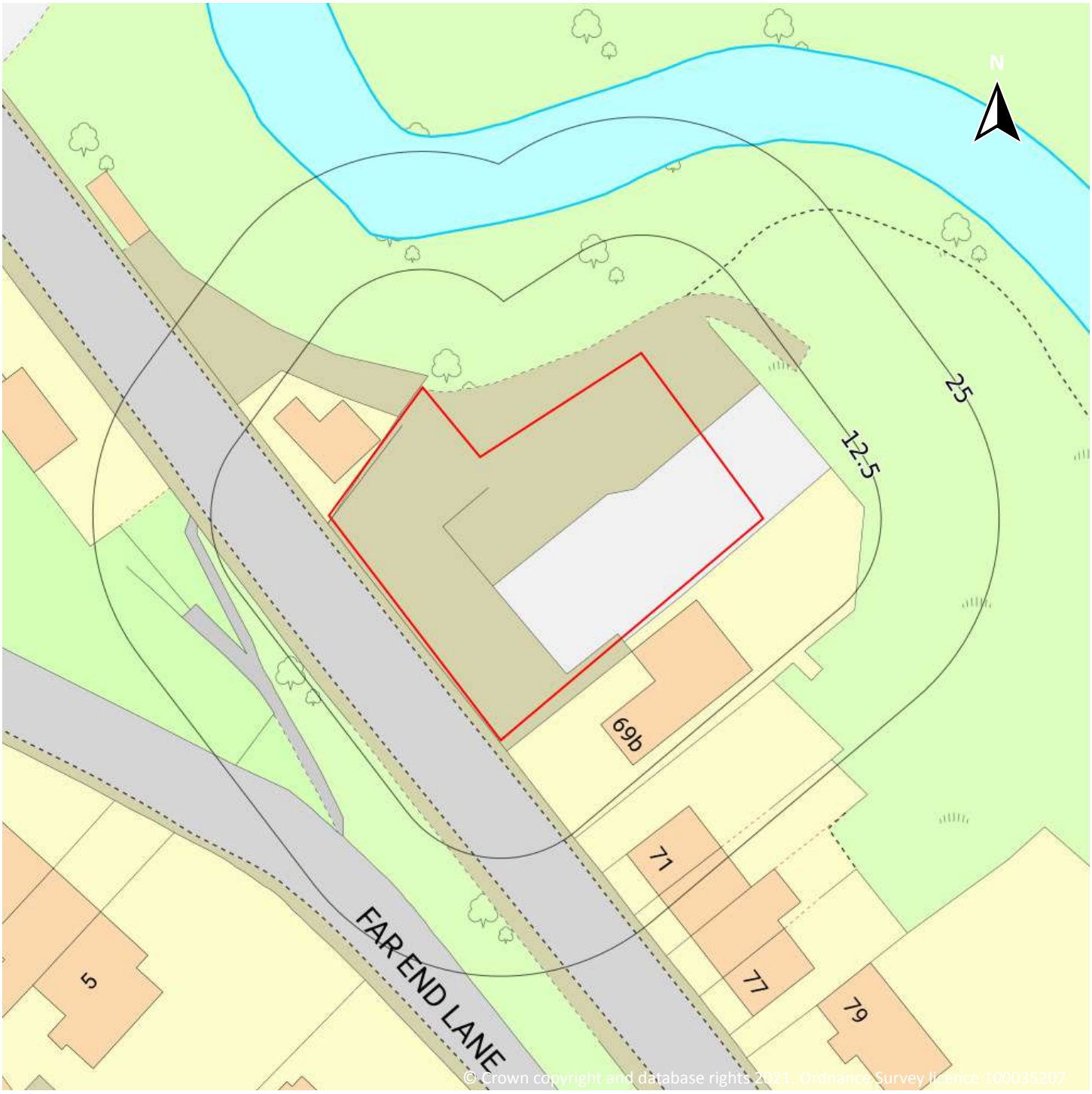
Site Area: 0.1ha

Recent site history - 2000 aerial photograph

Capture Date: 25/08/2000

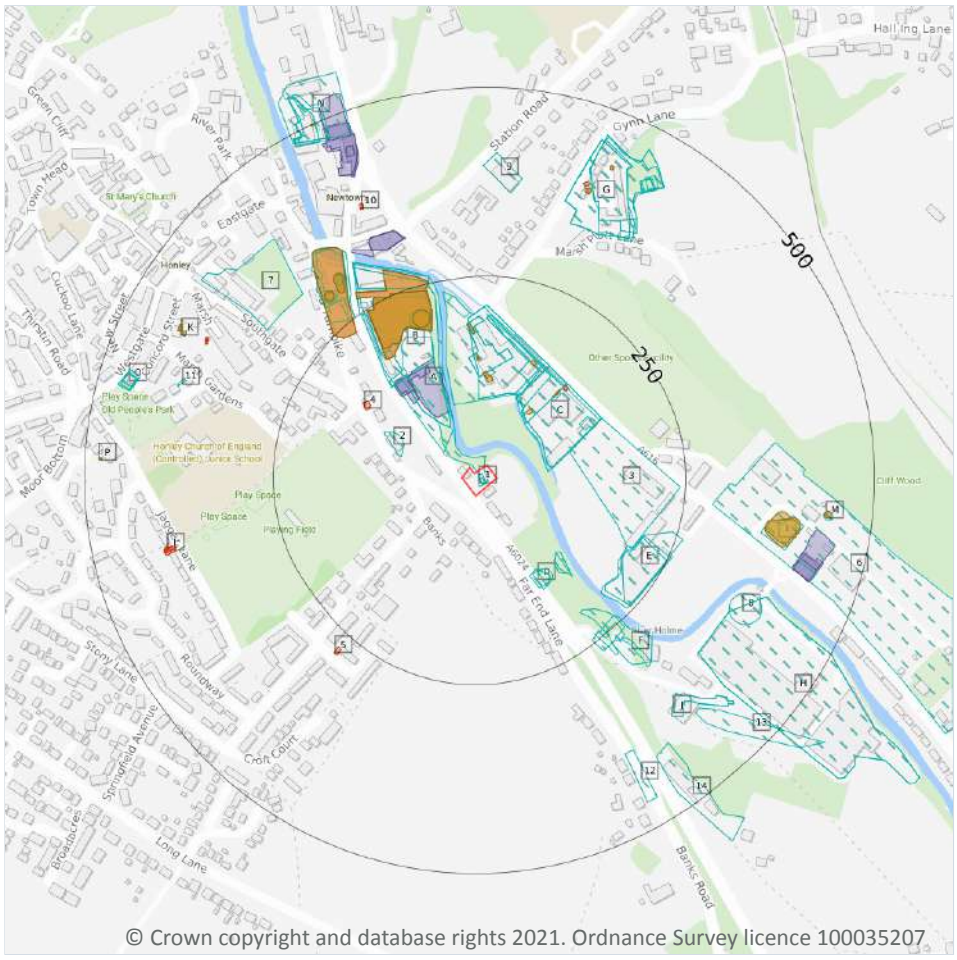
Site Area: 0.1ha

OS MasterMap site plan



Site Area: 0.1ha

1 Past land use



1.1 Historical industrial land uses

Records within 500m	84

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 12**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Heap**	**1938**	**1485708**

ID	Location	Land use	Dates present	Group ID
A	**On site**	**Unspecified Ground Workings**	**1951**	**1412142**
B	40m NW	Dye Works	1951	1511134
B	59m NW	Dye Works	1949	1534319
B	59m NW	Dye Works	1904	1553367
C	66m E	Dye Mills	1938	1483219
C	69m E	Unspecified Works	1969 - 1984	1541811
C	69m E	Dye Mills	1951	1549100
C	76m NE	Unspecified Mills	1904	1465389
C	76m NE	Dye Mills	1949	1484379
C	86m N	Unspecified Mills	1938	1495939
2	86m W	Unspecified Heap	1938	1537389
C	88m N	Unspecified Mills	1969 - 1984	1512775
C	88m N	Unspecified Mills	1951	1532838
C	90m NE	Unspecified Mill	1888	1421214
3	103m E	Unspecified Factory	1969 - 1984	1552645
C	117m N	Unspecified Mills	1888 - 1904	1472538
C	117m N	Unspecified Mills	1949	1526625
C	123m NE	Unspecified Tanks	1938	1425758
D	125m SE	Unspecified Pit	1949	1451768
D	126m SE	Unspecified Pit	1904	1557526
D	127m SE	Unspecified Heap	1951	1547018
D	127m SE	Unspecified Pit	1949	1529448
D	128m SE	Unspecified Heap	1938	1545343
C	131m NE	Unspecified Tanks	1938 - 1949	1511856
B	146m NW	Dye Works	1938	1509607
C	174m N	Unspecified Tanks	1938	1425769
B	194m N	Unspecified Tanks	1949 - 1951	1507607
B	194m N	Unspecified Tank	1938	1546284

ID	Location	Land use	Dates present	Group ID
E	194m SE	Unspecified Works	1969 - 1984	1531917
E	195m SE	Wax Candle Works	1938 - 1949	1496656
B	196m N	Unspecified Tank	1969	1553174
E	196m SE	Candle Works	1951	1455546
C	197m N	Unspecified Tanks	1938	1425768
F	207m SE	Refuse Heap	1969	1436552
F	238m SE	Unspecified Disused Mill	1938 - 1949	1518375
F	242m SE	Unspecified Mill	1888	1421216
B	245m N	Gas Station	1984	1436421
B	245m N	Unspecified Works	1969	1438184
B	251m NW	Unspecified Commercial/Industrial	1951	1473231
B	252m NW	Gas Works	1904	1414812
F	269m SE	Unspecified Ground Workings	1951	1412288
B	277m NW	Unspecified Commercial/Industrial	1938 - 1949	1491011
B	284m NW	Gasometer	1904	1420663
B	284m NW	Unspecified Tank	1949 - 1951	1492584
B	285m NW	Unspecified Tank	1938	1462214
6	287m E	Sewage Works	1984	1511342
B	296m NW	Unspecified Tank	1938	1505668
B	296m NW	Unspecified Tank	1949	1510843
B	296m NW	Gasometer	1904	1519916
B	296m NW	Unspecified Tank	1951	1538671
7	319m NW	Unspecified Works	1969	1438175
G	338m N	Unspecified Mill	1888	1421215
G	338m N	Dye Mills	1938 - 1949	1488526
G	338m N	Unspecified Mills	1904	1557475
G	342m NE	Dye Mills	1951	1473325
8	350m SE	Unspecified Tank	1938	1433344

ID	Location	Land use	Dates present	Group ID
H	352m SE	Unspecified Works	1984	1438185
H	352m SE	Bank Works	1969	1441756
G	356m NE	Unspecified Works	1984	1438183
G	356m NE	Unspecified Mills	1969	1503681
I	357m E	Unspecified Tanks	1984	1425757
9	361m N	Telephone Exchange	1969 - 1984	1541524
J	370m SE	Unspecified Commercial/Industrial	1949	1410490
J	370m SE	Unspecified Disused Mills	1904	1456843
11	388m W	Smithy	1904	1456889
12	394m SE	Unspecified Ground Workings	1949	1412287
13	406m SE	Mill Pond	1888	1425501
14	414m SE	Unspecified Works	1969 - 1984	1462802
G	415m NE	Mill Pond	1949	1491123
G	415m NE	Mill Pond	1904	1500231
G	416m NE	Mill Pond	1938	1488986
G	423m NE	Mill Pond	1951	1531155
M	436m E	Unspecified Tank	1984	1433342
O	447m W	Police Station	1969	1476031
O	447m W	Police Station	1951	1554114
O	449m W	Police Station	1938	1545753
O	451m W	Police Station	1904	1467242
O	451m W	Police Station	1949	1518117
N	471m N	Unspecified Mill	1969 - 1984	1525141
N	473m NW	Unspecified Mill	1938	1512568
N	475m NW	Unspecified Mill	1951	1485127
N	475m NW	Corn Mill	1904	1433085
N	475m NW	Unspecified Mill	1949	1515306

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	26

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

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
C	86m NE	Unspecified Tank	1965 - 1987	235421
C	109m N	Tanks	1993 - 1994	235465
C	114m N	Tanks	1992	237716
C	126m NE	Tanks	1913	230372
C	138m N	Unspecified Tank	1992	244775
C	142m N	Unspecified Tank	1993 - 1994	238487
C	145m NE	Unspecified Tank	1965 - 1987	245447
C	175m N	Tanks	1913	230371
B	177m NW	Gasholder Station	1987	235634
B	188m N	Gasholder Station	1965	241612
B	196m N	Gas Holder	1965	233027
B	234m NW	Gas Works	1892 - 1906	245642
B	286m NW	Gasometer	1892 - 1906	238296
B	287m NW	Gasometer	1892 - 1906	242000
I	361m E	Tanks	1994	248745
I	362m E	Tanks	1993	246531
G	383m N	Unspecified Tank	1980 - 1996	239861
G	385m N	Unspecified Tank	1989	233567
K	412m NW	Unspecified Tank	1993 - 1997	242387
K	420m NW	Unspecified Tank	1984	235491
K	421m NW	Unspecified Tank	1990 - 1992	240565

ID	Location	Land use	Dates present	Group ID
G	424m NE	Gasometer	1892	229569
M	436m E	Unspecified Tank	1965 - 1994	248561
P	477m W	Unspecified Tank	1913	223287
P	479m W	Unspecified Tank	1892	223286
N	497m NW	Tanks	1994 - 1996	244765

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	**20**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, 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 12**

ID	Location	Land use	Dates present	Group ID
C	143m NE	Electricity Substation	1992 - 1994	136970
4	153m NW	Electricity Substation	1992 - 1994	142642
B	177m NW	Gasholder Station	1987	142143
B	188m N	Gasholder Station	1965	138718
B	196m N	Gas Holder	1965	131989
B	234m NW	Gas Works	1892 - 1906	145755
5	270m SW	Electricity Substation	1992	129005
B	286m NW	Gasometer	1892 - 1906	143502
B	287m NW	Gasometer	1892 - 1906	140696
10	370m N	Electricity Substation	1980 - 1996	134763
K	381m NW	Electricity Substation	1993	134108
K	382m NW	Electricity Substation	1959 - 1992	141169
K	382m NW	Electricity Substation	1995 - 1997	142965

ID	Location	Land use	Dates present	Group ID
K	382m NW	Electricity Substation	1984	132663
L	389m W	Electricity Substation	1984	133781
L	390m W	Electricity Substation	1993	132720
G	390m N	Electricity Substation	1996	129006
L	391m W	Electricity Substation	1959 - 1992	137758
L	400m W	Electricity Substation	1995 - 1997	143290
G	424m NE	Gasometer	1892	131426

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	**0**

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	**16**

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

Features are displayed on the Past land use map on **page 12**

ID	Location	Land use	Dates present	Group ID
A	79m NW	Garage	1994	42547
A	112m NW	Garage	1994	43470
A	126m NW	Garage	1965 - 1993	45340
A	127m NW	Garage	1987 - 1992	45285

ID	Location	Land use	Dates present	Group ID
B	306m NW	Garage	1965	46003
B	308m N	Garage	1989 - 1994	44585
B	308m N	Garage	1980 - 1996	46889
M	409m E	Garage	1987 - 1992	46824
M	409m E	Garage	1965	44670
M	410m E	Garage	1994	42836
N	414m N	Garage	1994 - 1996	45223
M	414m E	Garage	1993 - 1994	47016
N	416m N	Garage	1979	45263
N	418m N	Garage	1989	42304
N	441m N	Garage	1961	43782
N	467m N	Garage	1980	43781

This data is sourced from Ordnance Survey / Groundsure.

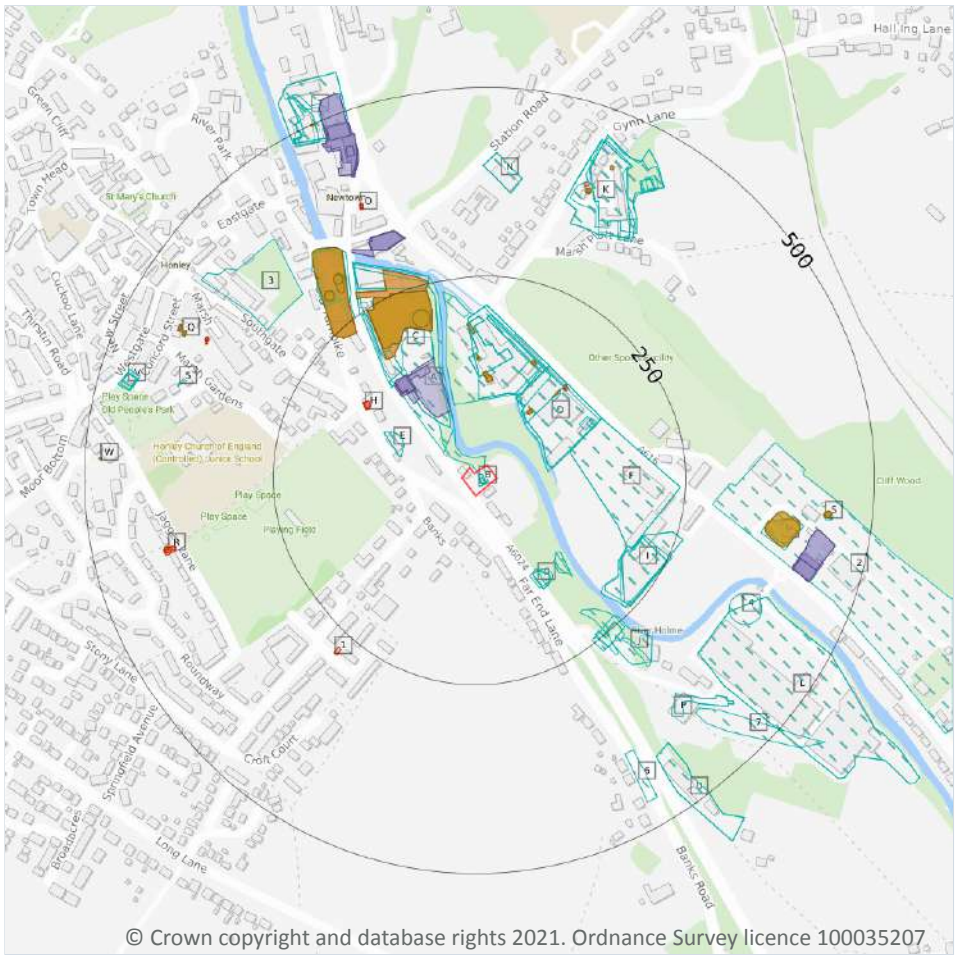
1.6 Historical military land

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	103

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

Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
A	**On site**	**Unspecified Ground Workings**	**1951**	**1412142**
B	**On site**	**Unspecified Heap**	**1938**	**1485708**
B	**On site**	**Unspecified Heap**	**1938**	**1485708**

ID	Location	Land Use	Date	Group ID
C	40m NW	Dye Works	1951	1511134
C	59m NW	Dye Works	1949	1534319
C	59m NW	Dye Works	1904	1553367
D	66m E	Dye Mills	1938	1483219
D	69m E	Unspecified Works	1984	1541811
D	69m E	Unspecified Works	1969	1541811
D	69m E	Dye Mills	1951	1549100
D	76m NE	Dye Mills	1949	1484379
D	76m NE	Unspecified Mills	1904	1465389
D	86m N	Unspecified Mills	1938	1495939
E	86m W	Unspecified Heap	1938	1537389
E	86m W	Unspecified Heap	1938	1537389
D	88m N	Unspecified Mills	1984	1512775
D	88m N	Unspecified Mills	1969	1512775
D	88m N	Unspecified Mills	1951	1532838
D	90m NE	Unspecified Mill	1888	1421214
F	103m E	Unspecified Factory	1984	1552645
F	103m E	Unspecified Factory	1969	1552645
D	117m N	Unspecified Mills	1949	1526625
D	117m N	Unspecified Mills	1904	1472538
D	117m N	Unspecified Mills	1888	1472538
D	123m NE	Unspecified Tanks	1938	1425758
G	125m SE	Unspecified Pit	1949	1451768
G	126m SE	Unspecified Pit	1904	1557526
G	127m SE	Unspecified Heap	1951	1547018
G	127m SE	Unspecified Pit	1949	1529448
G	128m SE	Unspecified Heap	1938	1545343
G	128m SE	Unspecified Heap	1938	1545343

ID	Location	Land Use	Date	Group ID
D	131m NE	Unspecified Tanks	1949	1511856
D	140m NE	Unspecified Tanks	1938	1511856
C	146m NW	Dye Works	1938	1509607
D	174m N	Unspecified Tanks	1938	1425769
C	194m N	Unspecified Tanks	1949	1507607
C	194m N	Unspecified Tank	1938	1546284
I	194m SE	Unspecified Works	1984	1531917
I	194m SE	Unspecified Works	1969	1531917
I	195m SE	Wax Candle Works	1949	1496656
I	195m SE	Wax Candle Works	1938	1496656
C	196m N	Unspecified Tank	1969	1553174
C	196m N	Unspecified Tanks	1951	1507607
I	196m SE	Candle Works	1951	1455546
D	197m N	Unspecified Tanks	1938	1425768
J	207m SE	Refuse Heap	1969	1436552
J	238m SE	Unspecified Disused Mill	1938	1518375
J	241m SE	Unspecified Disused Mill	1949	1518375
J	242m SE	Unspecified Mill	1888	1421216
C	245m N	Gas Station	1984	1436421
C	245m N	Unspecified Works	1969	1438184
C	251m NW	Unspecified Commercial/Industrial	1951	1473231
C	252m NW	Gas Works	1904	1414812
J	269m SE	Unspecified Ground Workings	1951	1412288
C	277m NW	Unspecified Commercial/Industrial	1938	1491011
C	279m NW	Unspecified Commercial/Industrial	1949	1491011
C	284m NW	Unspecified Tank	1949	1492584
C	284m NW	Gasometer	1904	1420663
C	285m NW	Unspecified Tank	1951	1492584

ID	Location	Land Use	Date	Group ID
C	285m NW	Unspecified Tank	1938	1462214
2	287m E	Sewage Works	1984	1511342
C	296m NW	Unspecified Tank	1938	1505668
C	296m NW	Unspecified Tank	1949	1510843
C	296m NW	Gasometer	1904	1519916
C	296m NW	Gasometer	1904	1519916
C	296m NW	Unspecified Tank	1951	1538671
3	319m NW	Unspecified Works	1969	1438175
K	338m N	Dye Mills	1949	1488526
K	338m N	Unspecified Mills	1904	1557475
K	338m N	Unspecified Mill	1888	1421215
K	342m NE	Dye Mills	1951	1473325
K	346m NE	Dye Mills	1938	1488526
4	350m SE	Unspecified Tank	1938	1433344
L	352m SE	Unspecified Works	1984	1438185
L	352m SE	Bank Works	1969	1441756
K	356m NE	Unspecified Works	1984	1438183
K	356m NE	Unspecified Mills	1969	1503681
M	357m E	Unspecified Tanks	1984	1425757
N	361m N	Telephone Exchange	1984	1541524
N	361m N	Telephone Exchange	1969	1541524
P	370m SE	Unspecified Commercial/Industrial	1949	1410490
P	370m SE	Unspecified Disused Mills	1904	1456843
5	388m W	Smithy	1904	1456889
6	394m SE	Unspecified Ground Workings	1949	1412287
7	406m SE	Mill Pond	1888	1425501
U	414m SE	Unspecified Works	1984	1462802
U	414m SE	Unspecified Works	1969	1462802

ID	Location	Land Use	Date	Group ID
K	415m NE	Mill Pond	1949	1491123
K	415m NE	Mill Pond	1904	1500231
K	416m NE	Mill Pond	1938	1488986
K	423m NE	Mill Pond	1951	1531155
S	436m E	Unspecified Tank	1984	1433342
V	447m W	Police Station	1969	1476031
V	447m W	Police Station	1951	1554114
V	449m W	Police Station	1938	1545753
V	451m W	Police Station	1949	1518117
V	451m W	Police Station	1904	1467242
T	471m N	Unspecified Mill	1984	1525141
T	471m N	Unspecified Mill	1969	1525141
T	473m NW	Unspecified Mill	1938	1512568
T	475m NW	Unspecified Mill	1951	1485127
T	475m NW	Unspecified Mill	1949	1515306
T	475m NW	Corn Mill	1904	1433085

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	**53**

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 20**

ID	Location	Land Use	Date	Group ID
D	86m NE	Unspecified Tank	1987	235421
D	87m NE	Unspecified Tank	1965	235421
D	87m NE	Unspecified Tank	1965	235421
D	109m N	Tanks	1993	235465

ID	Location	Land Use	Date	Group ID
D	109m N	Tanks	1994	235465
D	109m N	Tanks	1994	235465
D	114m N	Tanks	1992	237716
D	126m NE	Tanks	1913	230372
D	138m N	Unspecified Tank	1992	244775
D	142m N	Unspecified Tank	1993	238487
D	142m N	Unspecified Tank	1994	238487
D	142m N	Unspecified Tank	1994	238487
D	145m NE	Unspecified Tank	1987	245447
D	146m NE	Unspecified Tank	1965	245447
D	146m NE	Unspecified Tank	1965	245447
D	175m N	Tanks	1913	230371
C	177m NW	Gasholder Station	1987	235634
C	188m N	Gasholder Station	1965	241612
C	188m N	Gasholder Station	1965	241612
C	196m N	Gas Holder	1965	233027
C	234m NW	Gas Works	1892	245642
C	234m NW	Gas Works	1906	245642
C	286m NW	Gasometer	1892	238296
C	287m NW	Gasometer	1892	242000
C	287m NW	Gasometer	1906	242000
C	298m NW	Gasometer	1906	238296
M	361m E	Tanks	1994	248745
M	362m E	Tanks	1993	246531
M	362m E	Tanks	1994	248745
K	383m N	Unspecified Tank	1994	239861
K	383m N	Unspecified Tank	1996	239861
K	385m N	Unspecified Tank	1989	233567

ID	Location	Land Use	Date	Group ID
K	385m N	Unspecified Tank	1980	239861
Q	412m NW	Unspecified Tank	1996	242387
Q	412m NW	Unspecified Tank	1996	242387
Q	412m NW	Unspecified Tank	1997	242387
Q	412m NW	Unspecified Tank	1995	242387
Q	412m NW	Unspecified Tank	1995	242387
Q	412m NW	Unspecified Tank	1993	242387
Q	420m NW	Unspecified Tank	1984	235491
Q	421m NW	Unspecified Tank	1990	240565
Q	421m NW	Unspecified Tank	1992	240565
K	424m NE	Gasometer	1892	229569
S	436m E	Unspecified Tank	1987	248561
S	436m E	Unspecified Tank	1992	248561
S	437m E	Unspecified Tank	1965	248561
S	437m E	Unspecified Tank	1993	248561
S	437m E	Unspecified Tank	1994	248561
S	437m E	Unspecified Tank	1994	248561
W	477m W	Unspecified Tank	1913	223287
W	479m W	Unspecified Tank	1892	223286
T	497m NW	Tanks	1994	244765
T	497m NW	Tanks	1996	244765

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**45**

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 20**

ID	Location	Land Use	Date	Group ID
D	143m NE	Electricity Substation	1992	136970
D	144m NE	Electricity Substation	1994	136970
D	144m NE	Electricity Substation	1993	136970
D	144m NE	Electricity Substation	1994	136970
H	153m NW	Electricity Substation	1992	142642
H	154m NW	Electricity Substation	1993	142642
H	154m NW	Electricity Substation	1994	142642
H	154m NW	Electricity Substation	1994	142642
C	177m NW	Gasholder Station	1987	142143
C	188m N	Gasholder Station	1965	138718
C	188m N	Gasholder Station	1965	138718
C	196m N	Gas Holder	1965	131989
C	234m NW	Gas Works	1892	145755
C	234m NW	Gas Works	1906	145755
1	270m SW	Electricity Substation	1992	129005
C	286m NW	Gasometer	1892	143502
C	287m NW	Gasometer	1892	140696
C	287m NW	Gasometer	1906	140696
C	298m NW	Gasometer	1906	143502
O	370m N	Electricity Substation	1994	134763
O	370m N	Electricity Substation	1996	134763
O	372m N	Electricity Substation	1980	134763
O	372m N	Electricity Substation	1989	134763
Q	381m NW	Electricity Substation	1993	134108
Q	382m NW	Electricity Substation	1959	141169
Q	382m NW	Electricity Substation	1990	141169
Q	382m NW	Electricity Substation	1992	141169
Q	382m NW	Electricity Substation	1996	142965

ID	Location	Land Use	Date	Group ID
Q	382m NW	Electricity Substation	1996	142965
Q	382m NW	Electricity Substation	1997	142965
Q	382m NW	Electricity Substation	1995	142965
Q	382m NW	Electricity Substation	1995	142965
Q	382m NW	Electricity Substation	1984	132663
R	389m W	Electricity Substation	1984	133781
R	390m W	Electricity Substation	1993	132720
K	390m N	Electricity Substation	1996	129006
R	391m W	Electricity Substation	1959	137758
R	391m W	Electricity Substation	1990	137758
R	391m W	Electricity Substation	1992	137758
R	400m W	Electricity Substation	1996	143290
R	400m W	Electricity Substation	1996	143290
R	400m W	Electricity Substation	1997	143290
R	400m W	Electricity Substation	1995	143290
R	400m W	Electricity Substation	1995	143290
K	424m NE	Gasometer	1892	131426

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	**27**

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

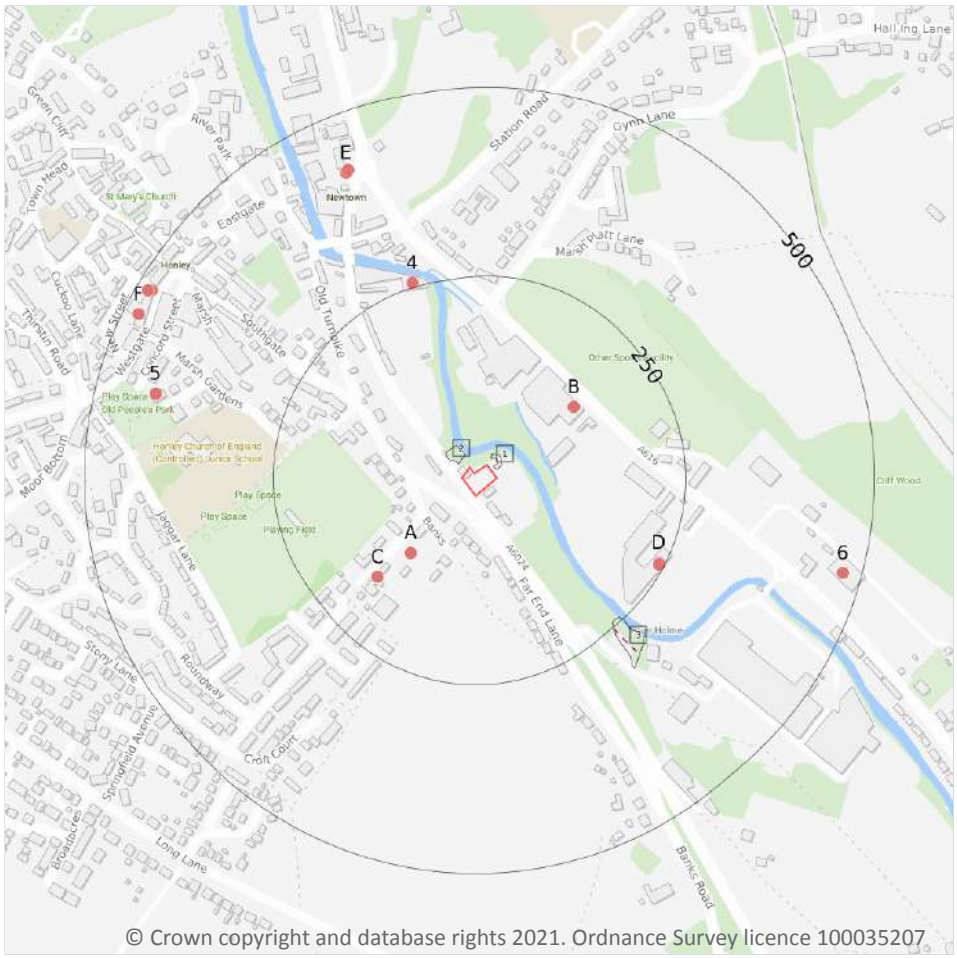
Features are displayed on the Past land use - un-grouped map on **page 20**

ID	Location	Land Use	Date	Group ID
A	79m NW	Garage	1994	42547
A	112m NW	Garage	1994	43470
A	126m NW	Garage	1965	45340
A	126m NW	Garage	1965	45340
A	127m NW	Garage	1987	45285
A	127m NW	Garage	1992	45285
A	127m NW	Garage	1993	45340
C	306m NW	Garage	1965	46003
C	306m NW	Garage	1965	46003
C	308m N	Garage	1989	44585
C	308m N	Garage	1994	44585
C	308m N	Garage	1996	46889
C	309m N	Garage	1980	46889
S	409m E	Garage	1987	46824
S	409m E	Garage	1992	46824
S	409m E	Garage	1965	44670
S	409m E	Garage	1965	44670
S	410m E	Garage	1994	42836
T	414m N	Garage	1994	45223
T	414m N	Garage	1996	45223
S	414m E	Garage	1993	47016
S	414m E	Garage	1994	47016
T	416m N	Garage	1979	45263

ID	Location	Land Use	Date	Group ID
T	416m N	Garage	1979	45263
T	418m N	Garage	1989	42304
T	441m N	Garage	1961	43782
T	467m N	Garage	1980	43781

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	3

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

Features are displayed on the Waste and landfill map on **page 31**

ID	Location	Site address	Source	Data type
1	6m NE	Refuse Tip	1993 mapping	Polygon
2	15m NW	Refuse Tip	1993 mapping	Polygon
3	244m SE	Refuse Tip	1993 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	0

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.

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	35

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 31**

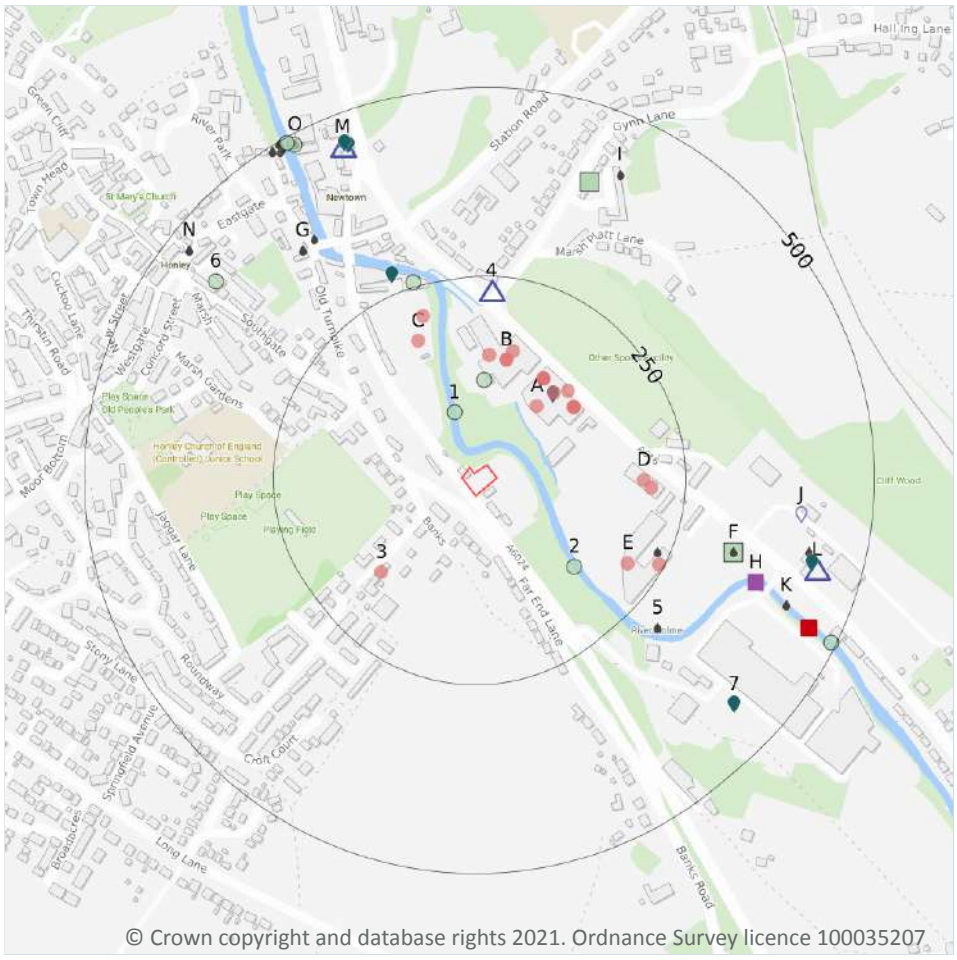
ID	Location	Site	Reference	Category	Sub-Category	Description
A	115m SW	13 Field End HOLMFIRTH HD9 6NE	EPR/FF0534G N/A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	115m SW	13 Field End HOLMFIRTH HD9 6NE	EPR/FF0534G N/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
A	115m SW	13 Field End HOLMFIRTH HD9 6NE	EPR/FF0534G N/A001	Treating waste exemption	Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	115m SW	13 Field End HOLMFIRTH HD9 6NE	EPR/FF0534G N/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
A	115m SW	13 Field End HOLMFIRTH HD9 6NE	EPR/FF0534G N/A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
B	138m NE	UNIT 1A, HONLEY BUSINESS CENTRE, NEW MILL ROAD, HONLEY, HOLMFIRTH, HD9 6QB	WEX098103	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	138m NE	UNIT 1A, HONLEY BUSINESS CENTRE, NEW MILL ROAD, HONLEY, HOLMFIRTH, HD9 6QB	WEX098103	Treating waste exemption	Not on a farm	Recovery of scrap metal
B	138m NE	UNIT 1A, HONLEY BUSINESS CENTRE, NEW MILL ROAD, HONLEY, HOLMFIRTH, HD9 6QB	WEX098103	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	138m NE	UNIT 1A, HONLEY BUSINESS CENTRE, NEW MILL ROAD, HONLEY, HOLMFIRTH, HD9 6QB	WEX098103	Using waste exemption	Not on a farm	Use of depolluted end-of-life vehicles for vehicle parts
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX209800	Using waste exemption	On a Farm	Use of waste in construction

ID	Location	Site	Reference	Category	Sub-Category	Description
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX209800	Using waste exemption	On a Farm	Use of waste for a specified purpose
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX209800	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX209800	Disposing of waste exemption	On a Farm	Burning waste in the open
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX062554	Disposing of waste exemption	On a farm	Burning waste in the open
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX062554	Using waste exemption	On a farm	Use of waste in construction
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX062554	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	169m SW	13, FIELD END, HONLEY, HOLMFIRTH, HD9 6NE	WEX062554	Using waste exemption	On a farm	Use of waste for a specified purpose
D	241m SE	Neiley Works 72 New Mill Road HOLMFIRTH HD9 6QQ	EPR/YF0605XL/A001	Disposing of waste exemption	Non-Agricultural Waste Only	Disposal by incineration
D	241m SE	Neiley Works 72 New Mill Road HOLMFIRTH HD9 6QQ	EPR/YF0605XL/A001	Using waste exemption	Non-Agricultural Waste Only	Burning of waste as a fuel in a small appliance
D	243m SE	Neiley Works, 72 New Mill Road, Huddersfield, HD9 6QQ	WEX126121	Disposing of waste exemption	Not on a farm	Disposal by incineration
D	243m SE	Neiley Works, 72 New Mill Road, Huddersfield, HD9 6QQ	WEX126121	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
D	243m SE	-	WEX265877	Using waste exemption	Not on a farm	Burning of waste as a fuel in a small appliance
D	243m SE	-	WEX265877	Disposing of waste exemption	Not on a farm	Disposal by incineration
4	256m N	Unit 9-10 Bridge Works Woodhead Road HOLMFIRTH HD9 6PW	EPR/VF0234WV/A001	Using waste exemption	Non-Agricultural Waste Only	Use of depolluted end-of-life vehicles for vehicle parts

ID	Location	Site	Reference	Category	Sub-Category	Description
5	421m W	19-21 Concord Street HOLMFIRTH HD9 6AE	EPR/UF0534RV/A001	Disposing of waste exemption	Non-Agricultural Waste Only	Burning waste in the open
E	423m NW	NEWTOWN HOUSE, NEWTOWN, HONLEY, HOLMFIRTH, HD9 6PQ	WEX150698	Storing waste exemption	Not on a farm	Storage of waste in a secure place
E	423m NW	NEWTOWN HOUSE, NEWTOWN, HONLEY, HOLMFIRTH, HD9 6PQ	WEX164983	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
E	426m N	Newtown House Newtown Holmfirth Kirklees HD9 6PQ	EPR/CF0801NE/A001	Treating waste exemption	Non-Agricultural Waste Only	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
6	475m E	-	WEX265027	Treating waste exemption	Not on a farm	Recovery of waste at a waste water treatment works
F	480m NW	8-10 Westgate Holmfirth West Yorkshire HD9 6AA	EPR/RH0078TY/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
F	480m NW	8-10 Westgate Holmfirth West Yorkshire HD9 6AA	EPR/CF0136EU/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
F	484m NW	8-10, WESTGATE, HONLEY, HOLMFIRTH, HD9 6AA	WEX184937	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
F	484m NW	8-10, WESTGATE, HONLEY, HOLMFIRTH, HD9 6AA	WEX184937	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	484m NW	25, SPRINGDALE AVENUE, HUDDERSFIELD, HD1 3NQ	WEX097291	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
F	484m NW	8-10, WESTGATE, HONLEY, HOLMFIRTH, HD9 6AA	WEX020426	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	20

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 36**

ID	Location	Company	Address	Activity	Category
A	103m NE	Honley Business Centre Units 1 to 16	West Yorkshire, HD9	Business Parks and Industrial Estates	Industrial Features
A	130m NE	Winding Technology	Unit 10 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	General Purpose Machinery	Industrial Products

ID	Location	Company	Address	Activity	Category
A	137m NE	Fuel Doctor	Unit 16 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Civil Engineers	Engineering Services
A	137m NE	Home Valley Testing Station	Unit 16 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	137m NE	Holme Valley M O T	Unit 16 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	138m NE	Foulds Motors	Unit 15 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	138m NE	Reins Mill Garage	Unit 4 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	138m NE	Mollsprings Motor Cycles	Unit 19 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	142m N	Ballyhoo Balloons	Unit 14 Crossley Mills, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6PL	Giftware	Consumer Products
B	142m N	Summer Wine Brewery Ltd	Unit 15 Crossley Mills, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6PL	Alcoholic Drinks	Foodstuffs
A	145m NE	Electricity Sub Station	West Yorkshire, HD9	Electrical Features	Infrastructure and Facilities
B	146m N	Michael Rath Brass Musical Instruments Ltd	Unit 9 Crossley Mills, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6PL	Musical Instruments	Consumer Products
B	154m N	Rapid Hire Centres	Unit 1 Honley Business Centre, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QB	Construction and Tool Hire	Hire Services
3	161m SW	S T Thornton & Sons	11, Field End, Honley, Holmfirth, West Yorkshire, HD9 6NE	Dairy Farming	Farming
C	182m N	Business Park	West Yorkshire, HD9	Business Parks and Industrial Estates	Industrial Features
D	195m E	Factory	West Yorkshire, HD9	Unspecified Works Or Factories	Industrial Features

ID	Location	Company	Address	Activity	Category
D	205m E	Norwood Instruments Ltd	New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QD	Precision Engineers	Engineering Services
E	207m SE	Neiley Candle Works	West Yorkshire, HD9	Unspecified Works Or Factories	Industrial Features
C	210m N	Gas Valve Compound	West Yorkshire, HD9	Gas Features	Infrastructure and Facilities
E	243m SE	Richard Carter Ltd	Neiley Works 72, New Mill Road, Honley, Holmfirth, West Yorkshire, HD9 6QQ	Tools Including Machine Shops	Industrial Products

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m	**3**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 36**

ID	Location	Company	Address	LPG	Status
4	230m N	OBSOLETE	New Mill Road, Honley, Huddersfield, West Yorkshire, HD7 2QB	Not Applicable	Obsolete
L	441m E	TEXACO	New Mill Road, Brockholes, Huddersfield, West Yorkshire, HD9 7AL	No	Open
M	457m N	TEXACO	1, Huddersfield Road, Honley, Huddersfield, West Yorkshire, HD9 6PE	No	Open

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m	**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m	6

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

Features are displayed on the Current industrial land use map on **page 36**

ID	Location	Details	
J	405m E	Operator: YORKSHIRE WATER SERVICES LIMITED Installation Name: NEILEY SLUDGE TREATMENT FACILITY Process: ASSOCIATED PROCESS Permit Number: VP3537UB Original Permit Number: KP3536LL	EPR Reference: - Issue Date: 23/09/2008 Effective Date: 23/09/2008 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
J	405m E	Operator: YORKSHIRE WATER SERVICES LIMITED Installation Name: NEILEY SLUDGE TREATMENT FACILITY Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: VP3537UB Original Permit Number: KP3536LL	EPR Reference: - Issue Date: 23/09/2008 Effective Date: 23/09/2008 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
J	405m E	Operator: YORKSHIRE WATER SERVICES LIMITED Installation Name: NEILEY SLUDGE TREATMENT FACILITY Process: OTHER WASTE DISPOSAL; NON-HAZARDOUS WASTE >50T/D BY PHYSICO-CHEMICAL TREATMENT Permit Number: KP3536LL Original Permit Number: KP3536LL	EPR Reference: - Issue Date: 16/03/2007 Effective Date: 16/03/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED
J	405m E	Operator: YORKSHIRE WATER SERVICES LIMITED Installation Name: NEILEY SLUDGE TREATMENT FACILITY Process: ASSOCIATED PROCESS Permit Number: KP3536LL Original Permit Number: KP3536LL	EPR Reference: - Issue Date: 16/03/2007 Effective Date: 16/03/2007 Last date noted as effective: 01/04/2021 Status: SUPERCEDED

ID	Location	Details	
J	405m E	Operator: YORKSHIRE WATER SERVICES LIMITED Installation Name: NEILEY SLUDGE TREATMENT FACILITY EPR/KP3536LL Process: ASSOCIATED PROCESS Permit Number: ZP3730VD Original Permit Number: KP3536LL	EPR Reference: - Issue Date: 19/02/2014 Effective Date: 19/02/2014 Last date noted as effective: 01/04/2021 Status: EFFECTIVE
J	405m E	Operator: YORKSHIRE WATER SERVICES LIMITED Installation Name: NEILEY SLUDGE TREATMENT FACILITY EPR/KP3536LL Process: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PHYSICO-CHEMICAL TREATMENT Permit Number: ZP3730VD Original Permit Number: KP3536LL	EPR Reference: - Issue Date: 19/02/2014 Effective Date: 19/02/2014 Last date noted as effective: 01/04/2021 Status: EFFECTIVE

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

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

Records within 500m **6**

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

Features are displayed on the Current industrial land use map on **page 36**

ID	Location	Address	Details	
A	128m NE	Reins Mill Garage, Honley Business Centre, New Mill Road, Honley, HD9 6QB	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	276m N	SJ Baxter Ltd, Units 9 & 10 Bridge Works, Woodhead Road, Honley, HD9 6PW	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
L	430m E	Co-operatives, Brockholes Filling Station, New Mill Road, Brockholes, Huddersfield, HD9 7AL	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
7	433m SE	Brook Motors Ltd, Hope Bank Works, Honley, HD7 2QG	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
M	456m N	Co-operative Group, Honley Filling Station, Huddersfield Road, Honley, HD9 2PE	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
M	461m N	Total Convenience Store, Huddersfield Rd, Honley, Huddersfield, HD7 2PE	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m	**45**

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 36**

ID	Location	Address	Details	
E	234m SE	SARAH LEE SITE - HONLEY (TREATED GR, OUNDWATER)	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: WRA7394 Permit Version: 1 Receiving Water: GROUNDWATER	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 23/03/1998 Effective Date: 23/03/1998 Revocation Date: 23/07/2001

ID	Location	Address	Details	
5	290m SE	BROOK MOTORS LTD., HOPE BANK WORKS, HONLEY HUDDERSFIELD	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3623 Permit Version: 1 Receiving Water: RIVER HOLME	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/05/1982 Effective Date: 28/05/1982 Revocation Date: 13/11/2003
F	327m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 11 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 19/07/1967 Effective Date: 19/07/1967 Revocation Date: 31/12/1981
F	327m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 1 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM 1978 ORDER Issue date: 01/01/1982 Effective Date: 01/01/1982 Revocation Date: 20/10/1985
F	327m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 2 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM COPA 1974 Issue date: 21/10/1985 Effective Date: 21/10/1985 Revocation Date: 10/12/1989
F	327m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 3 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 11/12/1989 Effective Date: 11/12/1989 Revocation Date: 30/04/1992
F	327m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 4 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 11/12/1989 Effective Date: 01/05/1992 Revocation Date: 17/02/2000
F	327m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 5 Receiving Water: RIVER HOLME	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 18/02/2000 Effective Date: 18/02/2000 Revocation Date: 19/04/2000

ID	Location	Address	Details	
G	363m NW	HONLEY BRIDGE NO 2 CSO, HONLEY BRIDGE JUNC EASTGATE, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD7 2PA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC1027 Permit Version: 1 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 30/03/2005
G	363m NW	HONLEY BRIDGE NO 2 CSO, HONLEY BRIDGE JUNC EASTGATE, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD7 2PA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8438 Permit Version: 1 Receiving Water: RIVER HOLME	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/02/2005 Effective Date: 31/03/2005 Revocation Date: 25/10/2017
G	366m NW	HONLEY BRIDGE NO 2 CSO, HONLEY BRIDGE JUNC EASTGATE, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD7 2PA	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8438 Permit Version: 2 Receiving Water: RIVER HOLME	Status: VARIED UNDER EPR 2010 Issue date: 26/10/2017 Effective Date: 26/10/2017 Revocation Date: -
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 10 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 10/07/2001 Effective Date: 03/09/2001 Revocation Date: 26/09/2005
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 12 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 11/03/2005 Effective Date: 04/03/2009 Revocation Date: 31/03/2009
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 13 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 27/09/2005 Effective Date: 27/09/2005 Revocation Date: 03/03/2009
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 14 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 08/10/2009

ID	Location	Address	Details	
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 15 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/10/2009 Effective Date: 09/10/2009 Revocation Date: -
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 7 Receiving Water: RIVER HOLME	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2000 Effective Date: 20/04/2000 Revocation Date: 31/10/2000
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 8 Receiving Water: RIVER HOLME	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2000 Effective Date: 01/11/2000 Revocation Date: 31/12/2000
H	369m E	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: 2255 Permit Version: 9 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2000 Effective Date: 01/01/2001 Revocation Date: 02/09/2001
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 10 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 10/07/2001 Effective Date: 03/09/2001 Revocation Date: 26/09/2005
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 12 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 11/03/2005 Effective Date: 04/03/2009 Revocation Date: 31/03/2009
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 13 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 27/09/2005 Effective Date: 27/09/2005 Revocation Date: 03/03/2009

ID	Location	Address	Details	
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 14 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 14/10/2008 Effective Date: 01/04/2009 Revocation Date: 08/10/2009
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 15 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 09/10/2009 Effective Date: 09/10/2009 Revocation Date: -
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 7 Receiving Water: RIVER HOLME	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2000 Effective Date: 20/04/2000 Revocation Date: 31/10/2000
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 8 Receiving Water: RIVER HOLME	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2000 Effective Date: 01/11/2000 Revocation Date: 31/12/2000
K	418m SE	NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 9 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 20/04/2000 Effective Date: 01/01/2001 Revocation Date: 02/09/2001
I	422m NE	HAROLD FISHER PLASTICS, PO BOX 1, GROVE MILLS, HONLEY, HUDDERSFIELD, HD7 2LB	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3555 Permit Version: 1 Receiving Water: LUDHILL DIKE	Status: REVOKED - UNSPECIFIED Issue date: 22/06/1981 Effective Date: 22/06/1981 Revocation Date: 04/06/1991

ID	Location	Address	Details	
L	424m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 11 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM R(PP)A 1951-1961 Issue date: 19/07/1967 Effective Date: 19/07/1967 Revocation Date: 31/12/1981
L	424m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 1 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM 1978 ORDER Issue date: 01/01/1982 Effective Date: 01/01/1982 Revocation Date: 20/10/1985
L	424m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 2 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM COPA 1974 Issue date: 21/10/1985 Effective Date: 21/10/1985 Revocation Date: 10/12/1989
L	424m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 3 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 11/12/1989 Effective Date: 11/12/1989 Revocation Date: 30/04/1992
L	424m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 4 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 11/12/1989 Effective Date: 01/05/1992 Revocation Date: 17/02/2000
L	424m E	NEILEY (HOLMFIRTH) WPC WORKS STORM, TANKS	Effluent Type: SEWAGE DISCHARGES - STW STORM OVERFLOW/STORM TANK - WATER COMPANY Permit Number: 2255 Permit Version: 5 Receiving Water: RIVER HOLME	Status: VARIED BY APPLICATION - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 18/02/2000 Effective Date: 18/02/2000 Revocation Date: 19/04/2000

ID	Location	Address	Details	
N	469m NW	HONLEY EASTGATE CSO, HONLEY, HOLMFIRTH, WEST YORKSHIRE, HD9 6NY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC895 Permit Version: 1 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 13/04/2009
N	469m NW	HONLEY EASTGATE CSO, HONLEY, HOLMFIRTH, WEST YORKSHIRE, HD9 6NY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC895 Permit Version: 2 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 14/04/2009 Effective Date: 14/04/2009 Revocation Date: 08/06/2017
N	469m NW	HONLEY EASTGATE CSO, HONLEY, HOLMFIRTH, WEST YORKSHIRE, HD9 6NY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC918 Permit Version: 1 Receiving Water: TROUGH BROOK	Status: REVOKED (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 27/04/2005
O	486m NW	CORN MILL NO 2 CSO, NEWTOWN, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD9 6PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC848 Permit Version: 1 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 30/03/2005
O	486m NW	CORN MILL NO 2 CSO, NEWTOWN, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD9 6PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8437 Permit Version: 1 Receiving Water: RIVER HOLME	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 15/03/2005 Effective Date: 31/03/2005 Revocation Date: 14/11/2017
O	487m NW	HONLEY NEWTOWN NO 2 CSO, OFF EASTGATE, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD9 6PS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8678 Permit Version: 2 Receiving Water: RIVER HOLME	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 04/06/2007 Effective Date: 04/06/2007 Revocation Date: 30/03/2018
O	488m NW	CORN MILL NO 2 CSO, NEWTOWN, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD9 6PQ	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8437 Permit Version: 2 Receiving Water: RIVER HOLME	Status: VARIED UNDER EPR 2010 Issue date: 15/11/2017 Effective Date: 15/11/2017 Revocation Date: -

ID	Location	Address	Details	
O	490m NW	HONLEY NEWTOWN NO 2 CSO, OFF EASTGATE, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD9 6PS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8678 Permit Version: 3 Receiving Water: RIVER HOLME	Status: VARIED UNDER EPR 2010 Issue date: 26/03/2018 Effective Date: 31/03/2018 Revocation Date: -
O	492m NW	HONLEY NEWTOWN NO 2 CSO, OFF EASTGATE, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD9 6PS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC1188 Permit Version: 1 Receiving Water: RIVER HOLME	Status: TRANSFERRED FROM WATER ACT 1989 Issue date: 18/09/1989 Effective Date: 18/09/1989 Revocation Date: 31/03/2005
O	492m NW	HONLEY NEWTOWN NO 2 CSO, OFF EASTGATE, HONLEY, HUDDERSFIELD, WEST YORKSHIRE, HD9 6PS	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA8678 Permit Version: 1 Receiving Water: RIVER HOLME	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 11/03/2005 Effective Date: 01/04/2005 Revocation Date: 03/06/2007
O	496m NW	HONLEY EASTGATE CSO, HONLEY, HOLMFIRTH, WEST YORKSHIRE, HD9 6NY	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WADC895 Permit Version: 3 Receiving Water: CULV TRIB OF RIVER HOLME	Status: VARIED UNDER EPR 2010 Issue date: 09/06/2017 Effective Date: 09/06/2017 Revocation Date: -

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m **1**

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

Features are displayed on the Current industrial land use map on **page 36**

ID	Location	Address	Details	
H	369m E	YORKSHIRE WATER SERVICES LTD, NEILEY WWTW, NEW MILL ROAD, BROCKHOLES, HONLEY, WEST YORKSHIRE	Permit Number: 2255 Permit Version: 10 Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Discharge Type: Sewage Disposal Works - water company	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Catchment: CALDER AND TRIBS Approval Date: 2001-09-03T00:00:00.000Z

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	1

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.

Features are displayed on the Current industrial land use map on **page 36**

ID	Location	Name	Status	Receiving Water	Authorised Substances
K	458m SE	Neiley Waste Water Treatment Works	Not Active	Calder, Any	Mercury (other), Hexachlorocyclohexane, Trichlorobenzene

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

4.17 List 2 Dangerous Substances

Records within 500m	3

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 36**

ID	Location	Name	Status	Receiving Water	Authorised Substances
F	328m E	Sicame Electrical Dev. Ltd, Holmefirth	Active	Unknown	Chromium, Copper, Cyanide, Lead, Nickel, Zinc
F	328m E	Neiley Stw	Active	River Colne	Chromium, Copper, Cyfluthrin, Flucofuron, Iron, Nickel, Permethrin, Zinc
I	398m N	Harold Fisher Plastics Ltd, Honley	Not Active	Unknown	Chromium, Copper, Lead, Zinc

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m	**8**

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

Features are displayed on the Current industrial land use map on **page 36**

ID	Location	Details	
1	75m N	Incident Date: 07/06/2003 Incident Identification: 164010 Pollutant: Sewage Materials Pollutant Description: Process Effluent	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
B	112m N	Incident Date: 26/04/2003 Incident Identification: 154139 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
2	155m SE	Incident Date: 31/05/2003 Incident Identification: 162147 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	256m N	Incident Date: 22/07/2003 Incident Identification: 175549 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
6	417m NW	Incident Date: 30/05/2007 Incident Identification: 498840 Pollutant: Specific Waste Materials Pollutant Description: Contaminated Soil	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
O	486m NW	Incident Date: 08/09/2002 Incident Identification: 106208 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
O	493m NW	Incident Date: 22/04/2002 Incident Identification: 73773 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	493m SE	Incident Date: 14/06/2003 Incident Identification: 165745 Pollutant: Sewage Materials:Other Pollutant Pollutant Description: Final Effluent:Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m	0

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

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

4.20 Pollution inventory waste transfers

Records within 500m	0

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

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

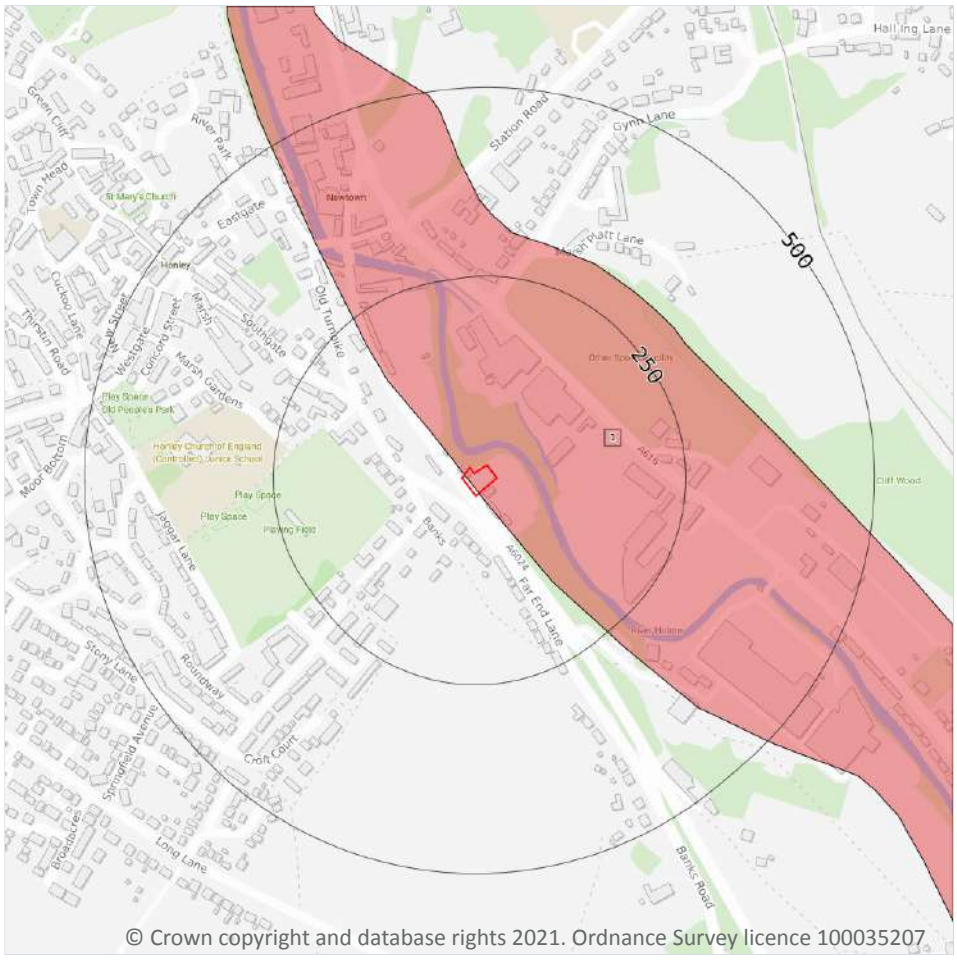
4.21 Pollution inventory radioactive waste

Records within 500m	0

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

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

5 Hydrogeology - Superficial aquifer



5.1 Superficial aquifer

Records within 500m	1

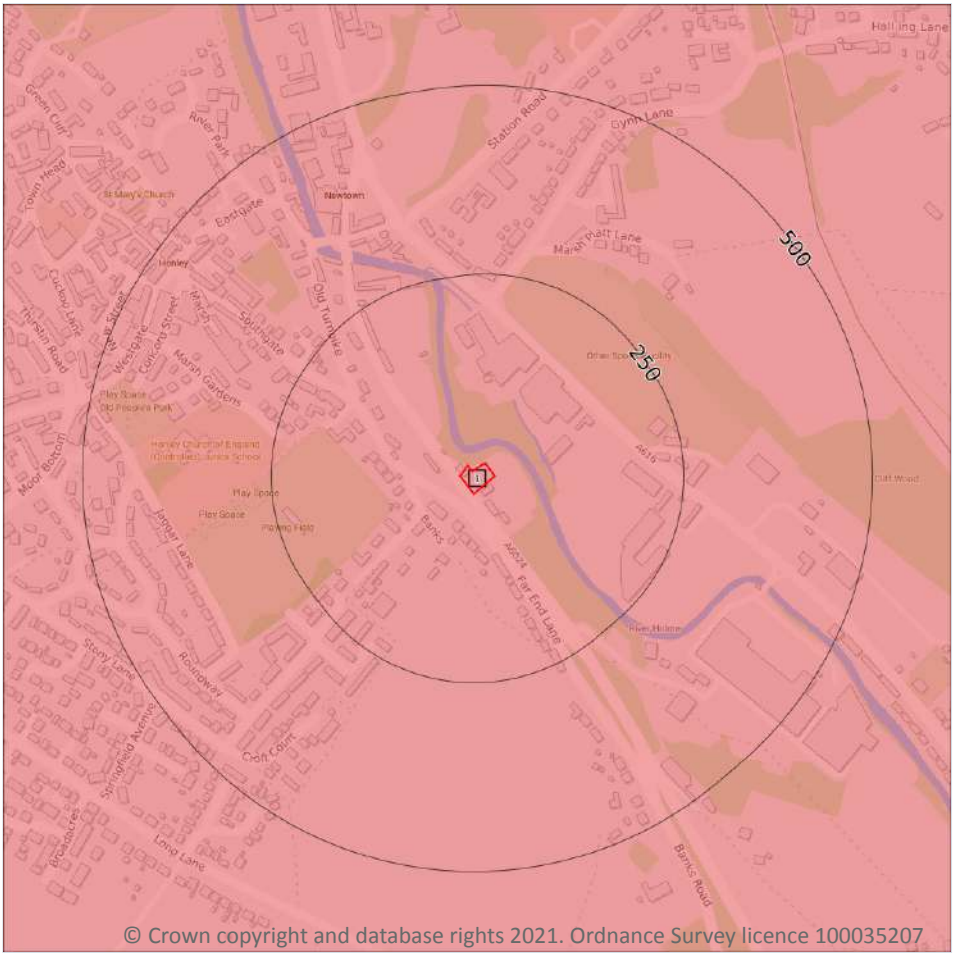
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 53**

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.

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

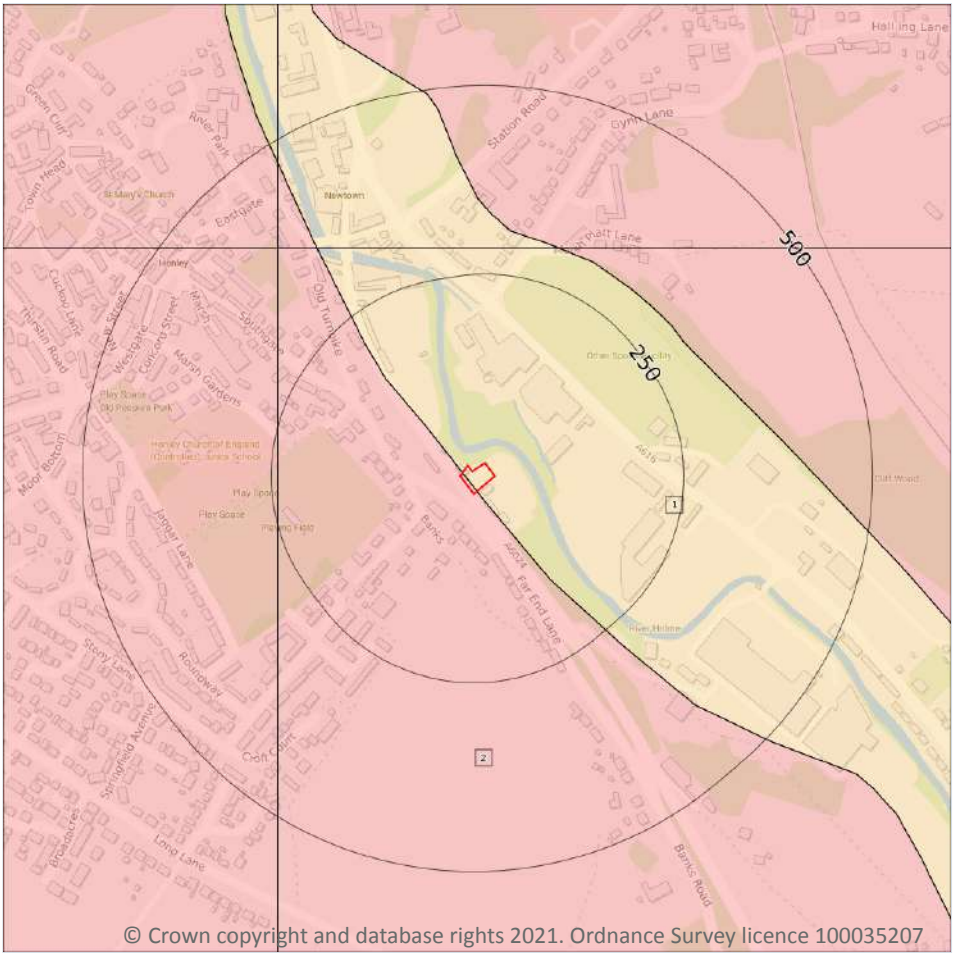
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 54**

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	2

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 55**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >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	7

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 57**

ID	Location	Details	
-	900m N	Status: Historical Licence No: 2/27/10/067 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: CROSS HEIGHTS TRUCK SALES LIMITED Easting: 414100 Northing: 412600	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: 31/03/1997 Version End Date: -
-	900m N	Status: Historical Licence No: 2/27/10/067 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - HONLEY Data Type: Point Name: CROSS HEIGHTS TRUCK SALES LTD Easting: 414100 Northing: 412600	Annual Volume (m^3): 20000 Max Daily Volume (m^3): 168.18 Original Application No: - Original Start Date: 17/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1997 Version End Date: -
-	1372m E	Status: Historical Licence No: 2/27/11/087 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: LUDHILL SPRING Data Type: Point Name: FARNLEY ESTATES LTD Easting: 415600 Northing: 412100	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/06/1999 Version End Date: -
-	1594m NW	Status: Historical Licence No: 2/27/10/107 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HINCHLIFFE Easting: 413000 Northing: 412700	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 04/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 04/11/1966 Version End Date: -
-	1594m NW	Status: Active Licence No: 2/27/10/107 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - NETHERTON Data Type: Point Name: HINCHLIFFE Easting: 413000 Northing: 412700	Annual Volume (m^3): 13,274 Max Daily Volume (m^3): 36.36 Original Application No: - Original Start Date: 04/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -

ID	Location	Details	
-	1977m E	Status: Historical Licence No: 2/27/11/084 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRINGS IN SCHOOL WOOD Data Type: Point Name: FARNLEY ESTATES LTD Easting: 416200 Northing: 412200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 21/06/1999 Version End Date: -
-	1977m E	Status: Historical Licence No: 2/27/11/084 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRINGS - SCHOOL WOOD - FARNLEY TYAS Data Type: Point Name: FARNLEY ESTATES LTD Easting: 416200 Northing: 412200	Annual Volume (m^3): 20410.8 Max Daily Volume (m^3): 55.92 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m **13**

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 57**

ID	Location	Details	
A	432m SE	Status: Historical Licence No: 2/27/10/025 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: SURFACE WATER TO CATCHPIT Data Type: Point Name: BROOK MOTORS LIMITED Easting: 414600 Northing: 411400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/02/1997 Version End Date: -

ID	Location	Details	
A	432m SE	Status: Historical Licence No: 2/27/10/025 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: CATCHPIT - HONLEY Data Type: Point Name: B ALLSOP LTD Easting: 414600 Northing: 411400	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2001 Version End Date: -
A	432m SE	Status: Active Licence No: 2/27/10/025 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: CATCHPIT - HONLEY Data Type: Point Name: B ALLSOP LTD Easting: 414600 Northing: 411400	Annual Volume (m^3): 8,183 Max Daily Volume (m^3): 27.27 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -
-	895m NW	Status: Historical Licence No: 2/27/10/030 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: SURFACE WATER Point: UNNAMED STREAM TO MILL DAM - HONLEY Data Type: Point Name: D P DYERS LTD Easting: 413500 Northing: 412200	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/11/1975 Version End Date: -
-	895m NW	Status: Historical Licence No: 2/27/10/030 Details: General use relating to Secondary Category (High Loss) Direct Source: SURFACE WATER Point: UNNAMED STREAM TO MILL DAM - HONLEY Data Type: Point Name: D P DYERS LTD Easting: 413500 Northing: 412200	Annual Volume (m^3): 145500 Max Daily Volume (m^3): 727 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/11/1975 Version End Date: -

ID	Location	Details	
-	942m NW	Status: Historical Licence No: 2/27/10/030 Details: General Use Relating To Secondary Category (High Loss) Direct Source: SURFACE WATER Point: UNNAMED STREAM TO MILL DAM-HONLEY Data Type: Point Name: D P DYERS LTD Easting: 413450 Northing: 412210	Annual Volume (m^3): 50000 Max Daily Volume (m^3): 350 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 16/05/2006 Version End Date: -
-	942m NW	Status: Active Licence No: 2/27/10/030 Details: General Use Relating To Secondary Category (High Loss) Direct Source: SURFACE WATER Point: STREAM TO MILL DAM-HONLEY Data Type: Point Name: D P DYERS LTD Easting: 413450 Northing: 412210	Annual Volume (m^3): 50,000 Max Daily Volume (m^3): 350 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 16/05/2006 Version End Date: -
-	953m NW	Status: Historical Licence No: 2/27/10/030 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: SURFACE WATER Point: MAG BROOK Data Type: Point Name: D P DYERS LTD Easting: 413500 Northing: 412300	Annual Volume (m^3): - Max Daily Volume (m^3): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/11/1975 Version End Date: -
-	953m NW	Status: Historical Licence No: 2/27/10/030 Details: General use relating to Secondary Category (High Loss) Direct Source: SURFACE WATER Point: MAG BROOK Data Type: Point Name: D P DYERS LTD Easting: 413500 Northing: 412300	Annual Volume (m^3): 145500 Max Daily Volume (m^3): 727 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/11/1975 Version End Date: -

ID	Location	Details	
-	953m NW	Status: Active Licence No: 2/27/10/030 Details: General Use Relating To Secondary Category (High Loss) Direct Source: SURFACE WATER Point: MAG BROOK-HONLEY-HUDDERSFIELD Data Type: Point Name: D P DYERS LTD Easting: 413500 Northing: 412300	Annual Volume (m^3): 50,000 Max Daily Volume (m^3): 350 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 16/05/2006 Version End Date: -
-	1578m NW	Status: Historical Licence No: 2/27/10/088 Details: Milling & Water Power Other Than Electricity Generation Direct Source: SURFACE WATER Point: RIVER HOLME Data Type: Point Name: JOHN BROOKE & SONS HOLDINGS LTD Easting: 413500 Northing: 413100	Annual Volume (m^3): 18184000 Max Daily Volume (m^3): 181840 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/11/1989 Version End Date: -
-	1578m NW	Status: Historical Licence No: 2/27/10/088 Details: Milling & Water Power Other Than Electricity Generation Direct Source: SURFACE WATER Point: RIVER HOLME - HUDDERSFIELD Data Type: Point Name: JOHN BROOKE & SONS HOLDINGS LTD Easting: 413500 Northing: 413100	Annual Volume (m^3): 18184000 Max Daily Volume (m^3): 181840 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/11/1989 Version End Date: -
-	1578m NW	Status: Active Licence No: 2/27/10/088 Details: Hydroelectric Power Generation Direct Source: SURFACE WATER Point: RIVER HOLME - HUDDERSFIELD Data Type: Point Name: JOHN BROOKE & SONS HOLDINGS LTD Easting: 413500 Northing: 413100	Annual Volume (m^3): 18,184,000 Max Daily Volume (m^3): 181,840 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/11/1989 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0

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

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

5.9 Source Protection Zones

Records within 500m	0

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

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

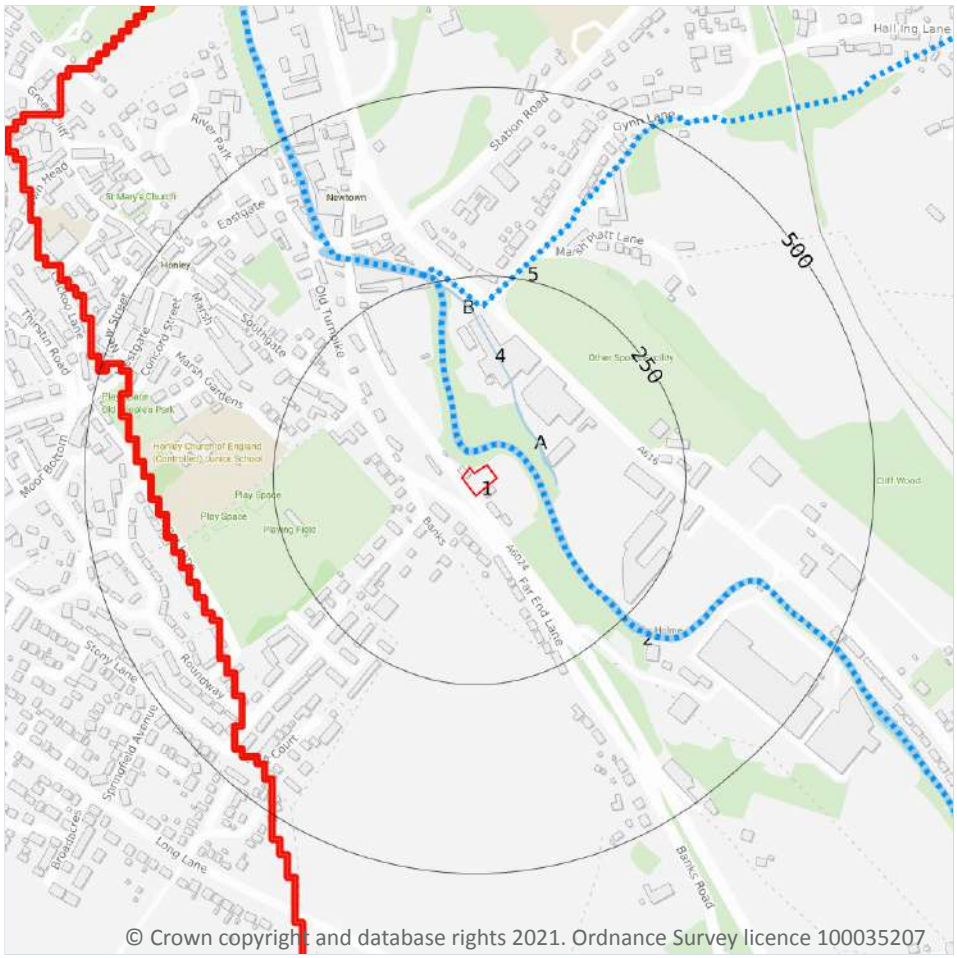
5.10 Source Protection Zones (confined aquifer)

Records within 500m	0

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

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

6 Hydrology



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 64**

ID	Location	Type of water feature	Ground level	Permanence	Name
2	21m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Holme

ID	Location	Type of water feature	Ground level	Permanence	Name
A	68m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	114m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
B	201m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	211m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ludhill Dike
B	211m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Ludhill Dike
B	240m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	243m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Holme

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	2

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 64**

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 64**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	**On site**	**River WB catchment**	**Holme from New Mill Dike to R Colne**	**GB104027063301**	**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 64**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
3	22m N	River	Holme from New Mill Dike to R Colne	GB104027063301	Moderate	Good	Moderate	2016

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

6.5 WFD Groundwater bodies

Records on site	**1**

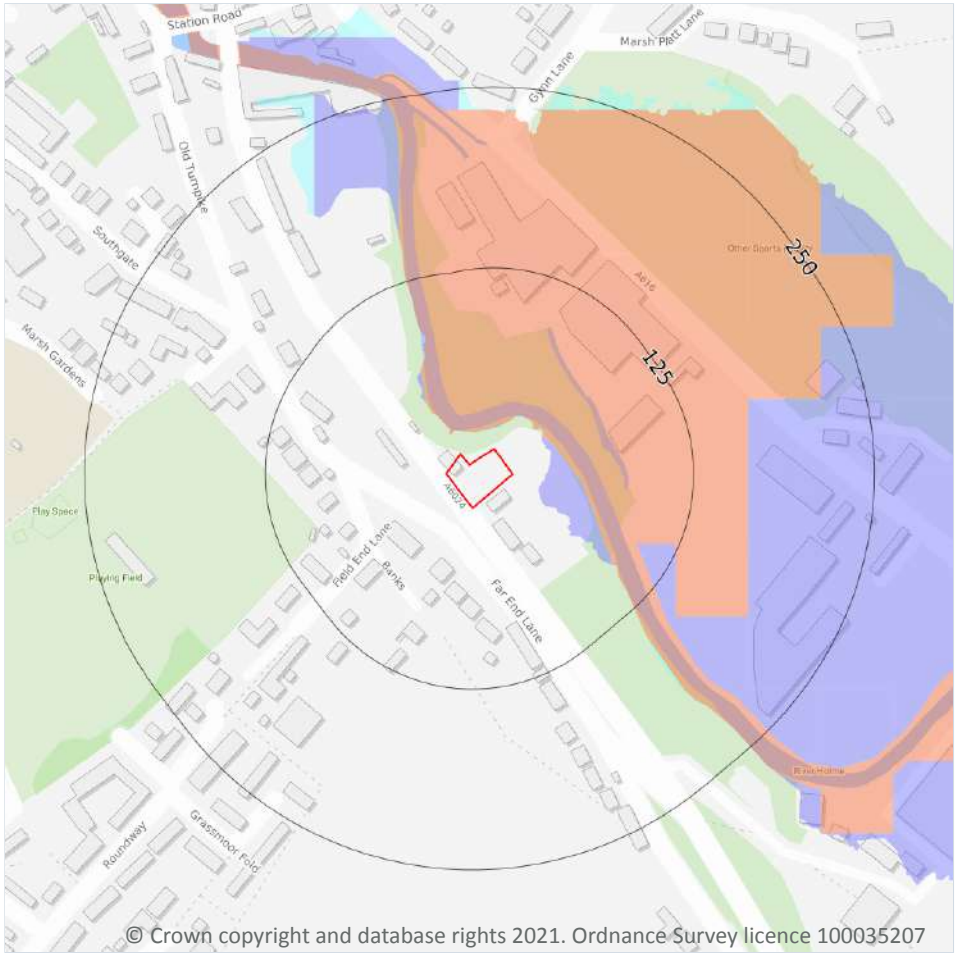
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 64**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	**On site**	**Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.**	**GB40402G700400**	**Poor**	**Poor**	**Good**	**2015**

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

7 River and coastal flooding



Site Outline

Search buffers in metres (m)

Environment Agency river and coastal flooding:

- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m	8

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

Features are displayed on the River and coastal flooding map on **page 67**

Distance	RoFRaS flood risk
On site	**N/A**
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.

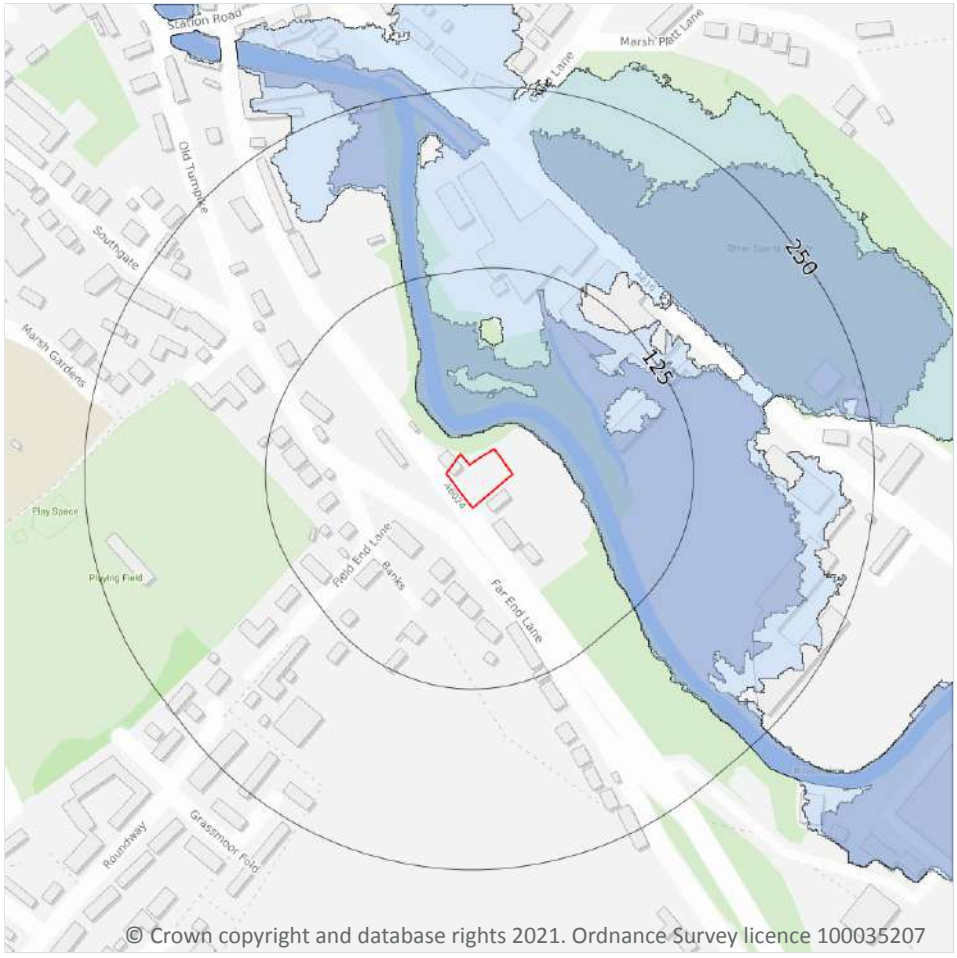
7.5 Flood Storage Areas

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 67**

Location	Type
12m N	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

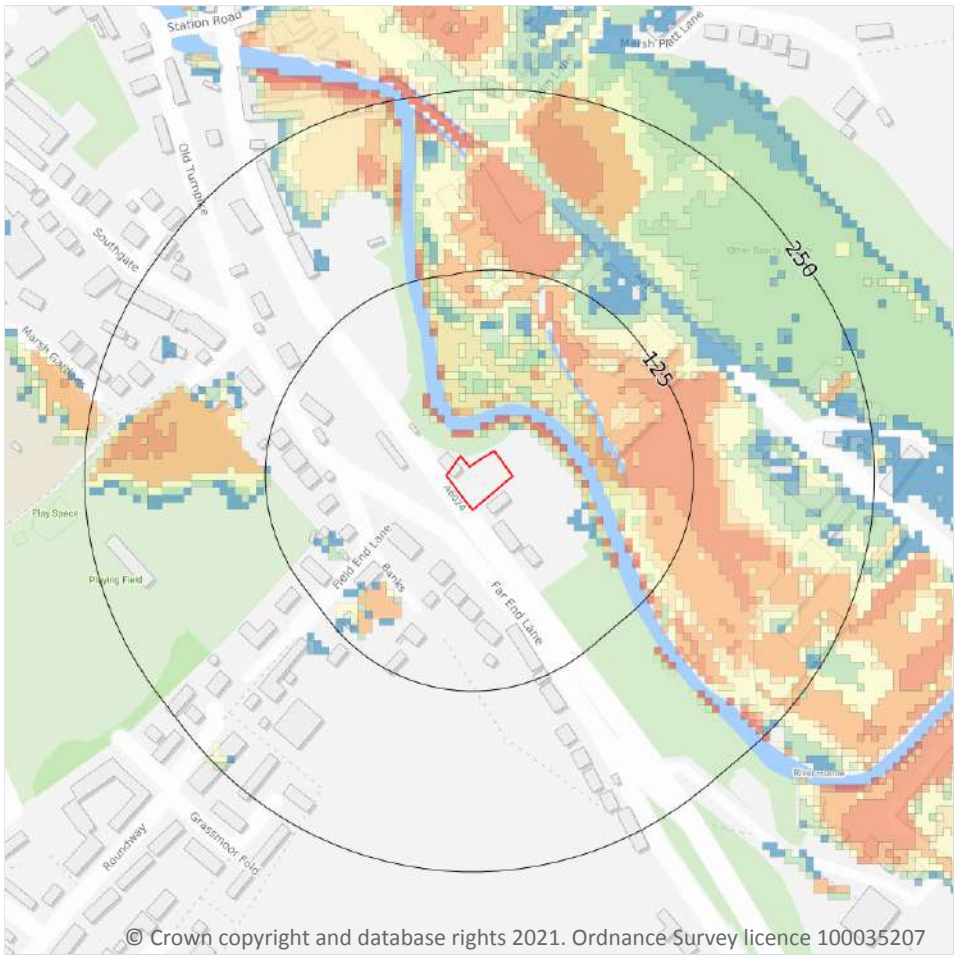
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 67**

Location	Type
12m N	Zone 3 - (Fluvial Models)

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

8 Surface water flooding



Site Outline
Search buffers in metres (m)

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

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

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

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

8.1 Surface water flooding

Highest risk on site	**Negligible**
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 71**

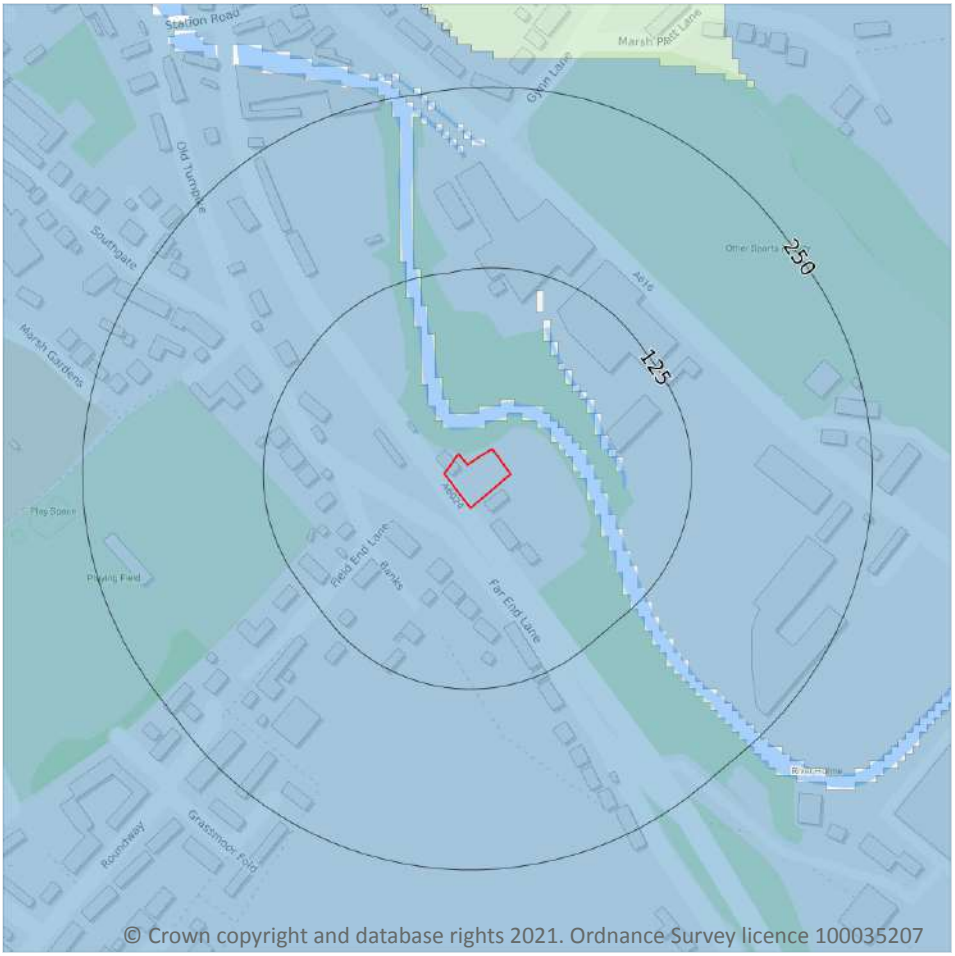
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

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

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

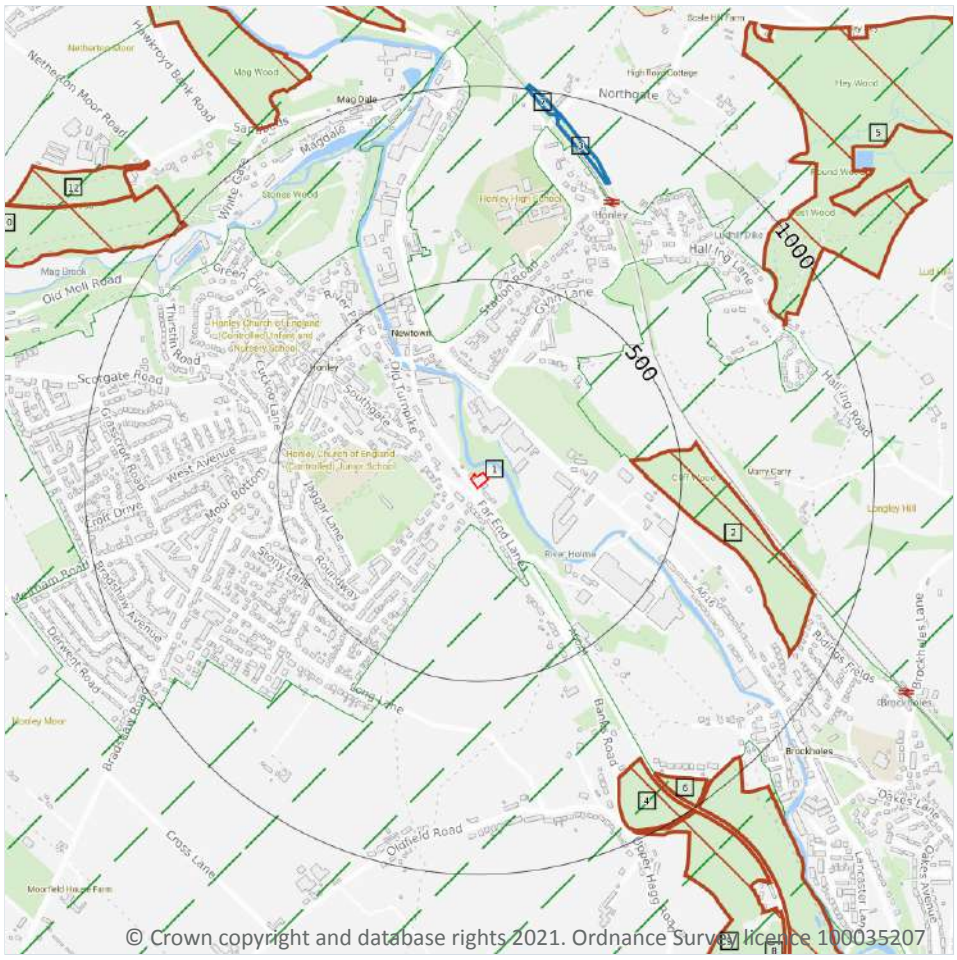
Highest risk on site	**Negligible**
Highest risk within 50m	**Negligible**

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

Features are displayed on the Groundwater flooding map on **page 73**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



Site Outline

Search buffers in metres (m)

Sites of Special Scientific Interest (SSSI)

Local Nature Reserves (LNR)

Designated Ancient Woodland

Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m	2

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.

Features are displayed on the Environmental designations map on **page 74**

ID	Location	Name	Data source
3	814m NE	Honley Station Cutting	Natural England

ID	Location	Name	Data source
7	944m N	Honley Station Cutting	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m	0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m	0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m	0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m	1

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

Features are displayed on the Environmental designations map on **page 74**

ID	Location	Name	Data source
14	1254m N	Upper Park Wood	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	23

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 74**

ID	Location	Name	Woodland Type
2	373m E	Cliff Wood	Ancient & Semi-Natural Woodland
4	816m SE	Hagg Wood	Ancient Replanted Woodland
5	854m NE	Hey Wood/west Wood	Ancient & Semi-Natural Woodland
6	870m SE	Hagg Wood	Ancient Replanted Woodland
8	964m SE	Hagg Wood	Ancient Replanted Woodland
9	982m SE	Hagg Wood	Ancient Replanted Woodland
10	987m NW	Spring Wood	Ancient & Semi-Natural Woodland
11	1044m NW	Mag Wood/nan Hob Spring	Ancient Replanted Woodland
12	1139m NW	Spring Wood	Ancient Replanted Woodland
13	1162m N	Park Wood	Ancient & Semi-Natural Woodland
15	1257m W	Clitheroe Wood	Ancient & Semi-Natural Woodland
-	1280m E	Farnley Bank And Stock Dove Woods	Ancient Replanted Woodland

ID	Location	Name	Woodland Type
-	1293m E	Great Plain Wood	Ancient Replanted Woodland
-	1349m E	Farnley Bank And Stock Dove Woods	Ancient Replanted Woodland
-	1382m E	Farnley Bank And Stock Dove Woods	Ancient Replanted Woodland
-	1515m E	Farnley Bank And Stock Dove Woods	Ancient Replanted Woodland
-	1651m NE	Hey Wood/west Wood	Ancient & Semi-Natural Woodland
-	1729m SE	Round Wood	Ancient & Semi-Natural Woodland
-	1831m NE	Arthur Wood	Ancient & Semi-Natural Woodland
-	1832m W	Honley/honley Old Woods	Ancient & Semi-Natural Woodland
-	1857m NE	Roaf Wood	Ancient & Semi-Natural Woodland
-	1946m SE	Black Gutters Wood	Ancient Replanted Woodland
-	1985m SW	Holmroyd 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 74**

ID	Location	Name	Local Authority name
1	95m S	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.

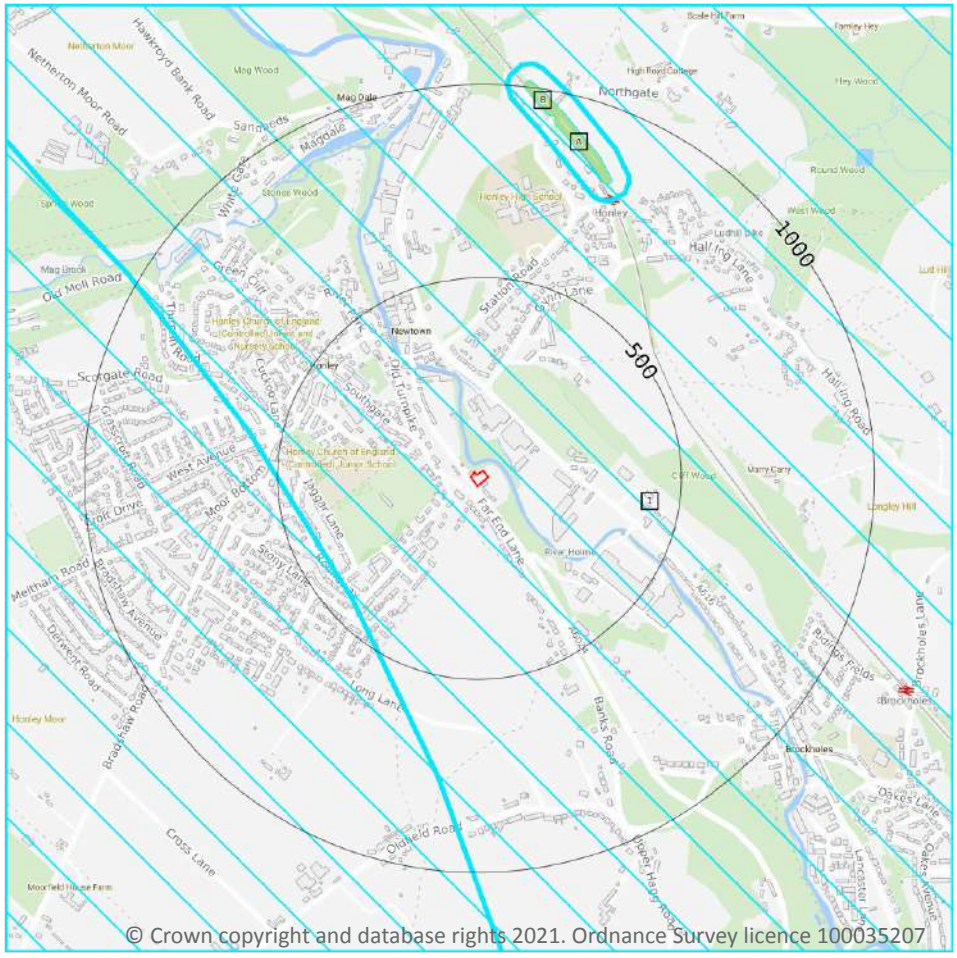
10.16 Nitrate Vulnerable Zones

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



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 80**

ID	Location	Type of developments requiring consultation
1	**On site**	**Infrastructure - Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Oil & gas exploration/extraction. Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons > 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	**2**

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.

Features are displayed on the SSSI Impact Zones and Units map on **page 80**

ID: A
Location: 814m NE
SSSI name: Honley Station Cutting
Unit name: Honley Station Cutting
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
ER - Westphalian	Favourable	05/05/2009

ID: B
Location: 944m N
SSSI name: Honley Station Cutting
Unit name: Honley Station Cutting
Broad habitat: Earth Heritage
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
ER - Westphalian	Favourable	05/05/2009

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

11 Visual and cultural designations

Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

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 82**

ID	Location	Name	Grade	Reference Number	Listed date
A	149m NW	Far End House, Holme Valley, Kirklees, HD9	II	1313545	04/08/1983
A	157m W	Far End House, Holme Valley, Kirklees, HD9	II	1287683	04/08/1983
1	159m SW	Field End, Holme Valley, Kirklees, HD9	II	1216376	04/08/1983

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

11.5 Conservation Areas

Records within 250m	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

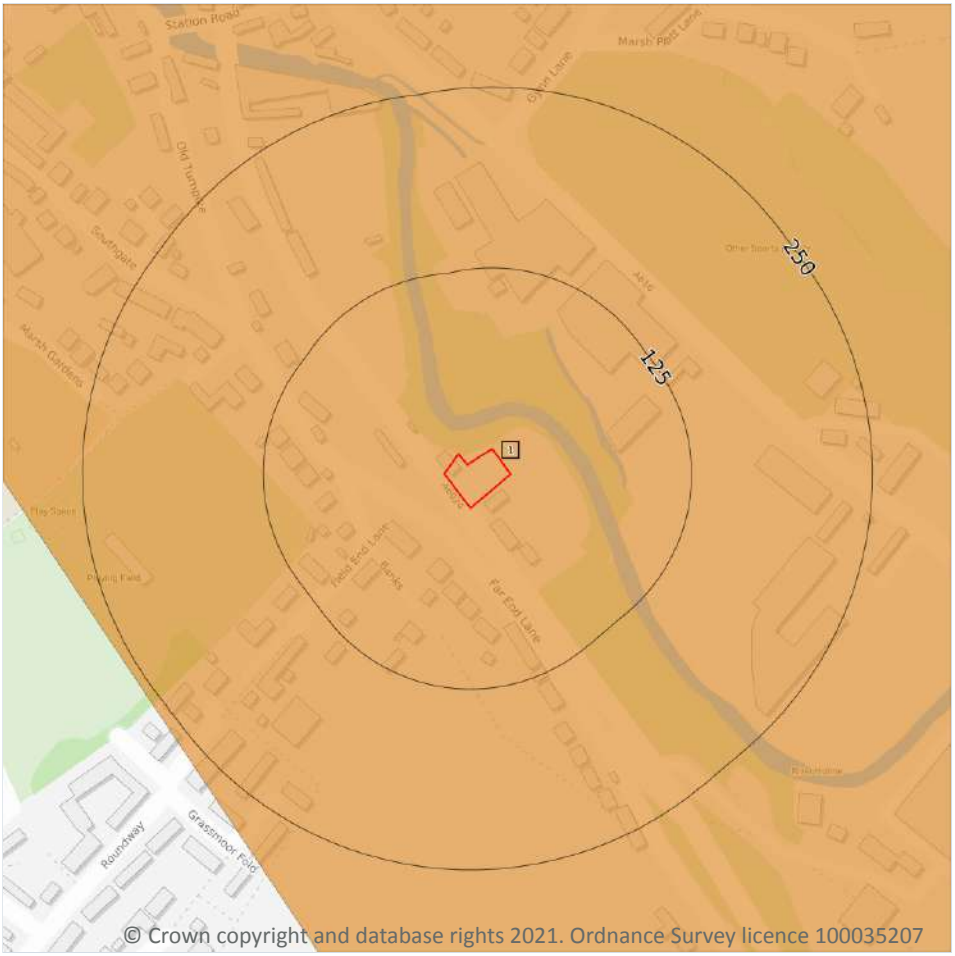
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m	1

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

Features are displayed on the Agricultural designations map on **page 85**

ID	Location	Classification	Description
1	On site	Grade 3	**Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.**

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0

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

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

12.3 Tree Felling Licences

Records within 250m	0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

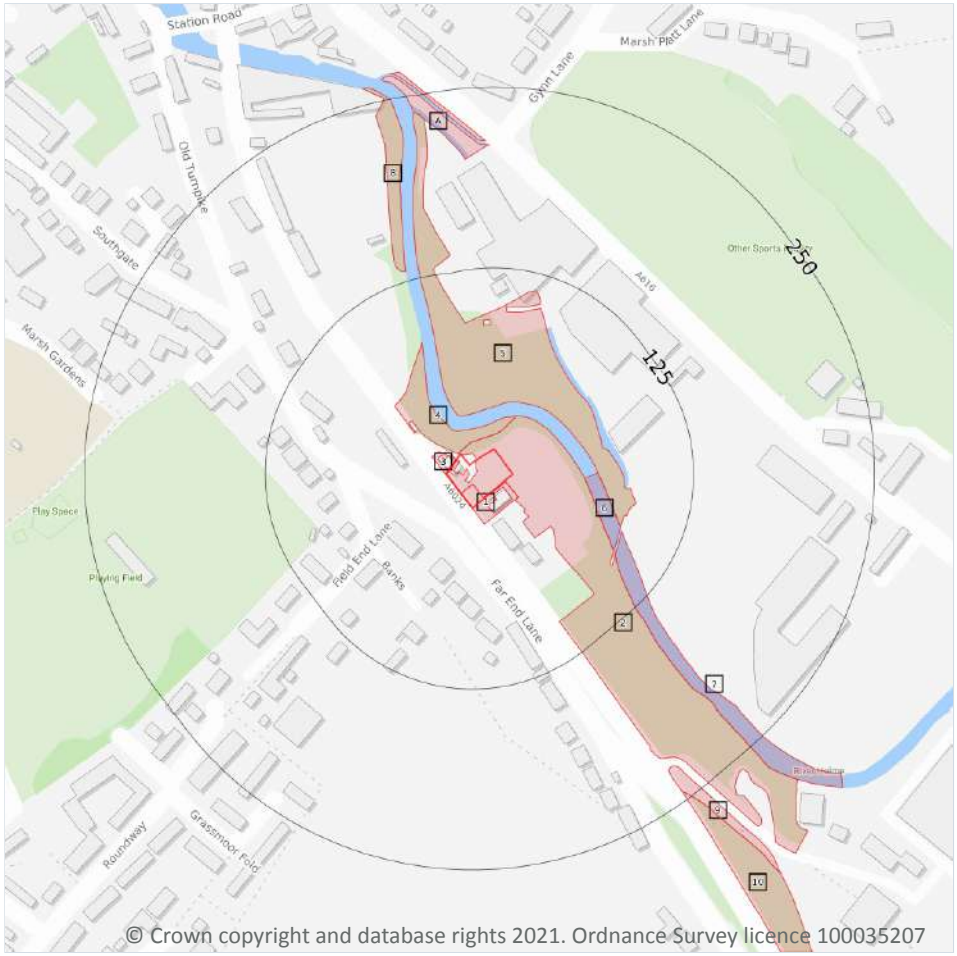
12.5 Countryside Stewardship Schemes

Records within 250m	0

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

This data is sourced from Natural England.

13 Habitat designations



Site Outline

Search buffers in metres (m)

Priority Habitat Inventory
Open Mosaic Habitat
Limestone Pavement Orders

Habitat Networks
Primary Habitat
Restorable Habitat
Associated Habitats
Habitat Restoration-Creation
Network Enhancement Zone 1
Network Enhancement Zone 2

13.1 Priority Habitat Inventory

Records within 250m	12

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 87**

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	**On site**	**Deciduous woodland**	**Main habitat: DWOOD (INV > 50%)**
4	2m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	27m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	50m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	85m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	132m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	201m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	213m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	225m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	244m SE	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

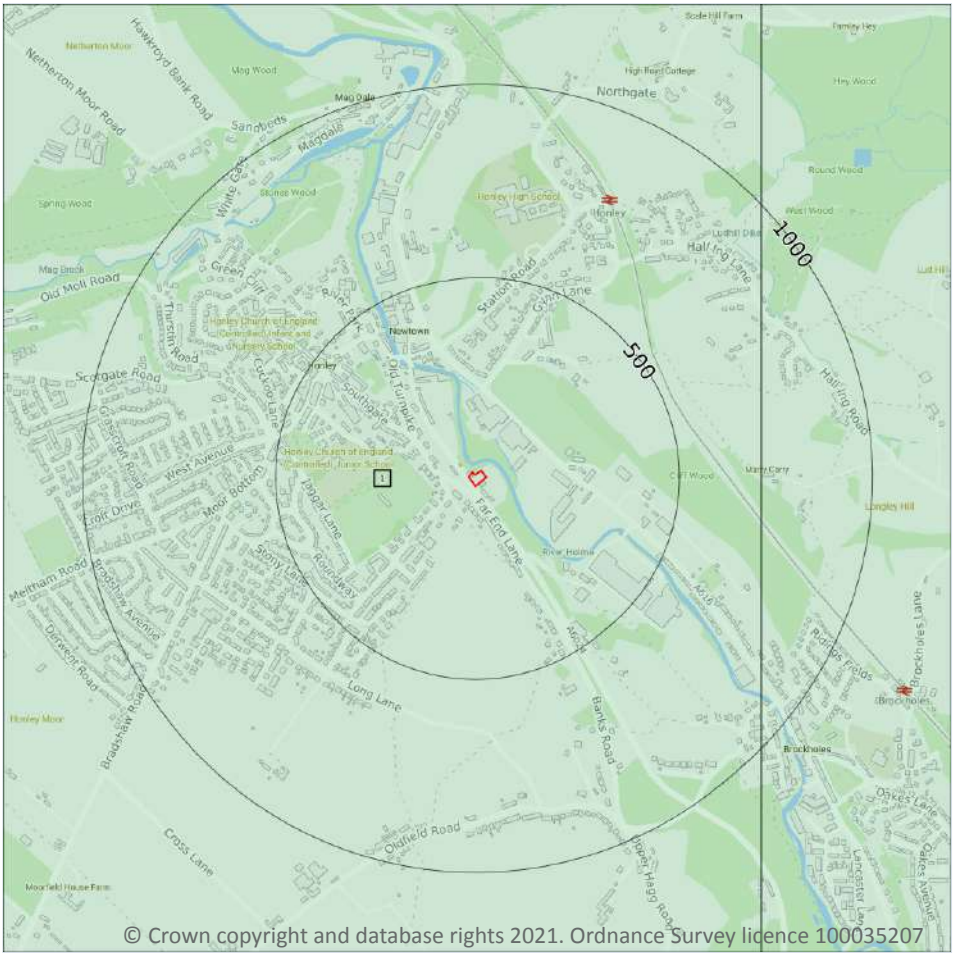
Records within 250m	**0**

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

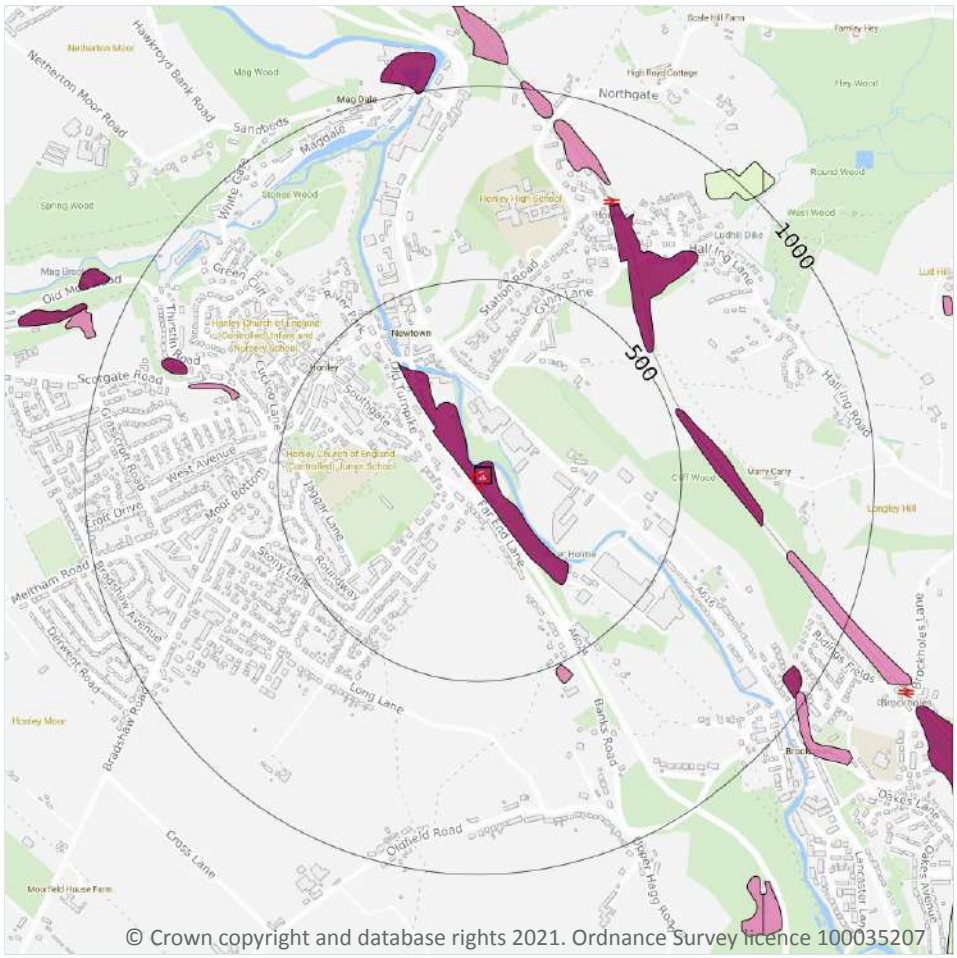
An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**SE11SW**

This data is sourced from the British Geological Survey.

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



14.2 Artificial and made ground (10k)

Records within 500m	1

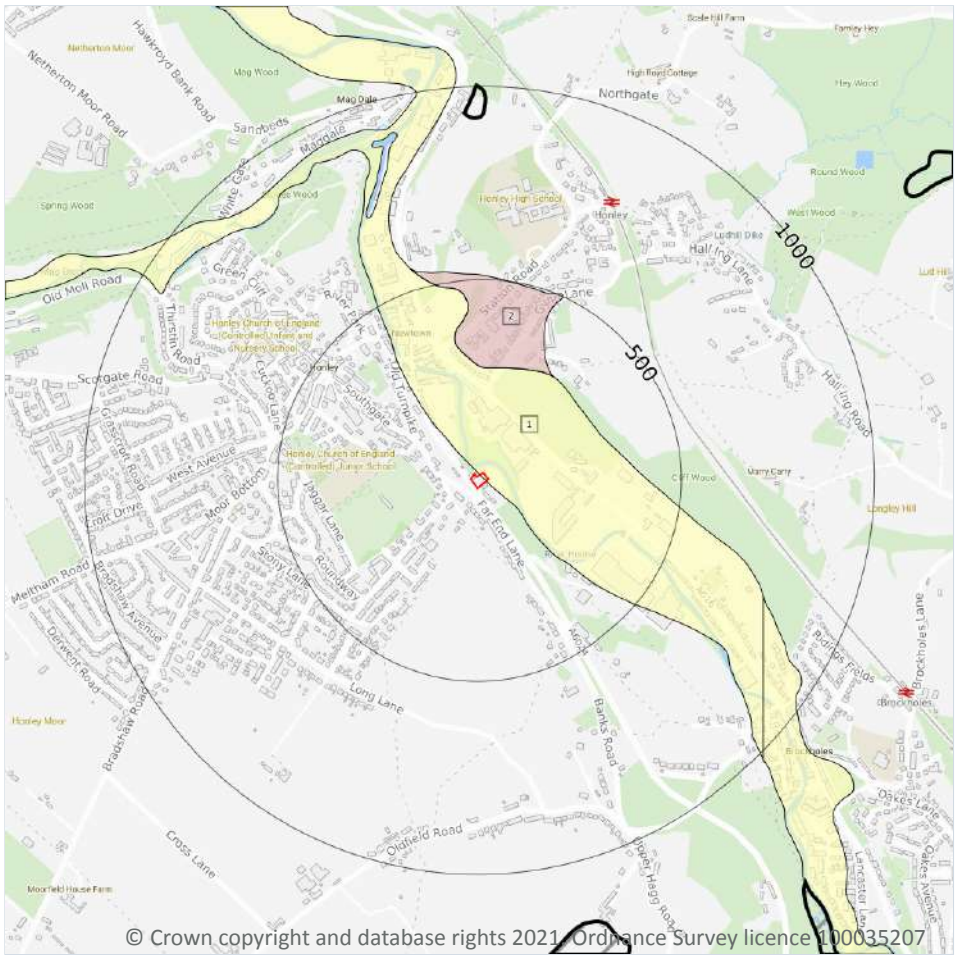
Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 91**

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m **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 92**

ID	Location	LEX Code	Description	Rock description
1	**On site**	**ALV-XCSV**	**Alluvium - Clay, Sand And Gravel**	**Clay, Sand And Gravel**
2	271m N	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

This data is sourced from the British Geological Survey.

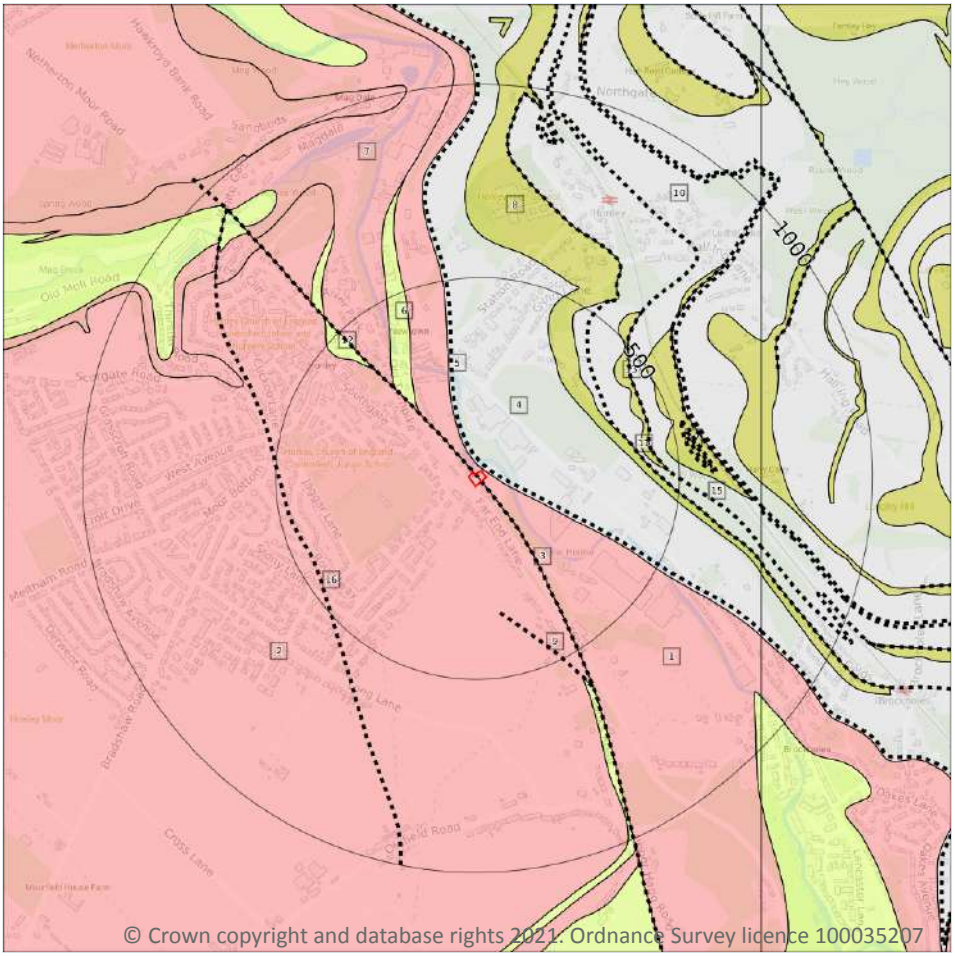
14.4 Landslip (10k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m	10

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 94**

ID	Location	LEX Code	Description	Rock age
1	**On site**	**RR-SDST**	**Rough Rock - Sandstone**	**Yeadonian Sub-age**
2	**On site**	**RR-SDST**	**Rough Rock - Sandstone**	**Yeadonian Sub-age**
4	5m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age

ID	Location	LEX Code	Description	Rock age
6	206m NW	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
7	293m NW	RF-SDST	Rough Rock Flags - Sandstone	Yeadonian Sub-age
8	303m NE	SBF-SDST	Soft Bed Flags - Sandstone	Langsettian Sub-age
10	339m NE	PLCM-MDSS	Pennine Lower Coal Measures Formation - Mudstone, Siltstone And Sandstone	Langsettian Sub-age
12	363m NW	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
13	410m E	MBR-SDST	Middle Band Rock - Sandstone	Langsettian Sub-age
17	472m E	PLCM-SDST	Pennine Lower Coal Measures Formation - 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	**7**

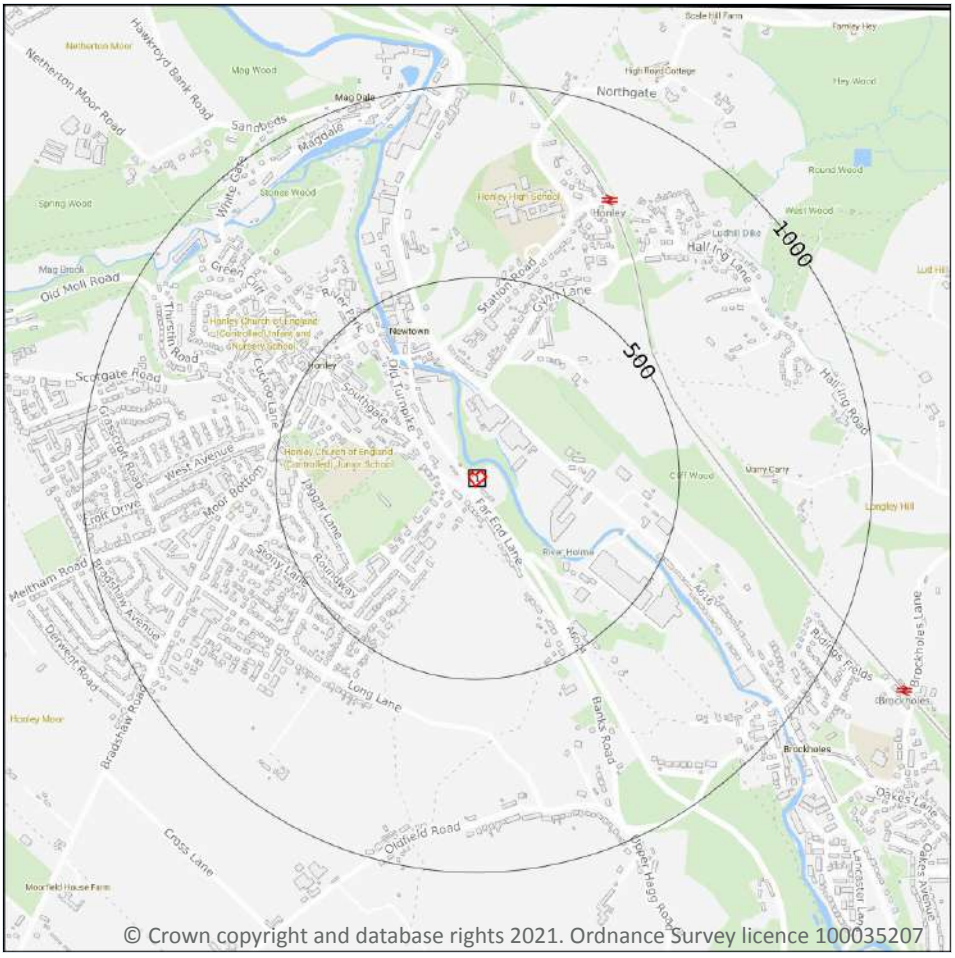
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

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

ID	Location	Category	Description
3	**On site**	**FAULT**	**Normal fault, inferred; crossmarks on downthrow side**
5	15m NE	FOSSIL_HORIZON	Fossil horizon, marine band
9	333m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
11	354m NE	ROCK	Coal seam, inferred
14	430m E	ROCK	Coal seam, observed
15	434m E	ROCK	Coal seam, inferred
16	455m 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 96**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**Full**	**EW086_glossop_v4**

This data is sourced from the British Geological Survey.

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

15.2 Artificial and made ground (50k)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

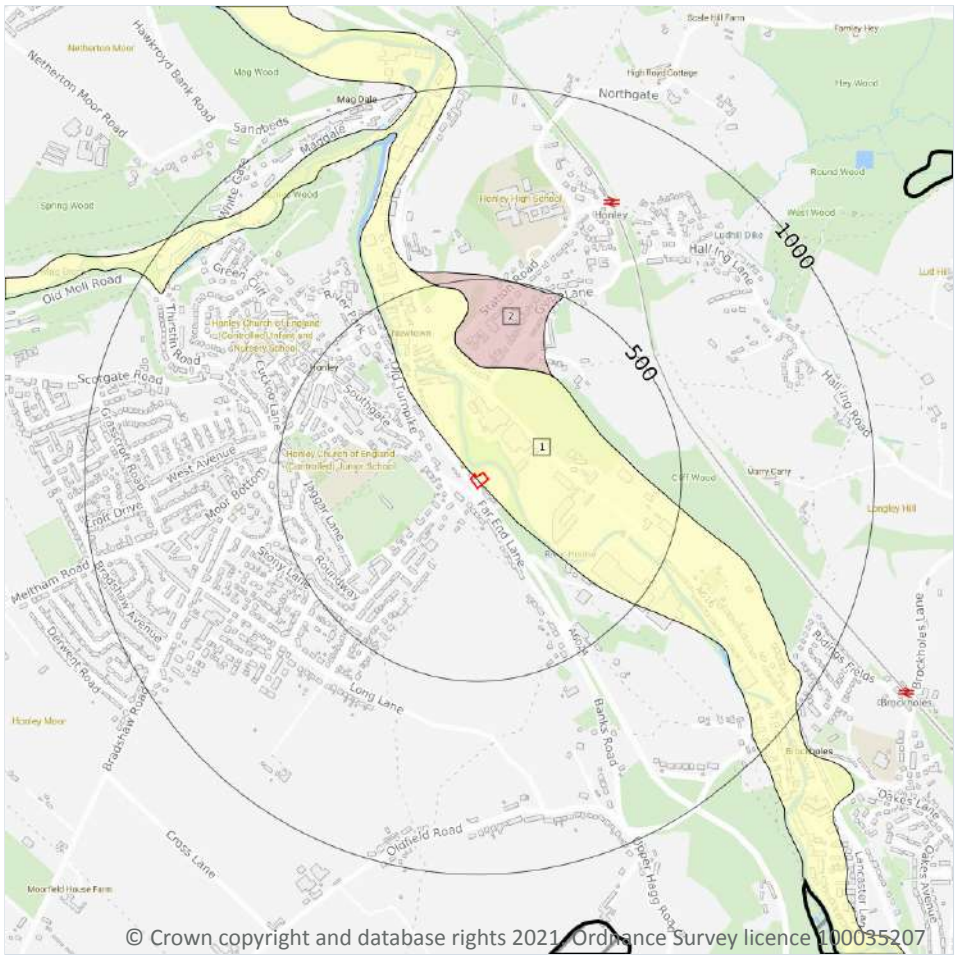
15.3 Artificial ground permeability (50k)

Records within 50m	0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m **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	271m N	HEAD-DMTN	HEAD	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Intergranular**	**Low**	**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.

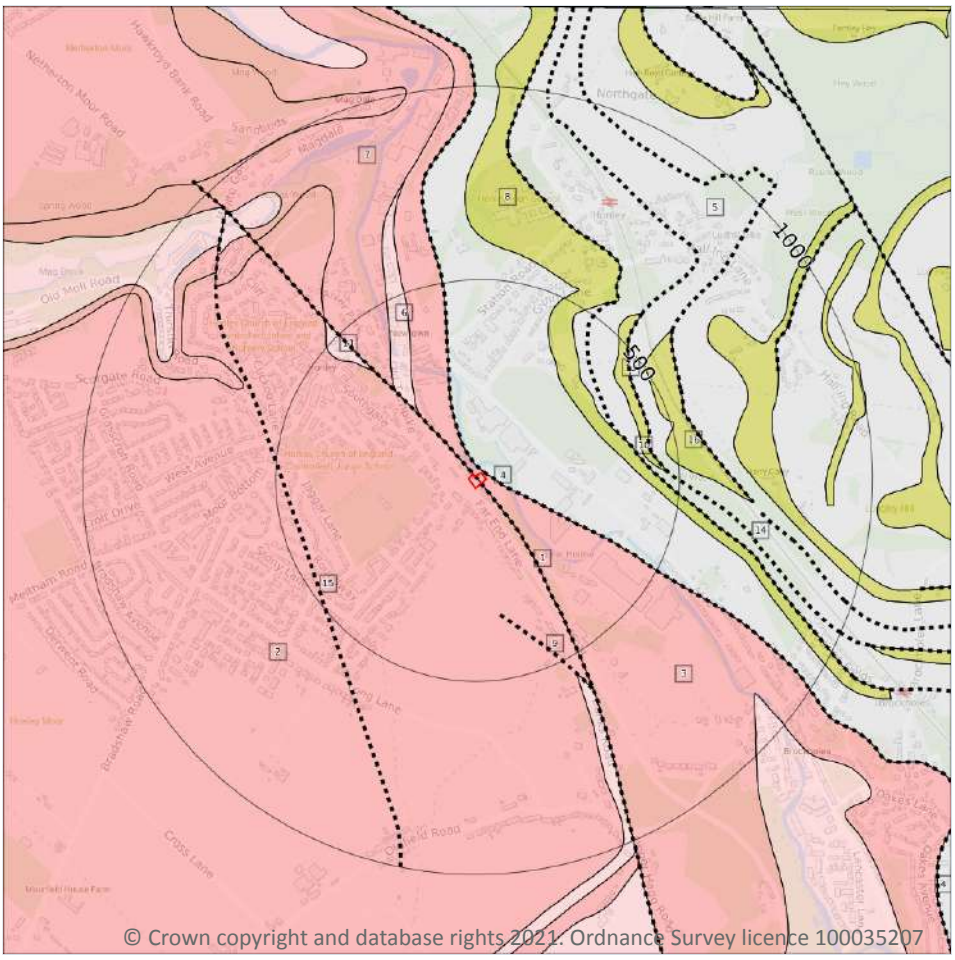
15.7 Landslip permeability (50k)

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	9

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
2	**On site**	**RR-SDST**	**ROUGH ROCK - SANDSTONE**	**NAMURIAN**
3	**On site**	**RR-SDST**	**ROUGH ROCK - SANDSTONE**	**NAMURIAN**
5	6m NE	PLCM-MDSS	PENNINE LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
6	206m NW	ROSSE-MDSI	ROSSENDALE FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
7	292m NW	RF-SDST	ROUGH ROCK FLAGS - SANDSTONE	NAMURIAN
8	301m NE	SBF-SDST	SOFT BED FLAGS - SANDSTONE	WESTPHALIAN
11	363m NW	ROSSE-MDSI	ROSSENDALE FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
12	410m E	MBR-SDST	MIDDLE BAND ROCK - SANDSTONE	WESTPHALIAN
16	472m E	PLCM-SDST	PENNINE LOWER COAL MEASURES FORMATION - SANDSTONE	WESTPHALIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	**Fracture**	**High**	**Moderate**
6m N	Fracture	High	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m **7**

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.

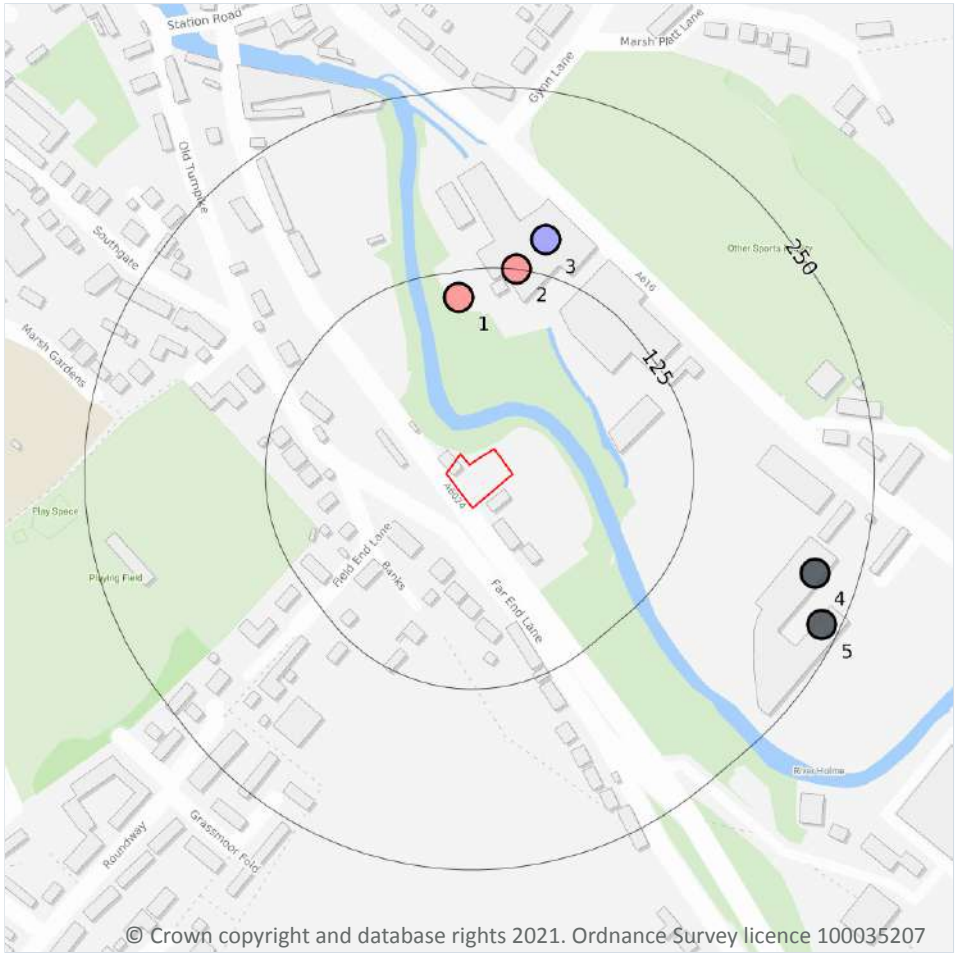
Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 100**

ID	Location	Category	Description
1	**On site**	**FAULT**	**Fault, inferred**
4	6m NE	FOSSIL_HORIZON	Marine band
9	333m S	FAULT	Fault, inferred
10	354m NE	ROCK	Coal seam, inferred

ID	Location	Category	Description
13	430m E	ROCK	Coal seam, observed
14	434m E	ROCK	Coal seam, inferred
15	457m W	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

16.1 BGS Boreholes

Records within 250m	5

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

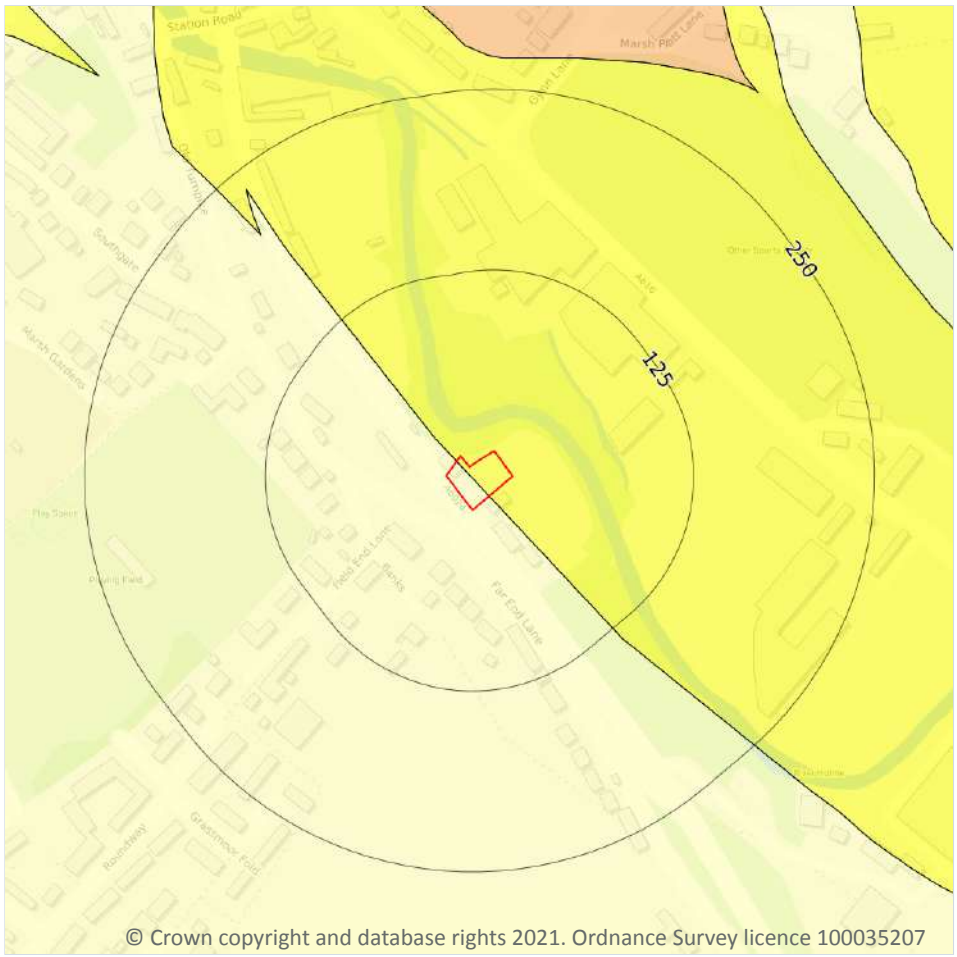
Features are displayed on the Boreholes map on **page 103**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	107m N	414250 411820	CROSSLEY MILLS HONLEY B	76.2	N	41514
2	125m N	414290 411840	CROSSLEY MILLS HONLEY A	190.5	N	41513
3	149m N	414310 411860	CROSSLEY MILLS HONLEY C	-2.0	N	41515

ID	Location	Grid reference	Name	Length	Confidential	Web link
4	220m E	414496 411630	NEILEY WORKS HONLEY NR HUDDERSFIELD 1	-	Y	N/A
5	238m SE	414501 411594	NEILEY WORKS HONLEY NR HUDDERSFIELD 3	-	Y	N/A

This data is sourced from the British Geological Survey.

17 Natural ground subsidence - Shrink swell clays



Site Outline

Search buffers in metres (m)

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

17.1 Shrink swell clays

Records within 50m	2

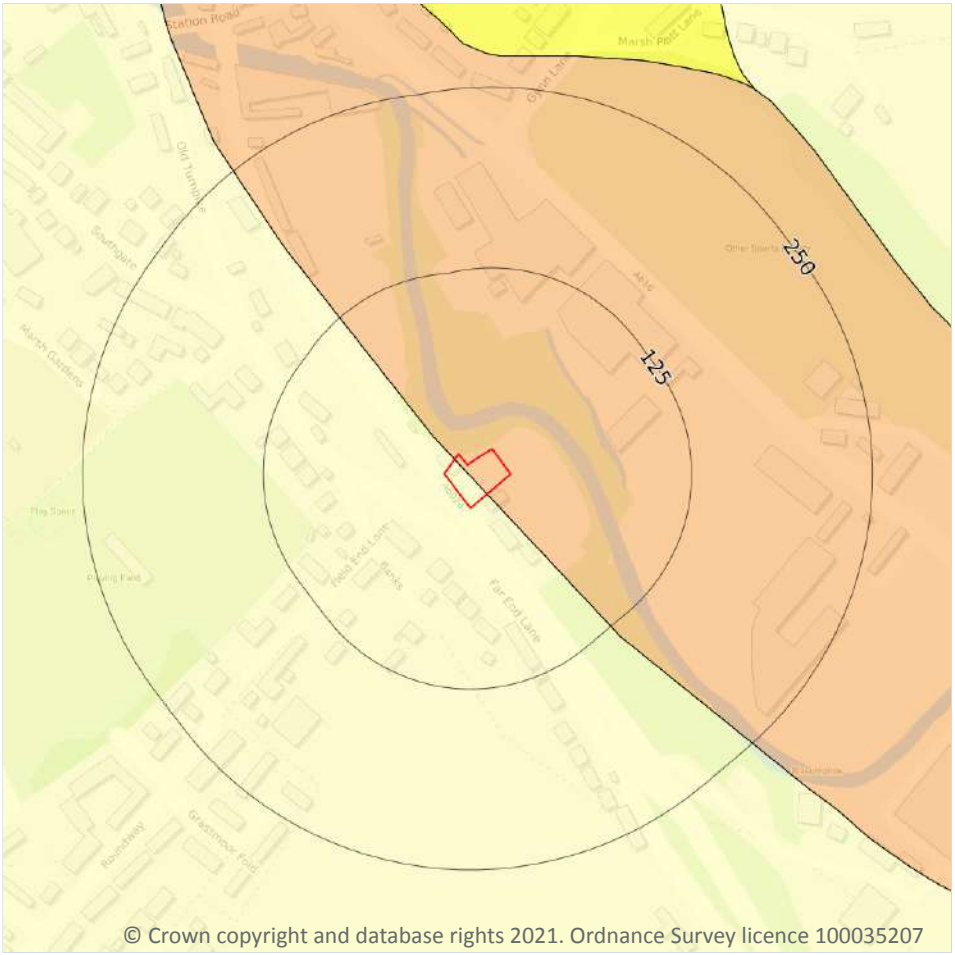
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 105**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



Site Outline

Search buffers in metres (m)

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

17.2 Running sands

Records within 50m	2

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

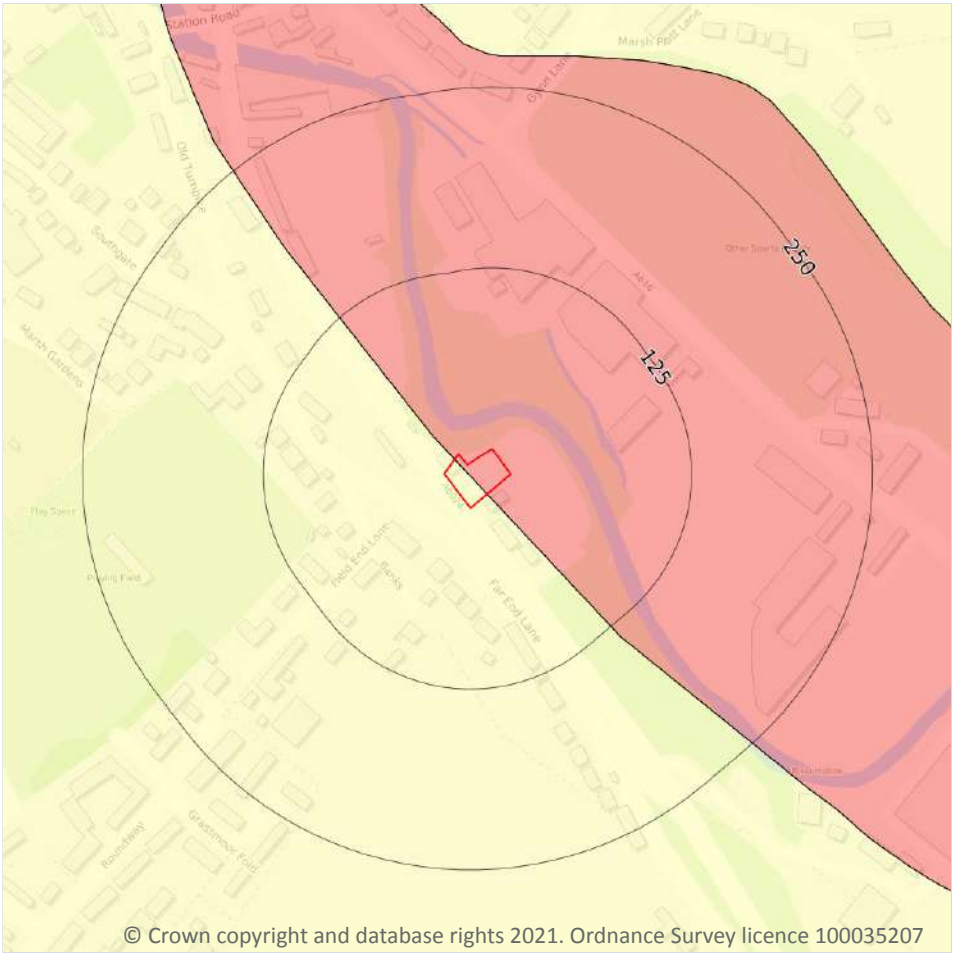
Features are displayed on the Natural ground subsidence - Running sands map on **page 106**

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.**

This data is sourced from the British Geological Survey.

Natural ground subsidence - Compressible deposits



Site Outline

Search buffers in metres (m)

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

17.3 Compressible deposits

Records within 50m	2

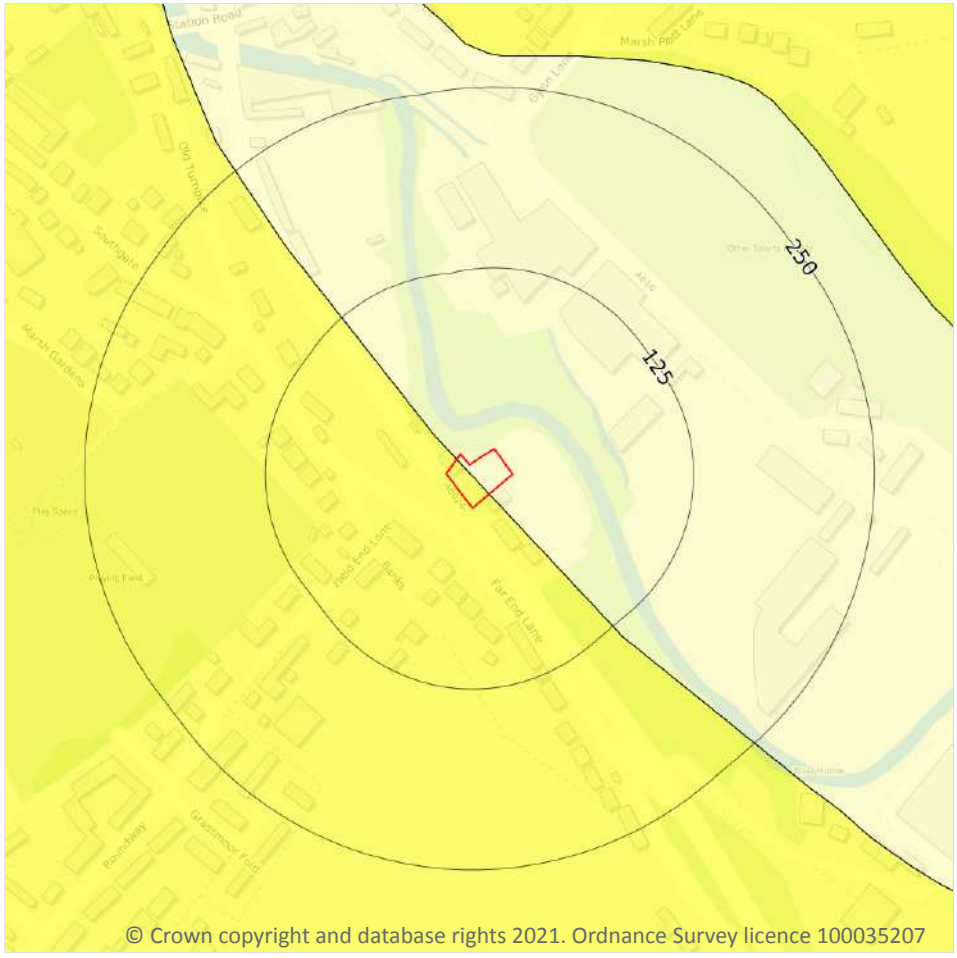
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 108**

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

This data is sourced from the British Geological Survey.

Natural ground subsidence - Collapsible deposits



Site Outline

Search buffers in metres (m)

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

17.4 Collapsible deposits

Records within 50m	2

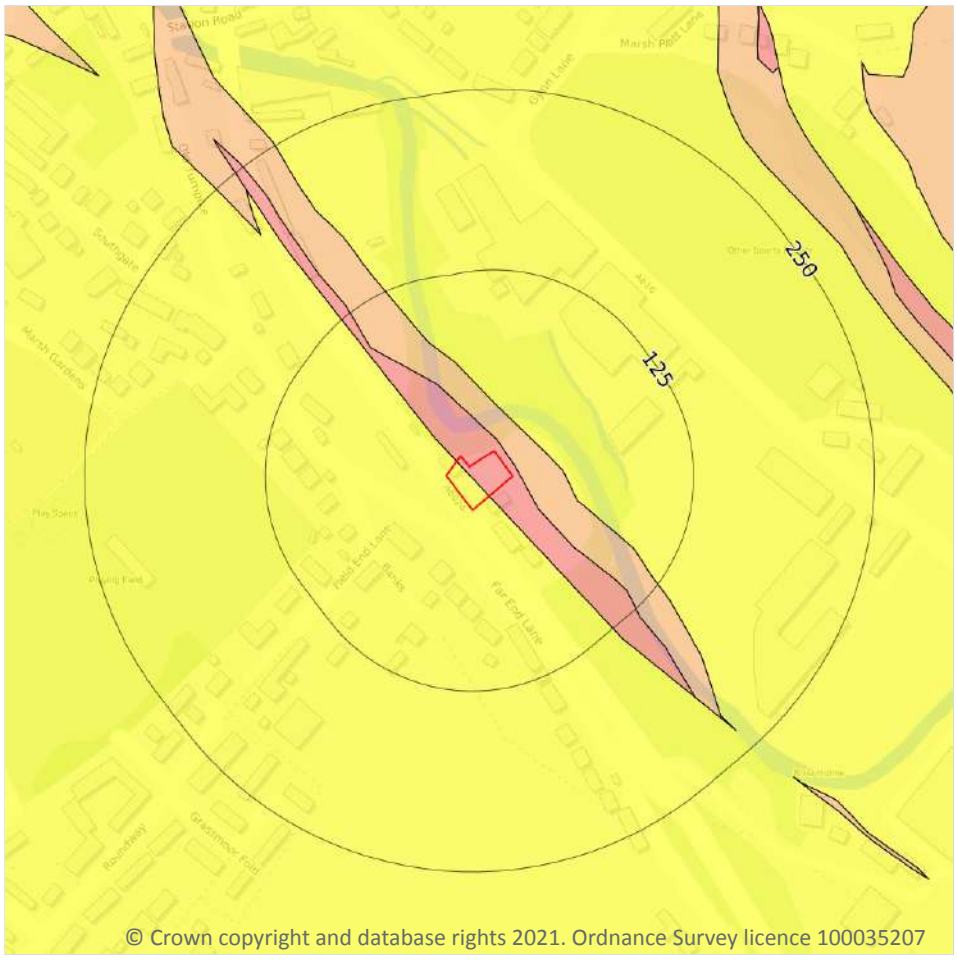
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 110**

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



Site Outline

Search buffers in metres (m)

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

17.5 Landslides

Records within 50m	3

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.

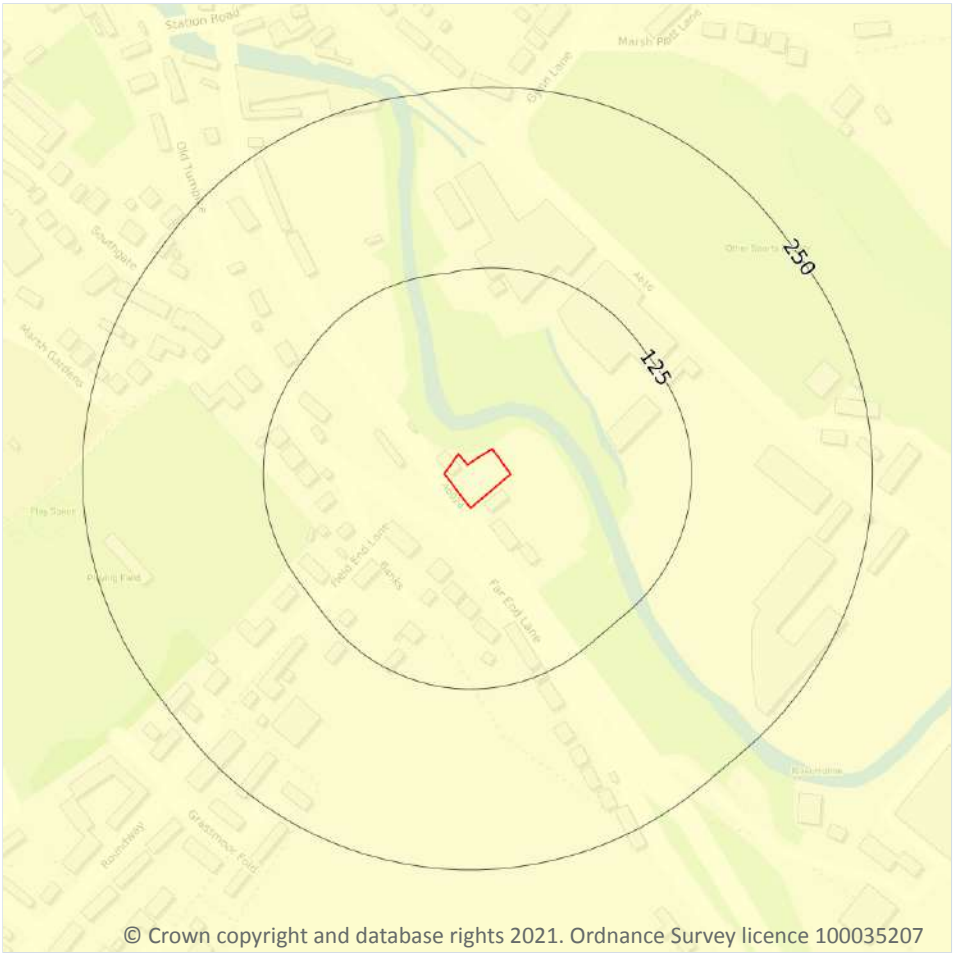
Features are displayed on the Natural ground subsidence - Landslides map on **page 111**

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	**Moderate**	**Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.**
5m NE	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Ground dissolution of soluble rocks



Site Outline

Search buffers in metres (m)

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

17.6 Ground dissolution of soluble rocks

Records within 50m	1

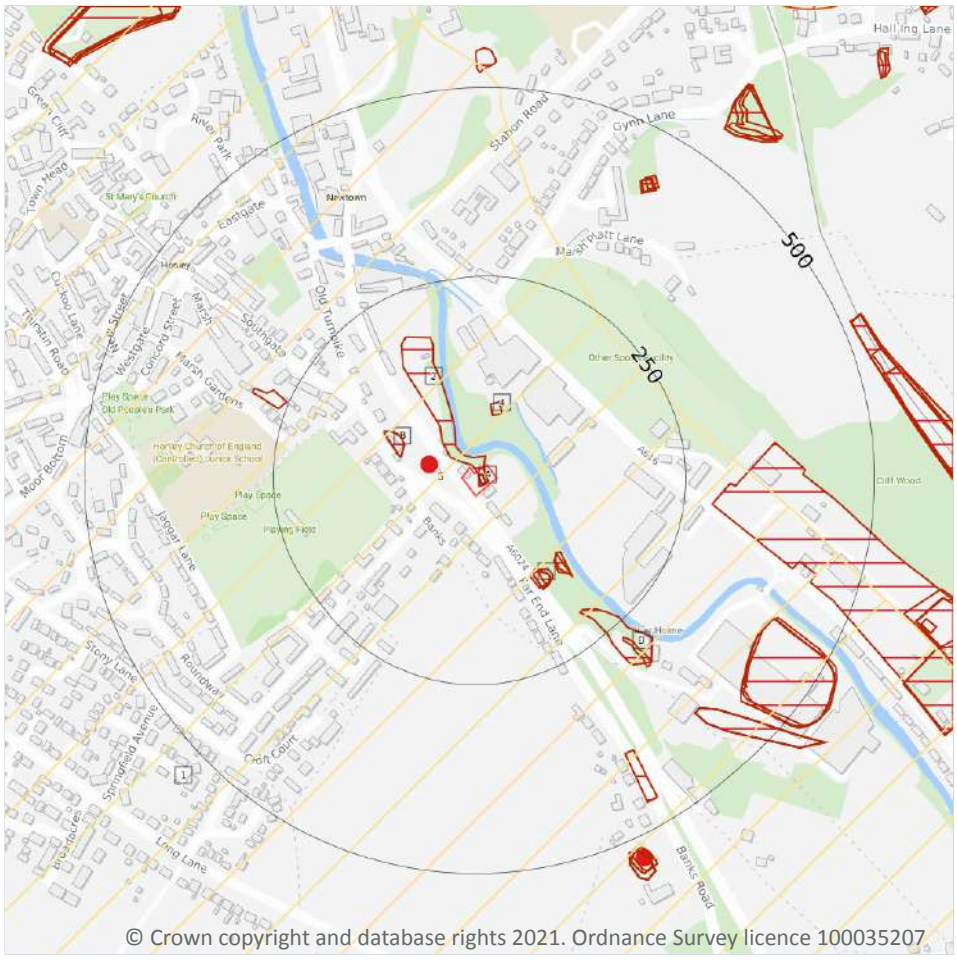
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 113**

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, ground workings and natural cavities



Site Outline

Search buffers in metres (m)

- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities

Non Coal Mining

- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 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.

18.2 BritPits

Records within 500m	1

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, ground workings and natural cavities map on **page 115**

ID	Location	Details	Description
3	47m NW	Name: Honley Address: Honley, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m	13

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, ground workings and natural cavities map on **page 115**

ID	Location	Land Use	Year of mapping	Mapping scale
2	**On site**	**Unspecified Ground Workings**	**1951**	**1:10560**
A	**On site**	**Unspecified Heap**	**1938**	**1:10560**
A	**On site**	**Unspecified Heap**	**1938**	**1:10560**
4	66m N	Reservoir	1984	1:10000
B	86m W	Unspecified Heap	1938	1:10560
B	86m W	Unspecified Heap	1938	1:10560
C	125m SE	Unspecified Pit	1949	1:10560
C	126m SE	Unspecified Pit	1904	1:10560
C	127m SE	Unspecified Heap	1951	1:10560
C	127m SE	Unspecified Pit	1949	1:10560

ID	Location	Land Use	Year of mapping	Mapping scale
C	128m SE	Unspecified Heap	1938	1:10560
C	128m SE	Unspecified Heap	1938	1:10560
D	207m SE	Refuse Heap	1969	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m	**3**

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, ground workings and natural cavities map on **page 115**

ID	Location	Land Use	Year of mapping	Mapping scale
-	914m N	Tunnel	1948	1:10560
-	914m N	Tunnel	1905	1:10560
-	914m N	Tunnel	1888	1:10560

This is data is sourced from Ordnance Survey/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	**3**

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

Features are displayed on the Mining, ground workings and natural cavities map on **page 115**

ID	Location	Name	Commodity	Class	Likelihood
1	**On site**	**Not available**	**Vein Mineral**	**A**	**Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered**
9	716m NE	Royal Edge Mine	Ganister	D	Underground mining is known or considered likely to have occurred within or close to the area. Potential for difficult ground conditions are at a level where they should be considered
-	807m SE	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m	**0**

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

This data is sourced from Stantec UK Ltd.

18.8 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.

18.9 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.

18.10 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.

18.11 Gypsum areas

Records on site	0

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.12 Tin mining

Records on site	0

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

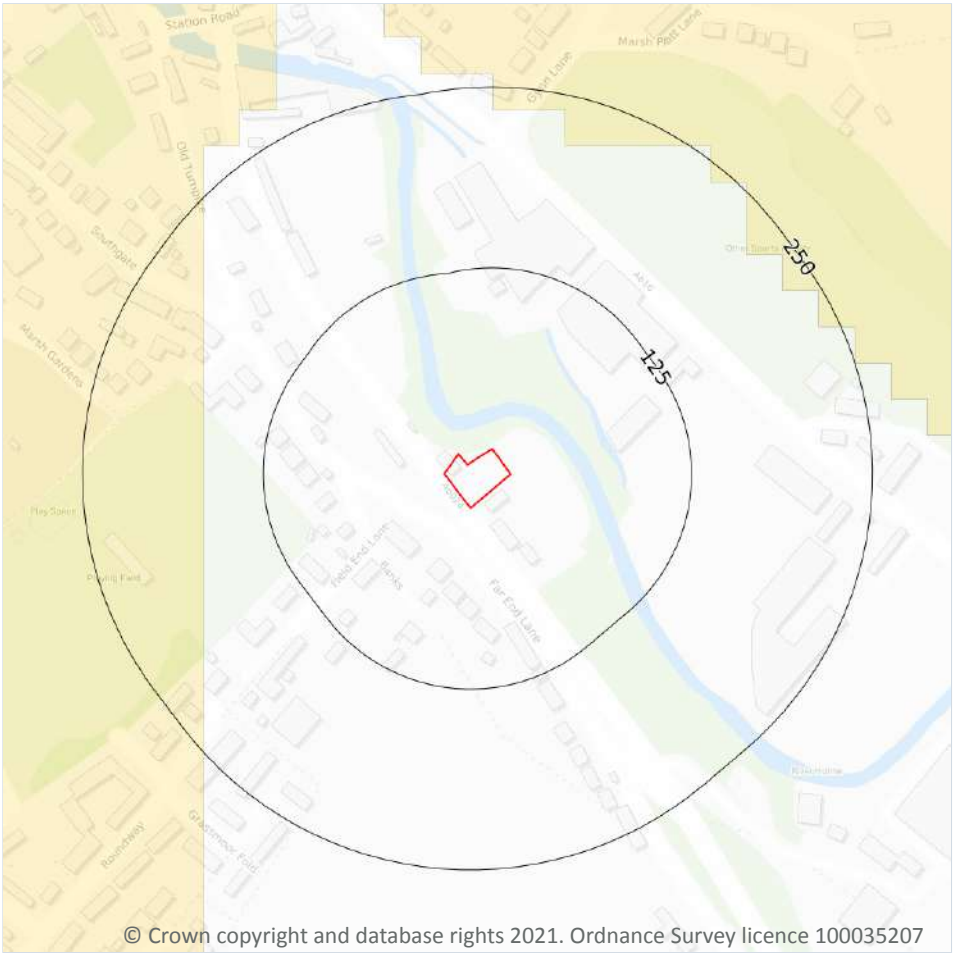
18.13 Clay mining

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 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%

19.1 Radon

Records on site	1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 120**

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

This data is sourced from the British Geological Survey and Public Health England.

20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m	2

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	**15 - 25 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**60 - 90 mg/kg**	**15 - 30 mg/kg**
On site	**15 mg/kg**	**No data**	**100 mg/kg**	**60 mg/kg**	**1.8 mg/kg**	**40 - 60 mg/kg**	**15 mg/kg**

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

20.3 BGS Measured Urban Soil Chemistry

Records within 50m	0

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

This data is sourced from the British Geological Survey.

21 Railway infrastructure and projects

21.1 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.

21.2 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.

21.3 Railway tunnels

Records within 250m	0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m	0

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

This data is sourced from Ordnance Survey/Groundsure.

21.5 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.

21.6 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.

21.7 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.

21.8 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.

21.9 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.

21.10 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-jan-2020/.

APPENDIX 4

COAL MINING CONSULTANTS REPORT

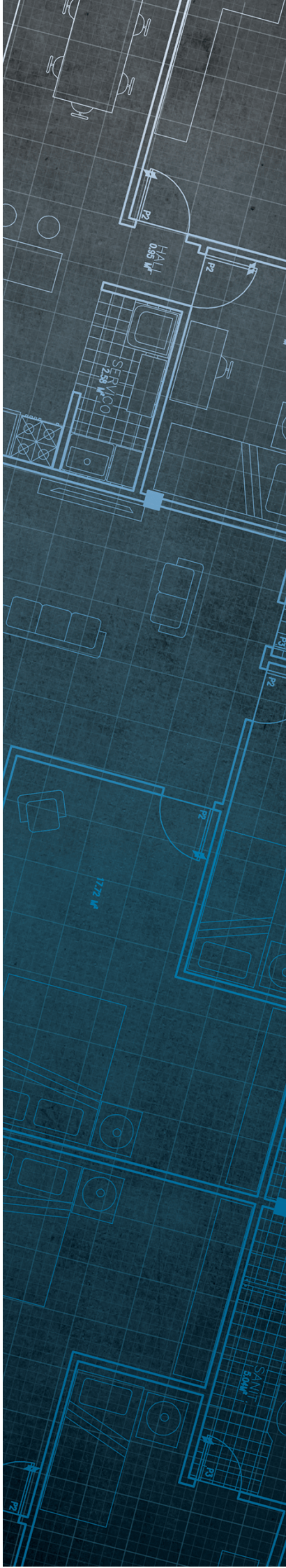
The Coal Authority

Consultants

Coal Mining Report

71, Woodhead Road, Honley,
Holmfirth, Hd9 6pp
West Yorkshire

Date of enquiry:	**9 September 2021**
Date enquiry received:	**9 September 2021**
Issue date:	**9 September 2021**
Our reference:	**51002674251001**
Your reference:	**GS-8178299**



Consultants

Coal Mining Report

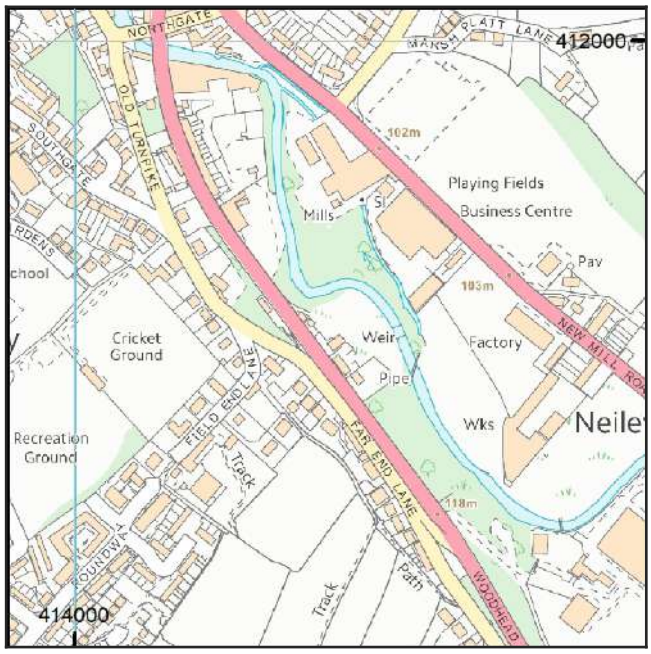
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

GROUNDSURE LIMITED

Enquiry address

71, Woodhead Road, Honley, Holmfirth, Hd9 6pp
West Yorkshire



Approximate position of property

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

@coalauthority
/company/the-coal-authority
/thecoalauthority
/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining
No past mining recorded.

Probable unrecorded shallow workings
None.

Spine roadways at shallow depth
No spine roadway recorded at shallow depth.

Mine entries
None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers
The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

PO0		

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops
No outcrops recorded.

Geological faults, fissures and breaklines
No faults, fissures or breaklines recorded.

Opencast mines
None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips
None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations
None recorded within 50 metres of the enquiry boundary.

Remediated sites
None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence
The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

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

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas
None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes
None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

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

Withdrawal of support notices
The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

Based on the responses in this report, no further information has been highlighted.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk.**

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines
Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips
Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations
Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites
Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence
Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas
Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes
Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining
Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing
Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders
Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices
Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

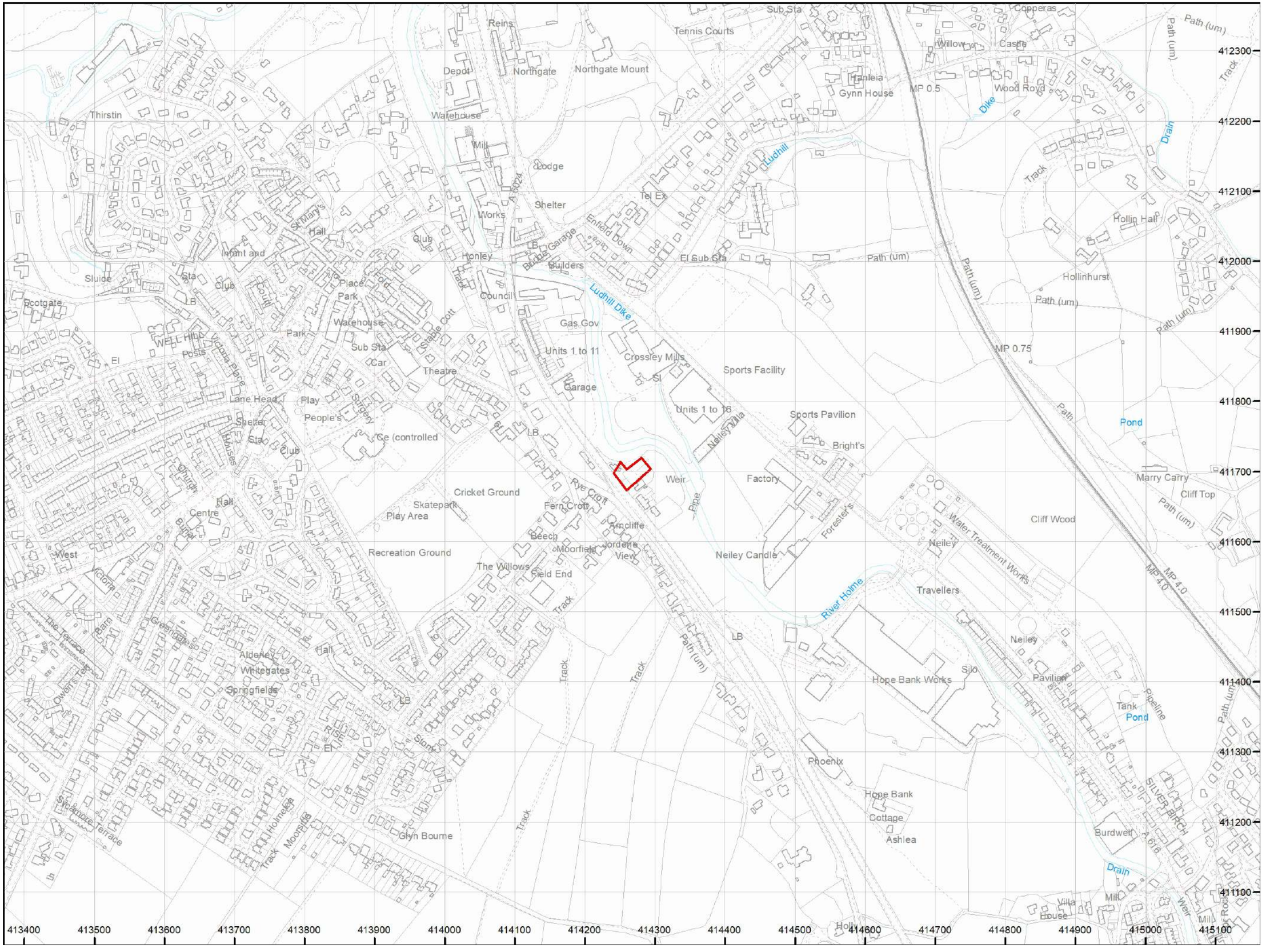
The Coal Authority

Summary of findings

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

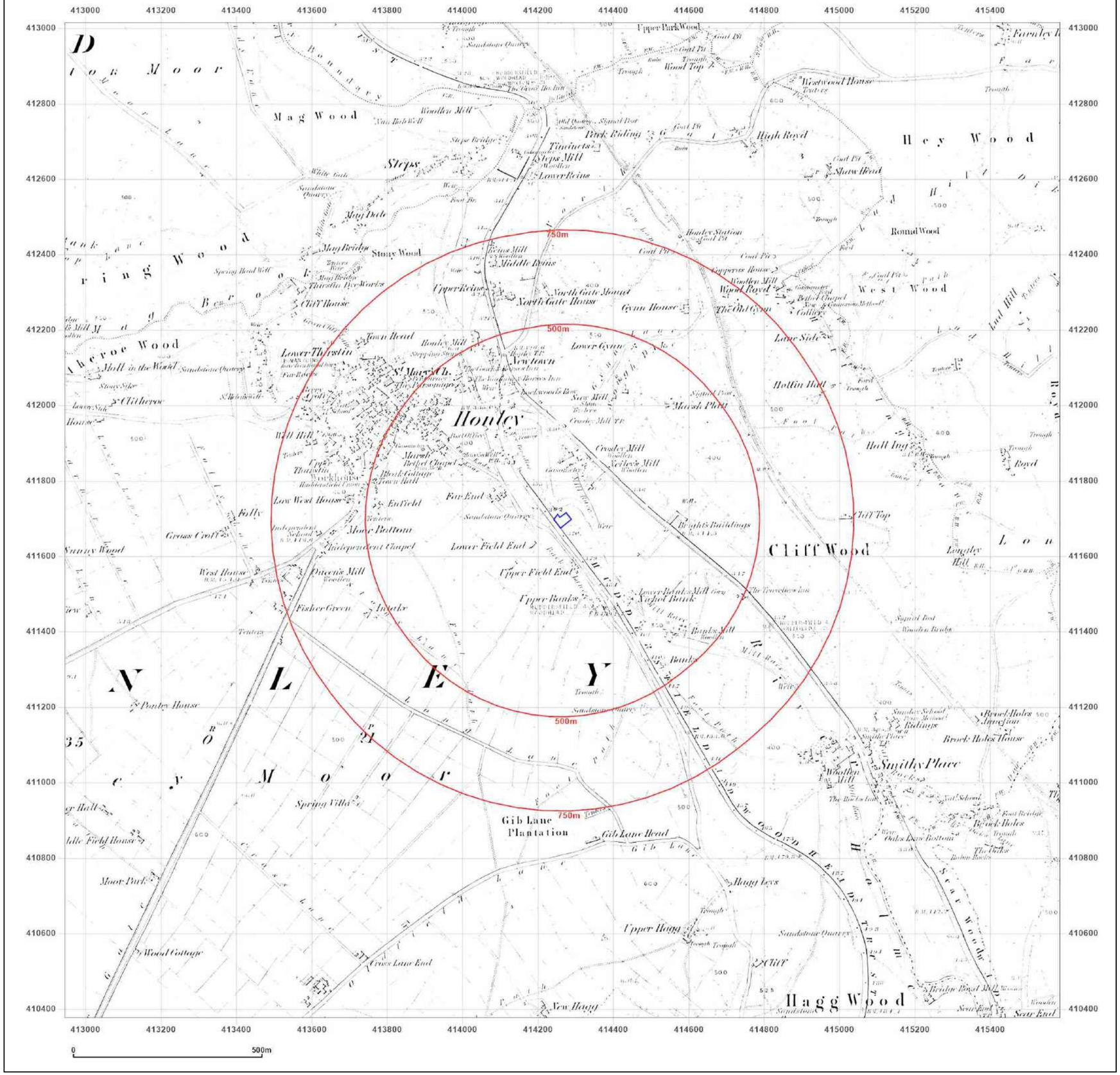
Approximate position of the enquiry boundary shown



How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com

APPENDIX 5

HISTORICAL ORDNANCE SURVEY MAPS



Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1854**

Scale: 1:10,560

Printed at: 1:10,560

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

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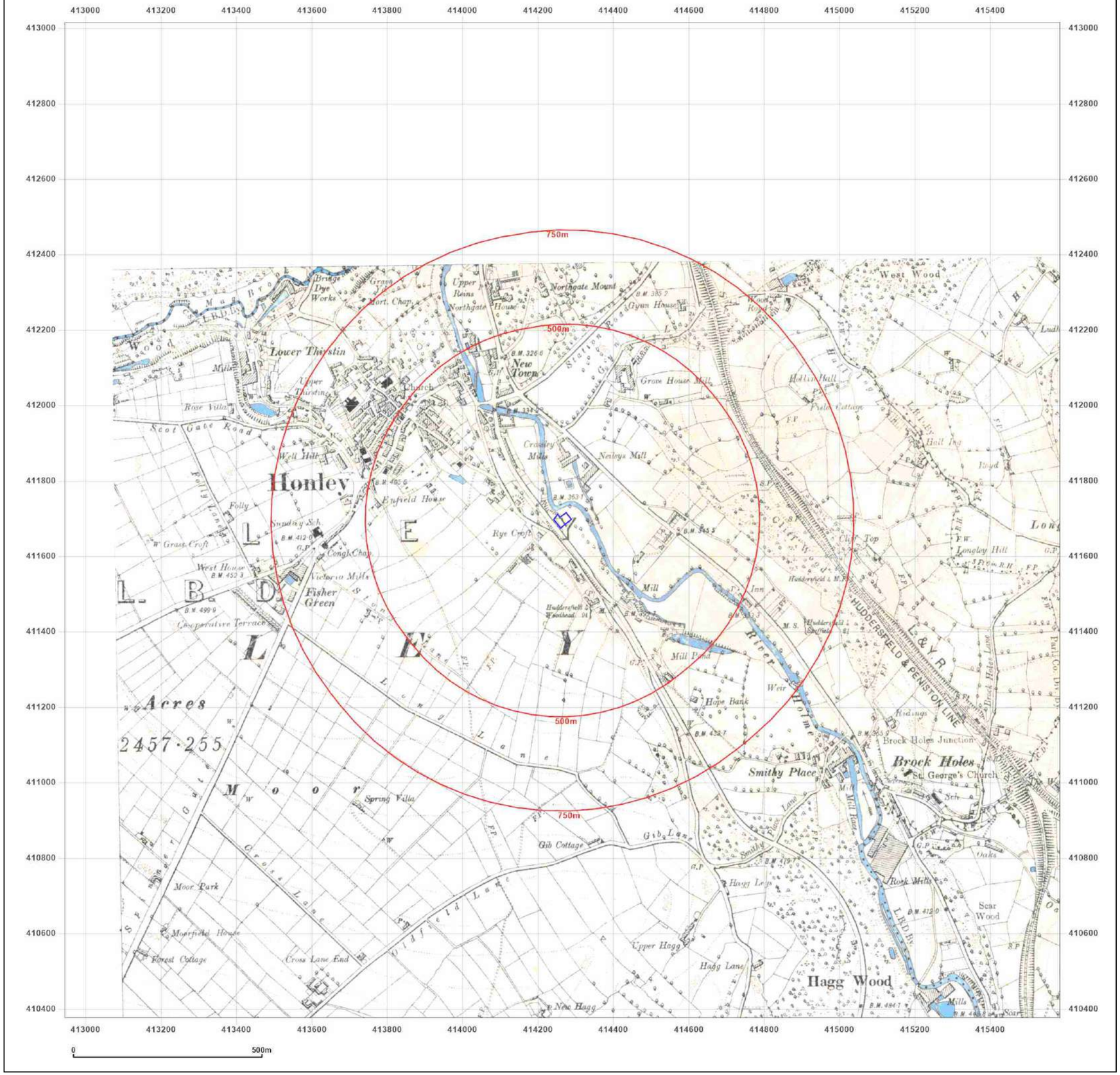

Groundsure INSIGHTS

Site Details:

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Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

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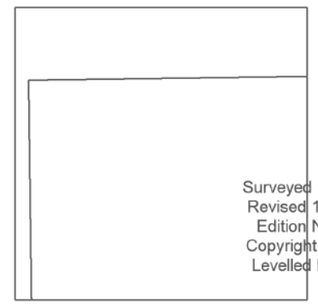

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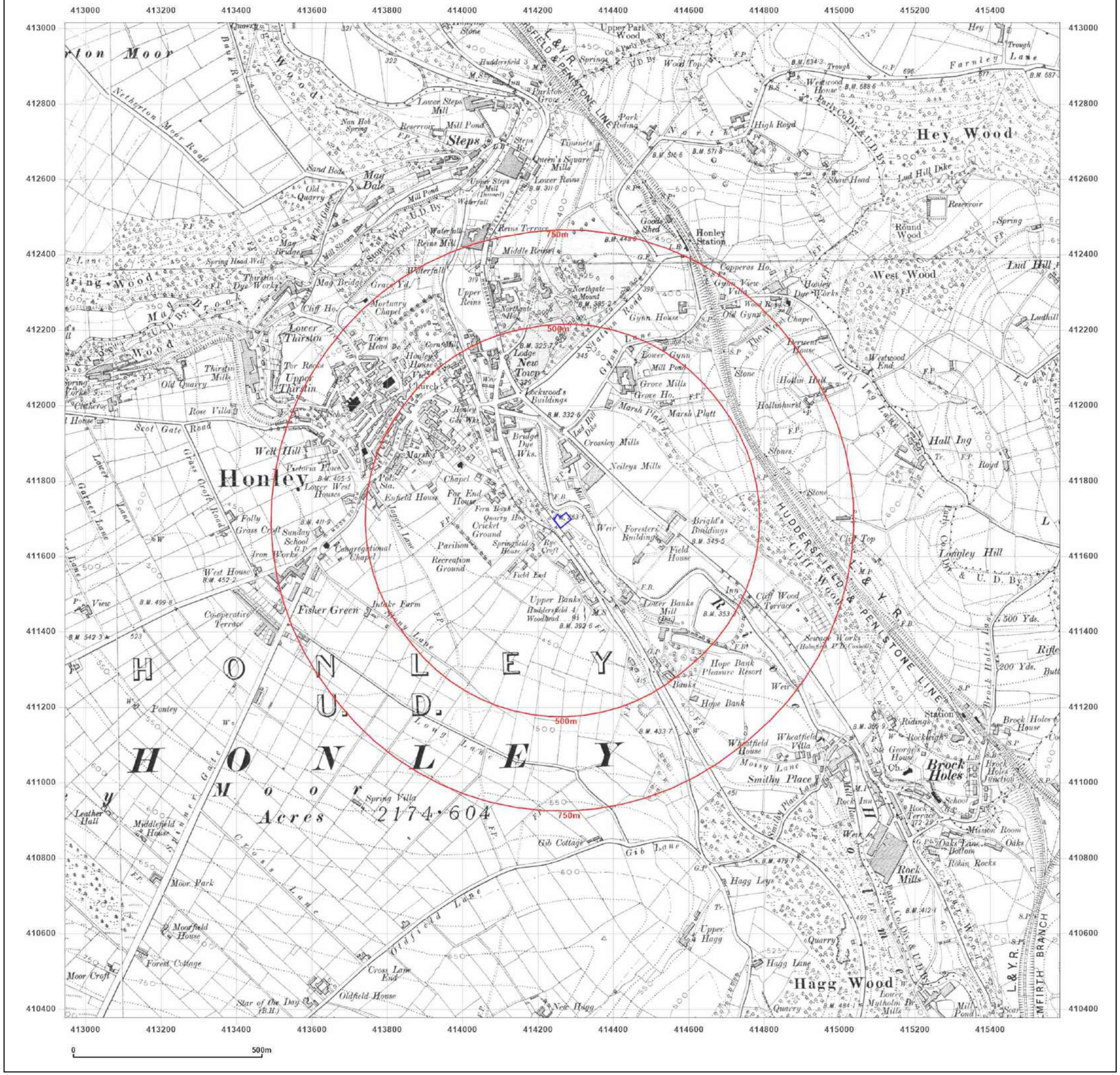

Groundsure INSIGHTS

Site Details:

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6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1904-1905**

Scale: 1:10,560

Printed at: 1:10,560

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Surveyed 1888
Revised 1905
Edition N/A
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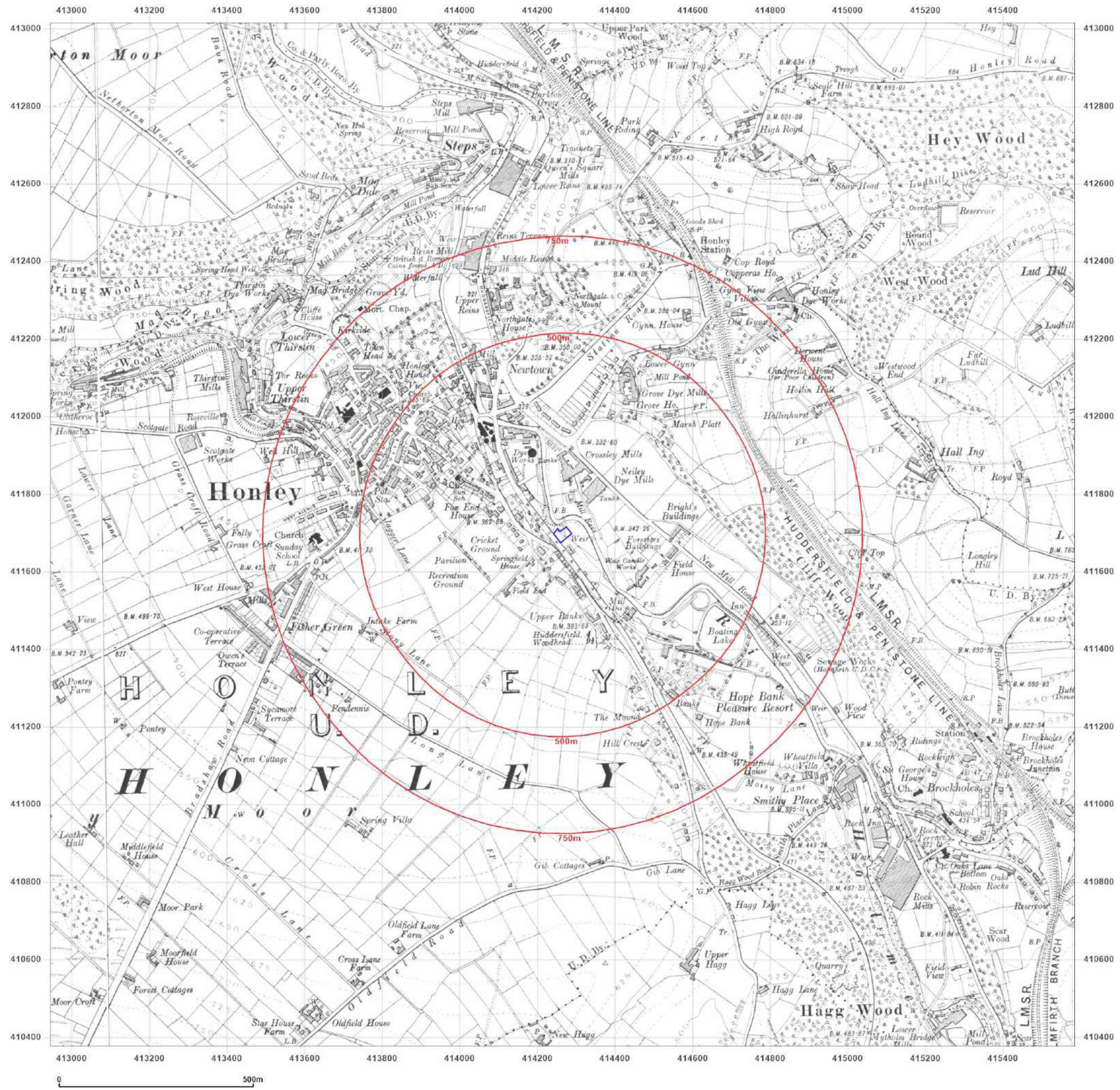

Groundsure INSIGHTS

Site Details:

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HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1929-1933**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1851
Revised 1930
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Edition 1933
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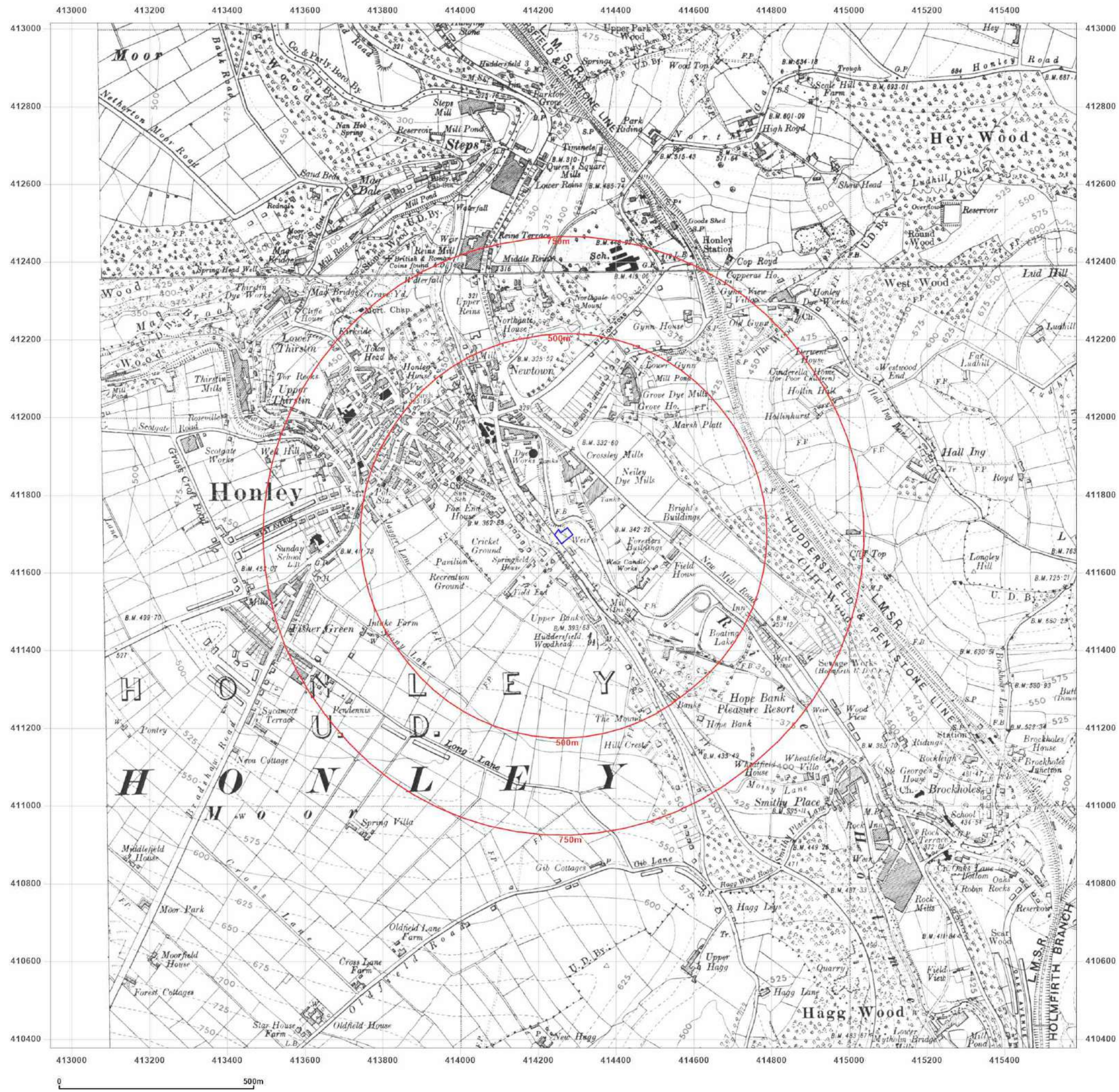

Groundsure INSIGHTS

Site Details:

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Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1938**

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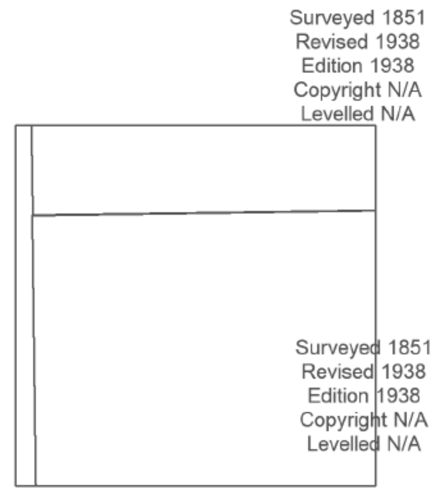

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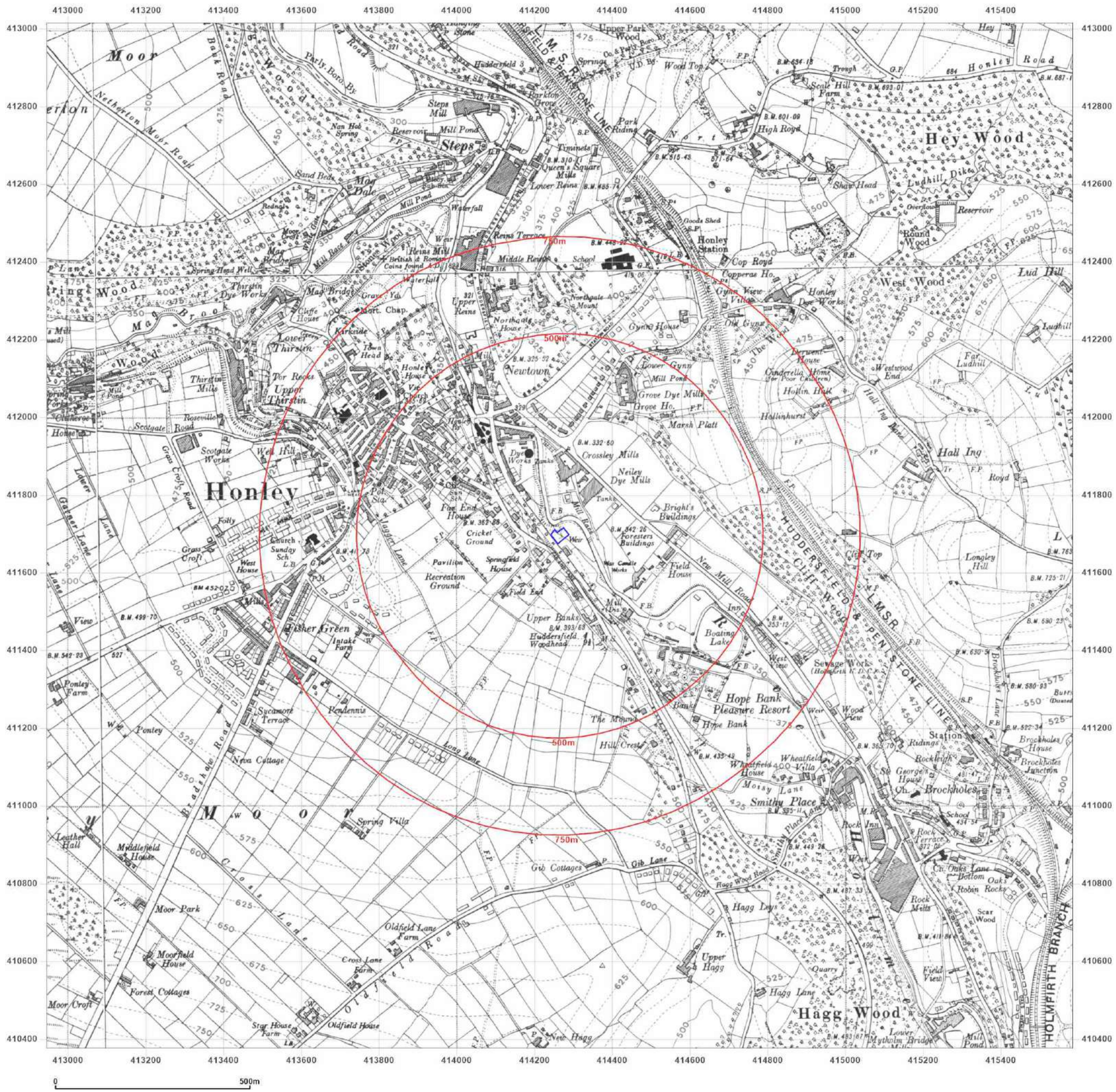

Site Details:

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6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1948-1949**

Scale: 1:10,560

Printed at: 1:10,560

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Edition N/A
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Revised 1948
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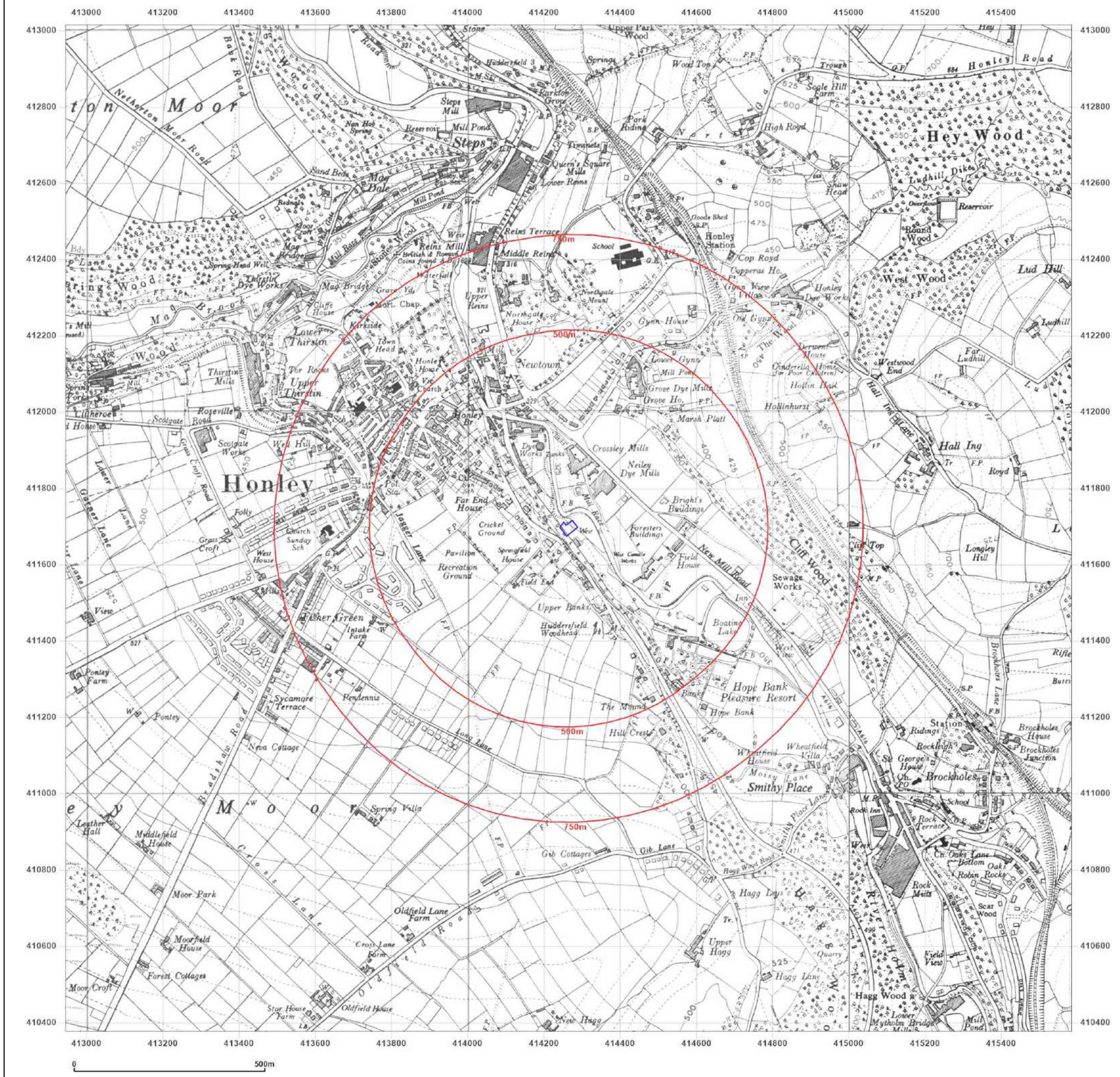

Groundsure INSIGHTS

Site Details:

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HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: Provisional

Map date: **1955-1956**

Scale: 1:10,560

Printed at: 1:10,560

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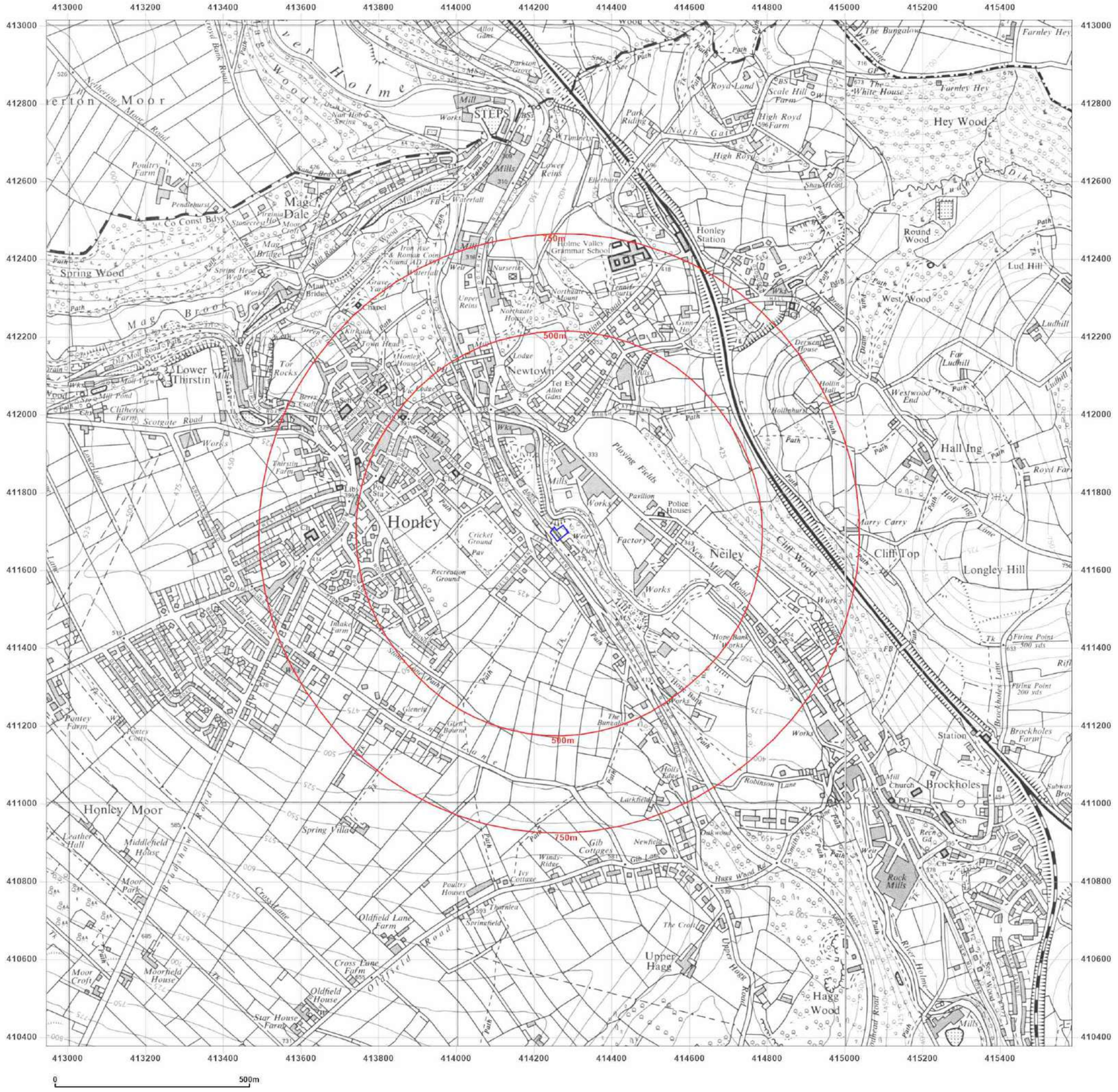

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: Provisional

Map date: **1968-1969**

Scale: 1:10,560

Printed at: 1:10,560

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

Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

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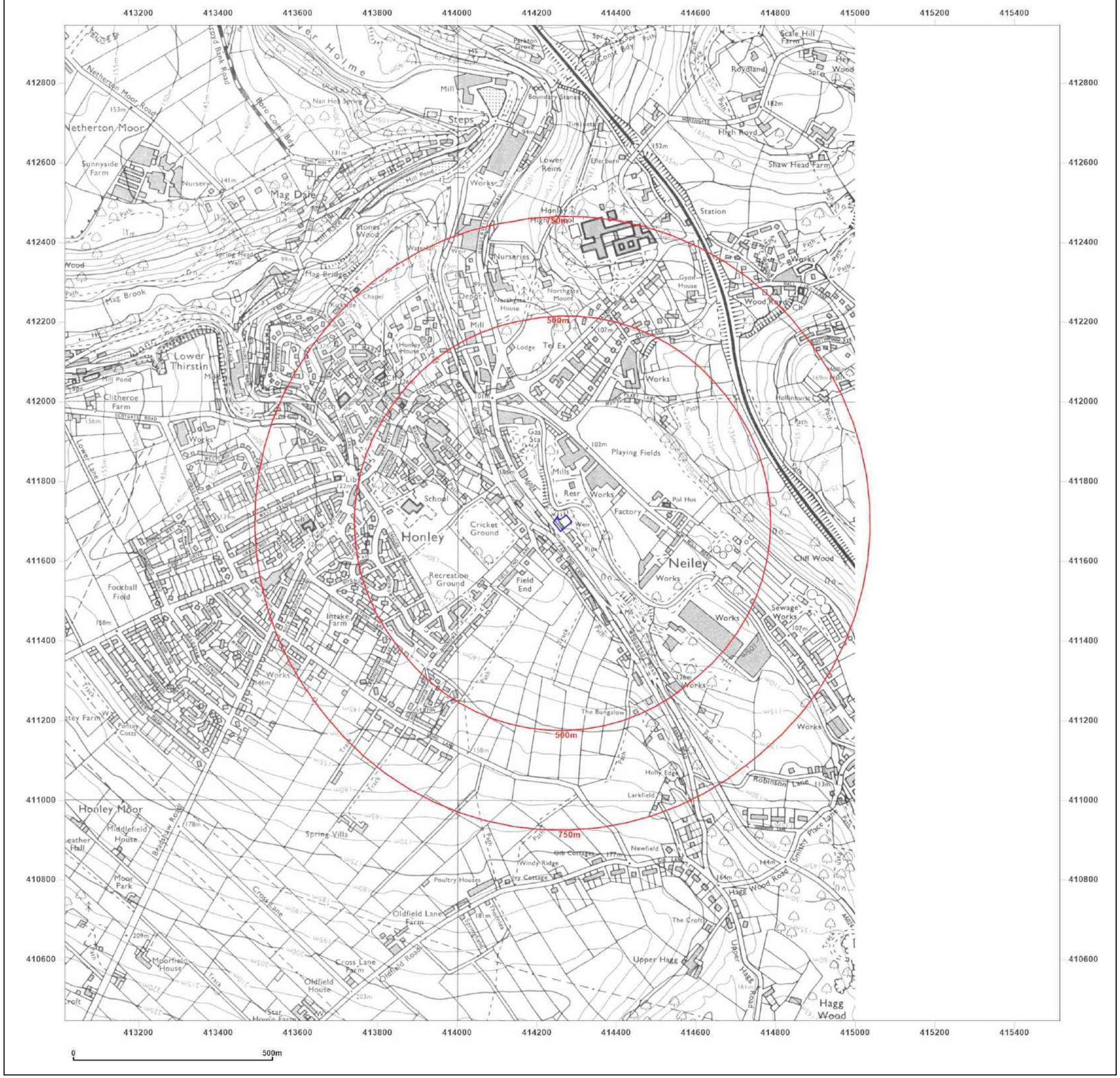

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1984**

Scale: 1:10,000

Printed at: 1:10,000

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

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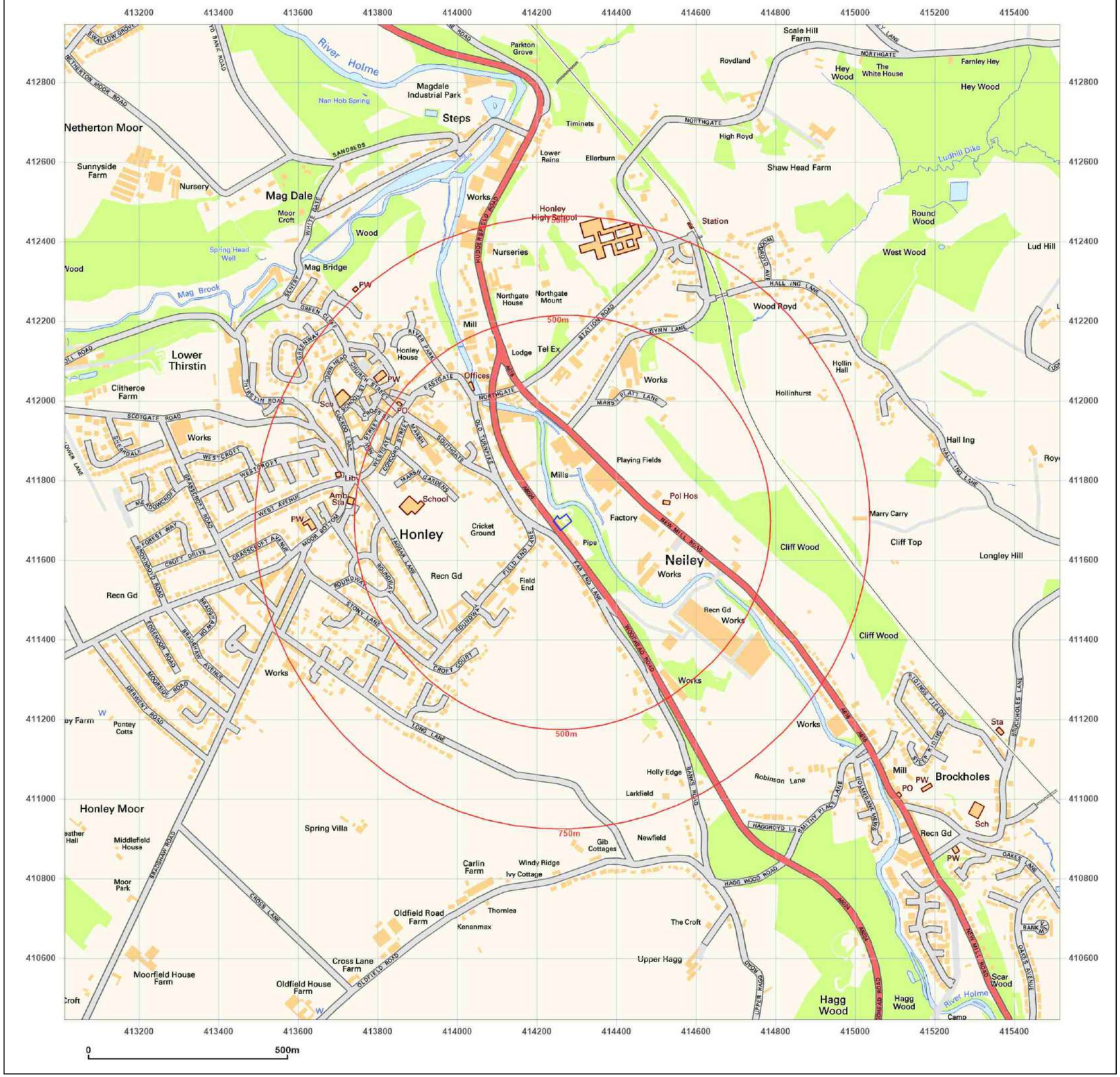

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD, HONLEY, HOLMFIRTH, HD9 6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

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

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2001

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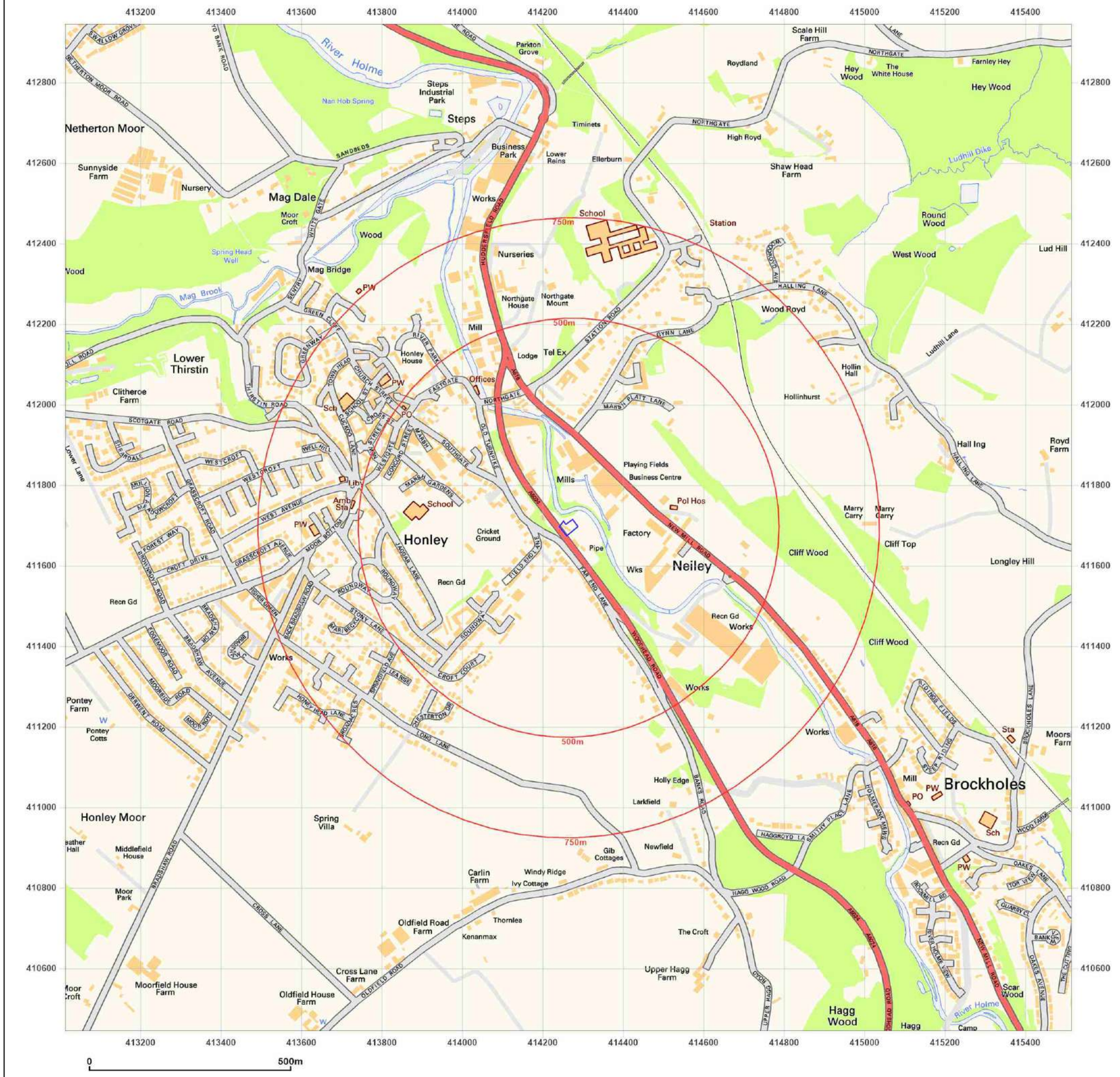

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD, HONLEY, HOLMFIRTH, HD9 6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

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

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2010

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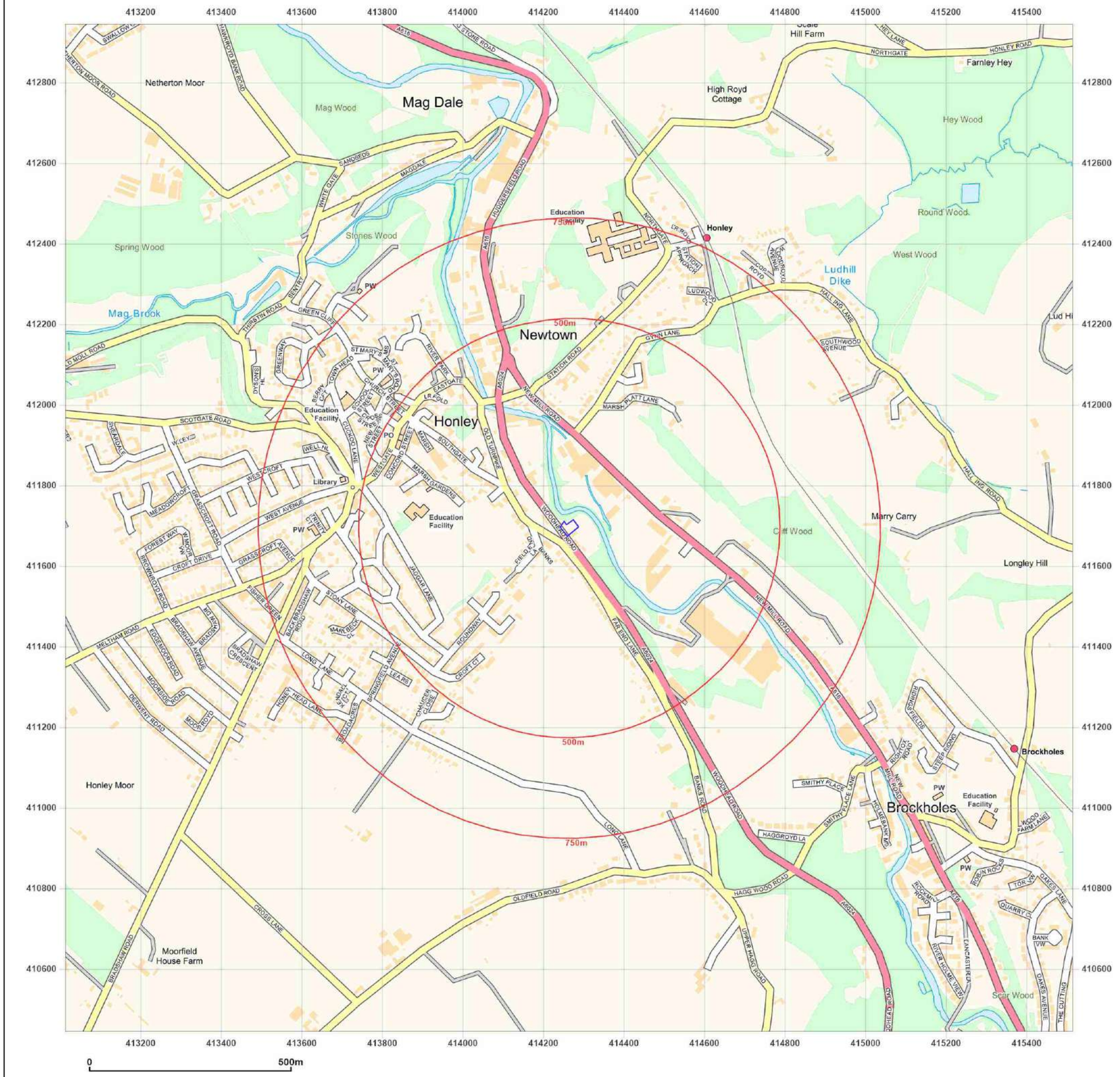

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD, HONLEY, HOLMFIRTH, HD9 6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **2021**

Scale: 1:10,000

Printed at: 1:10,000

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2021

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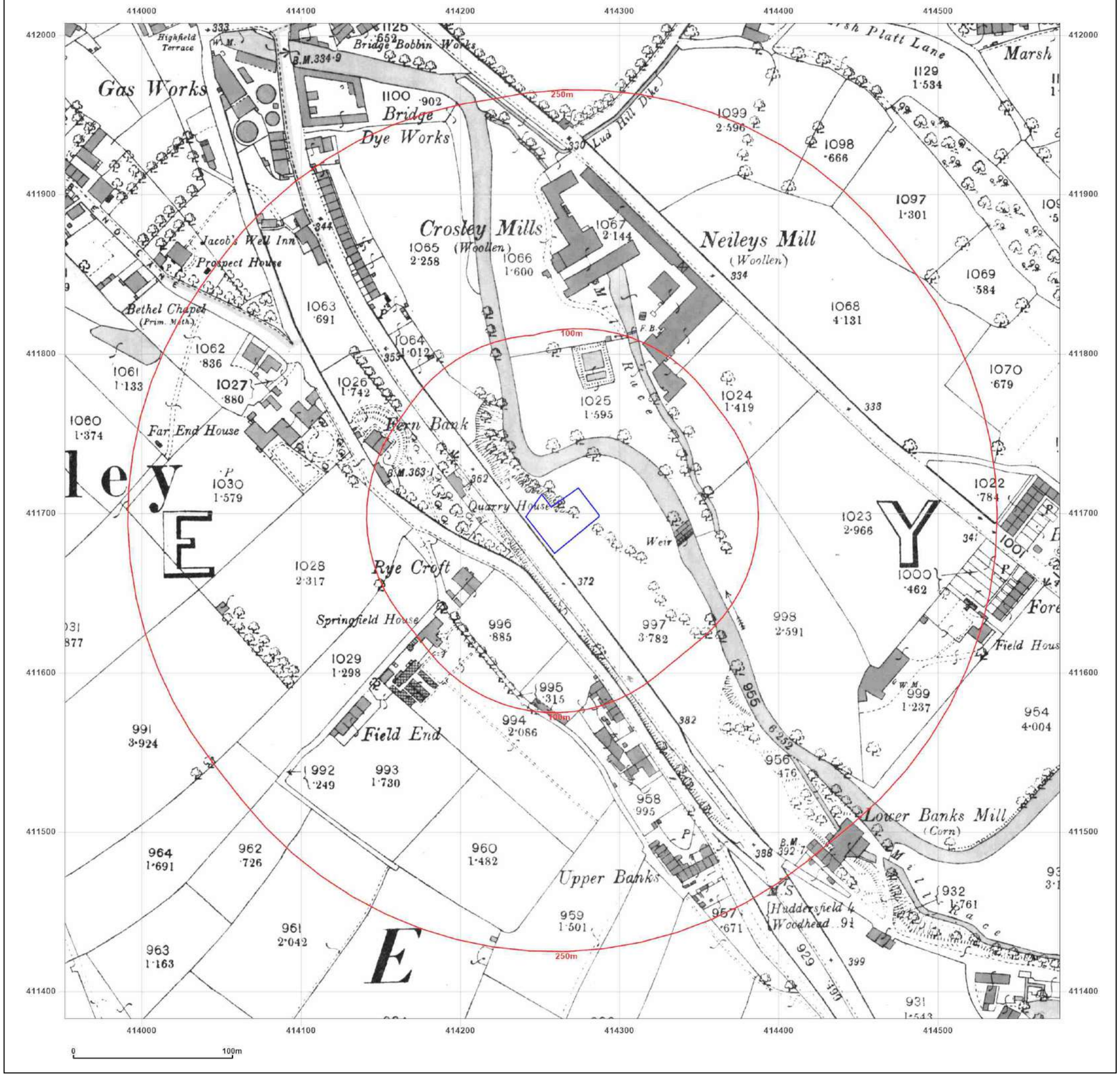

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1892**

Scale: 1:2,500

Printed at: 1:2,500

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

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Production date: 08 September 2021

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Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1906**

Scale: 1:2,500

Printed at: 1:2,500

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

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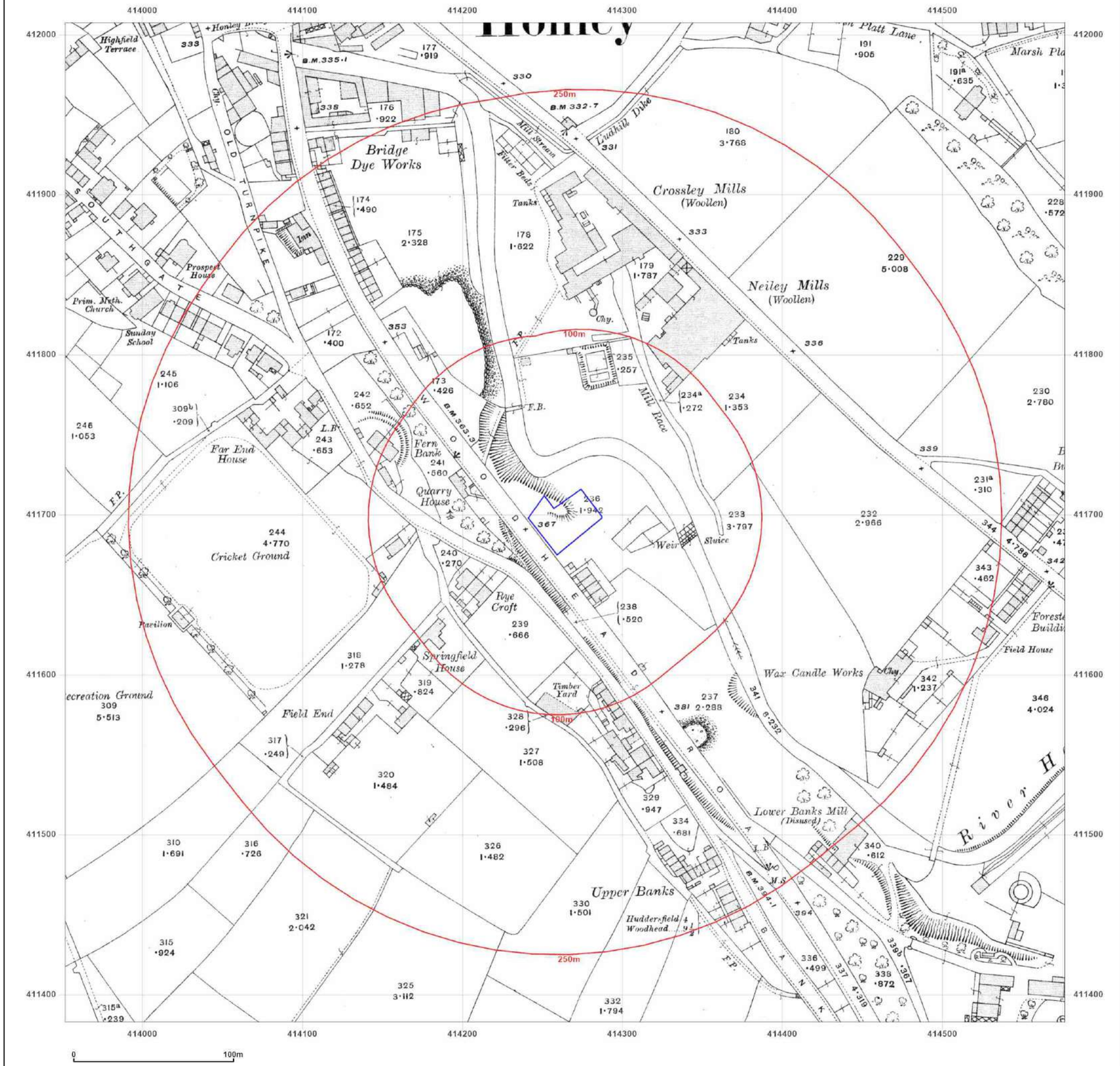

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: County Series

Map date: **1913**

Scale: 1:2,500

Printed at: 1:2,500

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

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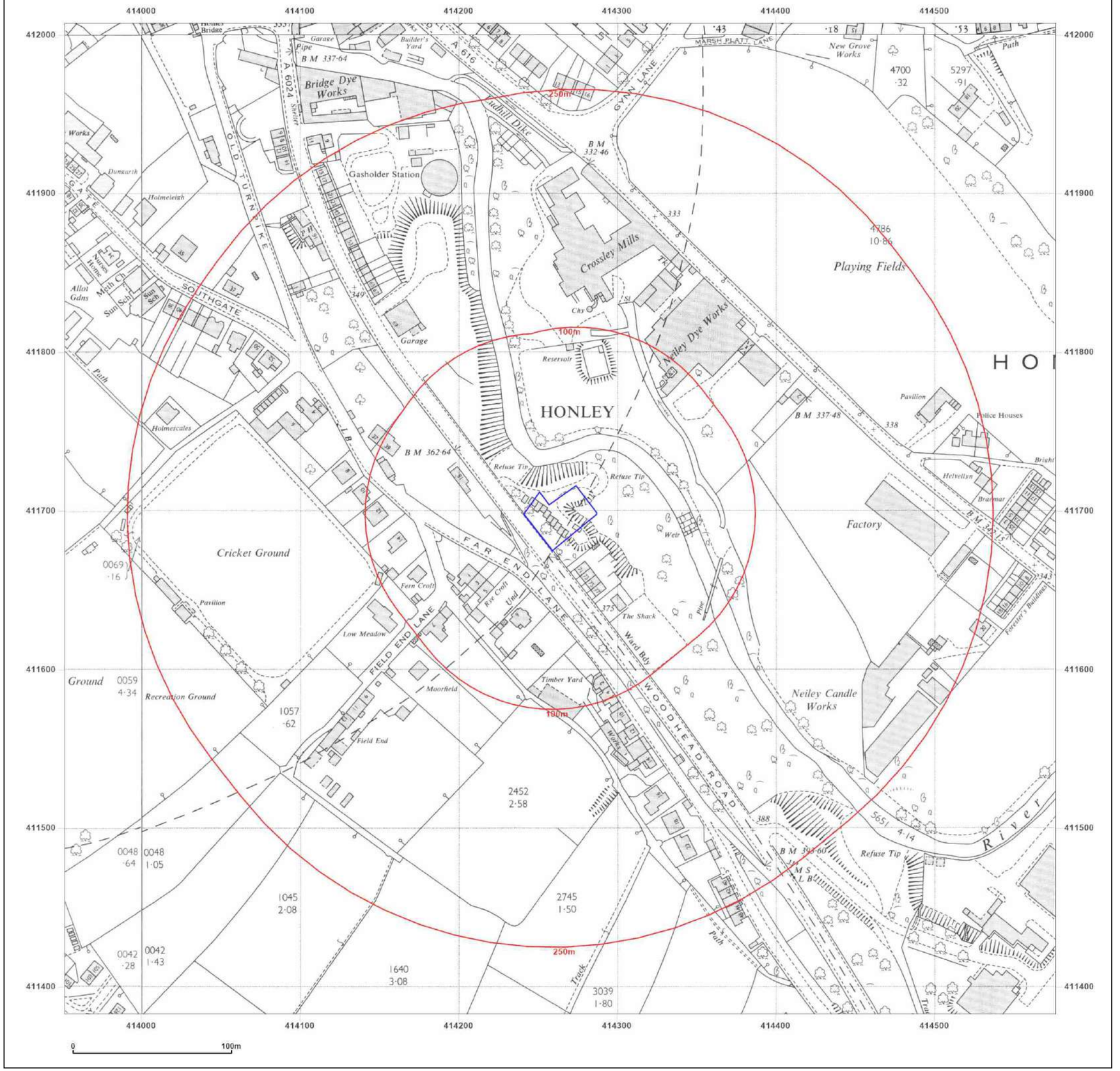

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1961-1965**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1961
Revised 1961
Edition N/A
Copyright 1963
Levelled 1959

Surveyed 1961
Revised 1961
Edition N/A
Copyright 1963
Levelled 1959

Surveyed 1965
Revised 1965
Edition N/A
Copyright 1966
Levelled 1959

Surveyed 1965
Revised 1965
Edition N/A
Copyright 1966
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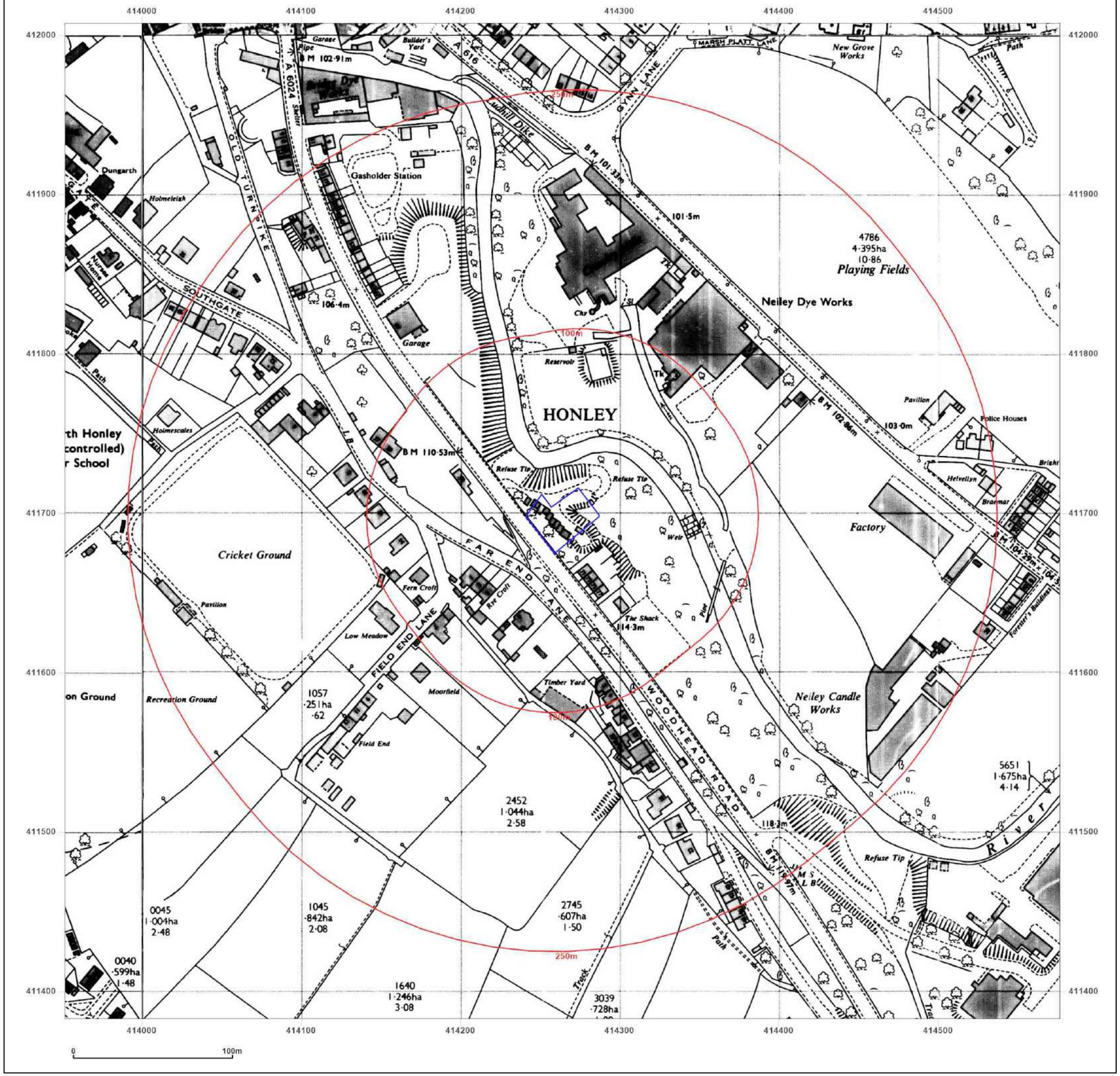

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1974-1979**

Scale: 1:2,500

Printed at: 1:2,500

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

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

Surveyed N/A
Revised 1977
Edition N/A
Copyright N/A
Levelled 1959

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Groundsure INSIGHTS

Site Details:

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6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1977-1980**

Scale: 1:2,500

Printed at: 1:2,500

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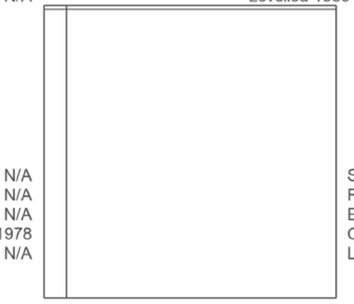
Surveyed N/A
Revised N/A
Edition N/A
Copyright 1980
Levelled N/A

Surveyed 1980
Revised 1980
Edition N/A
Copyright 1981
Levelled 1959



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

Surveyed 1965
Revised 1977
Edition N/A
Copyright 1966
Levelled 1959

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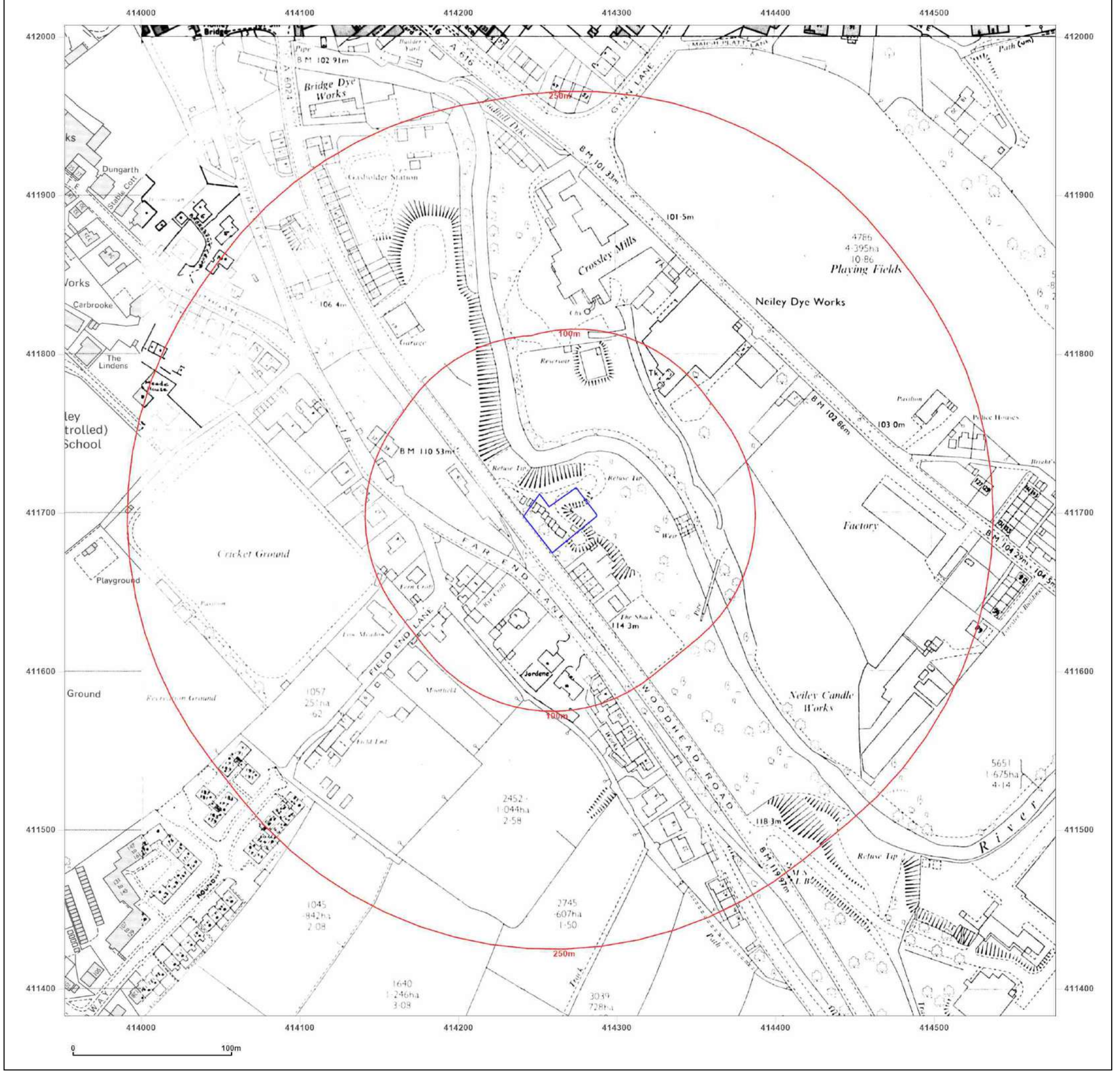

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1984-1989**

Scale: 1:2,500

Printed at: 1:2,500

N
W E
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Surveyed 1985
Revised 1985
Edition N/A
Copyright 1988
Levelled 1959

Surveyed 1959
Revised 1989
Edition N/A
Copyright 1989
Levelled 1959

Surveyed 1984
Revised 1984
Edition N/A
Copyright 1985
Levelled 1959

Surveyed 1959
Revised 1987
Edition N/A
Copyright 1987
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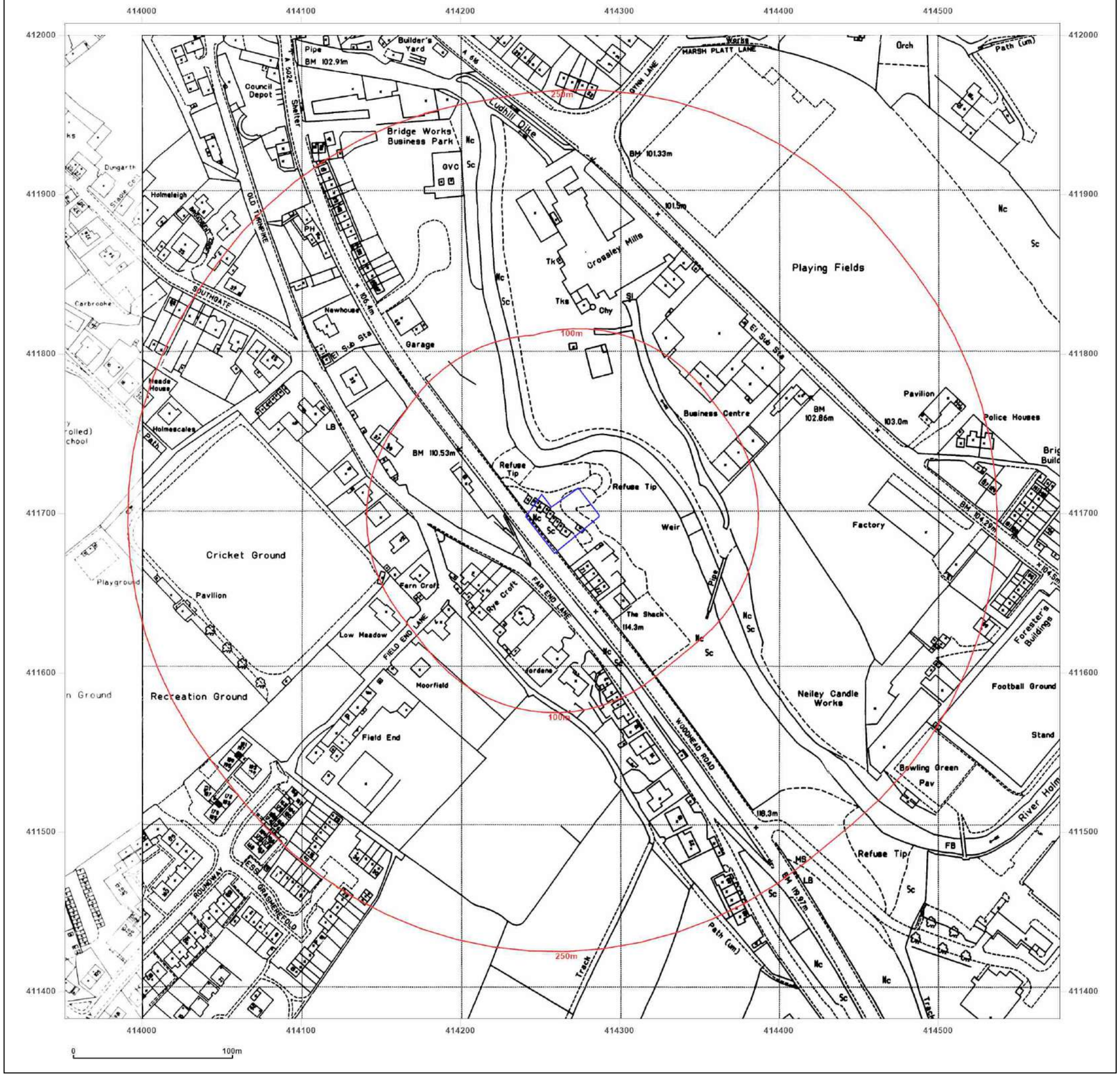

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1993**

Scale: 1:2,500

Printed at: 1:2,500

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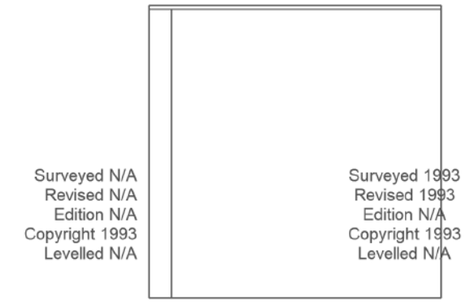

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
Levelled N/A

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

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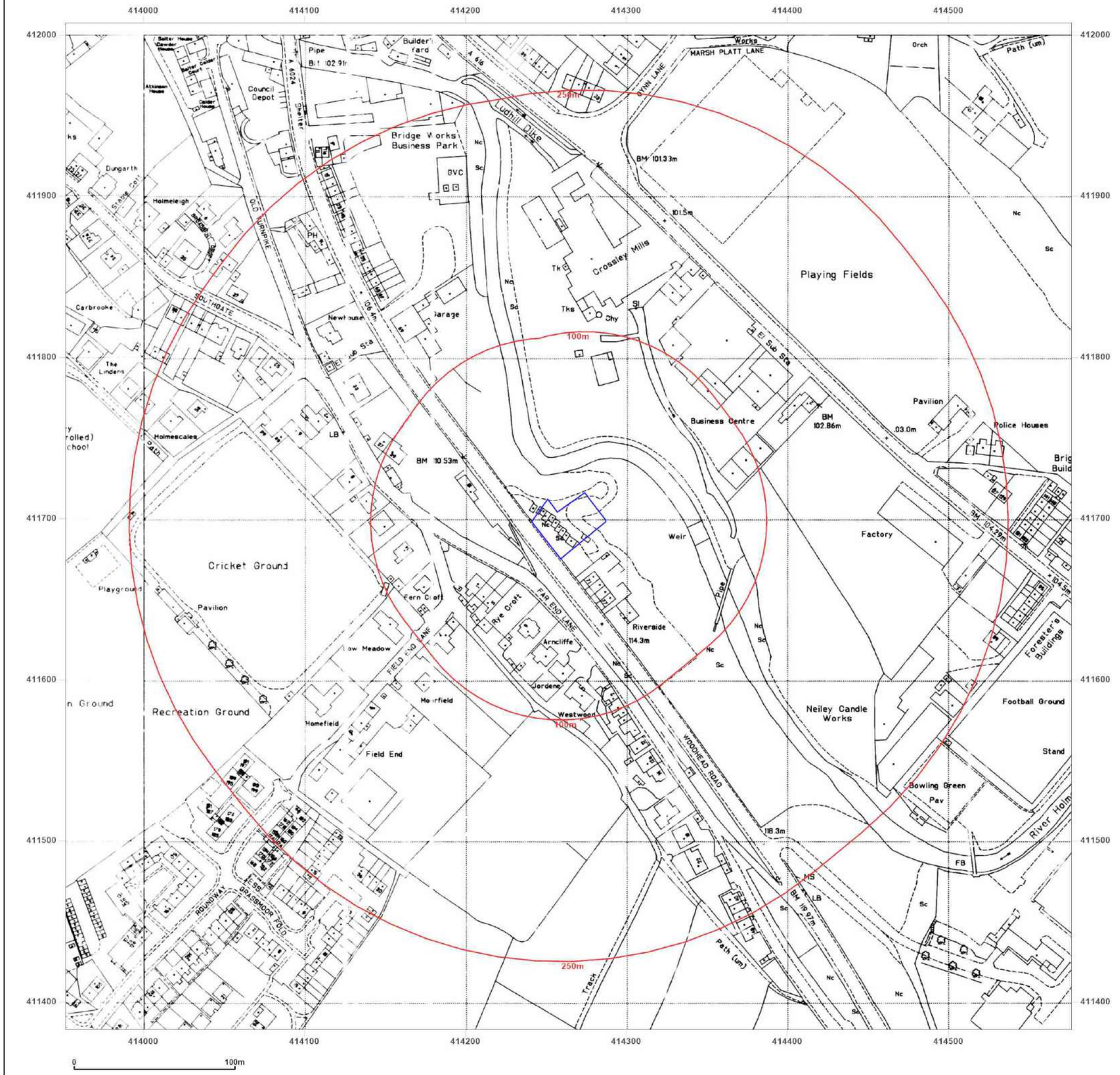

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1993-1994**

Scale: 1:2,500

Printed at: 1:2,500

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

Surveyed 1994
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

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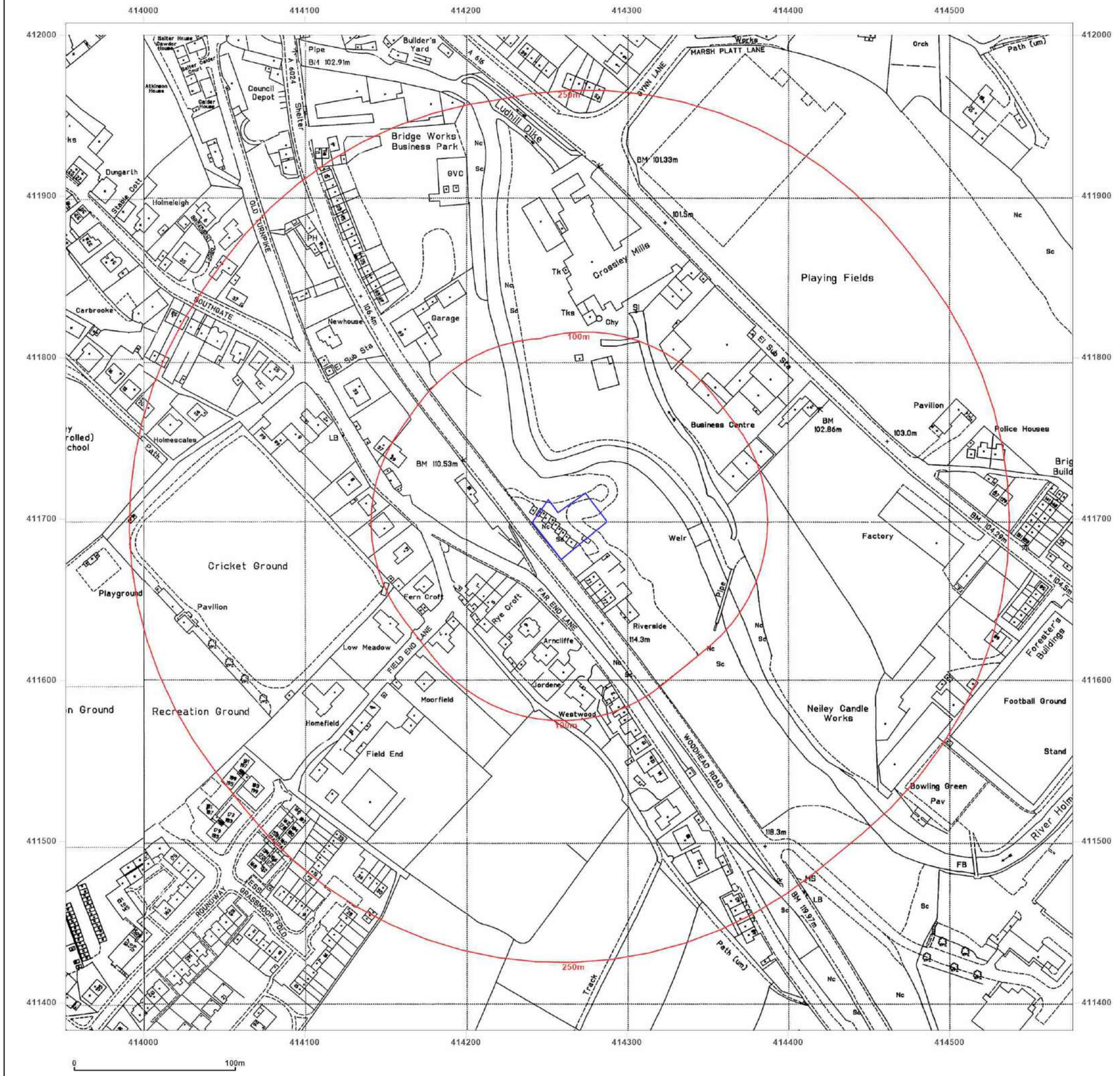

Groundsure INSIGHTS

Site Details:

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HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1993-1994**

Scale: 1:2,500

Printed at: 1:2,500

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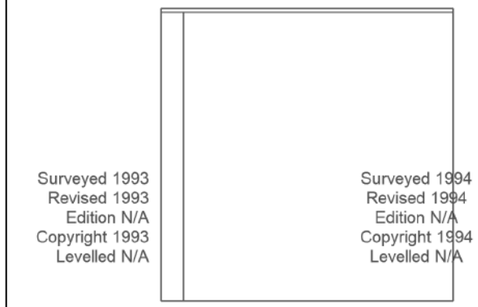

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Production date: 08 September 2021

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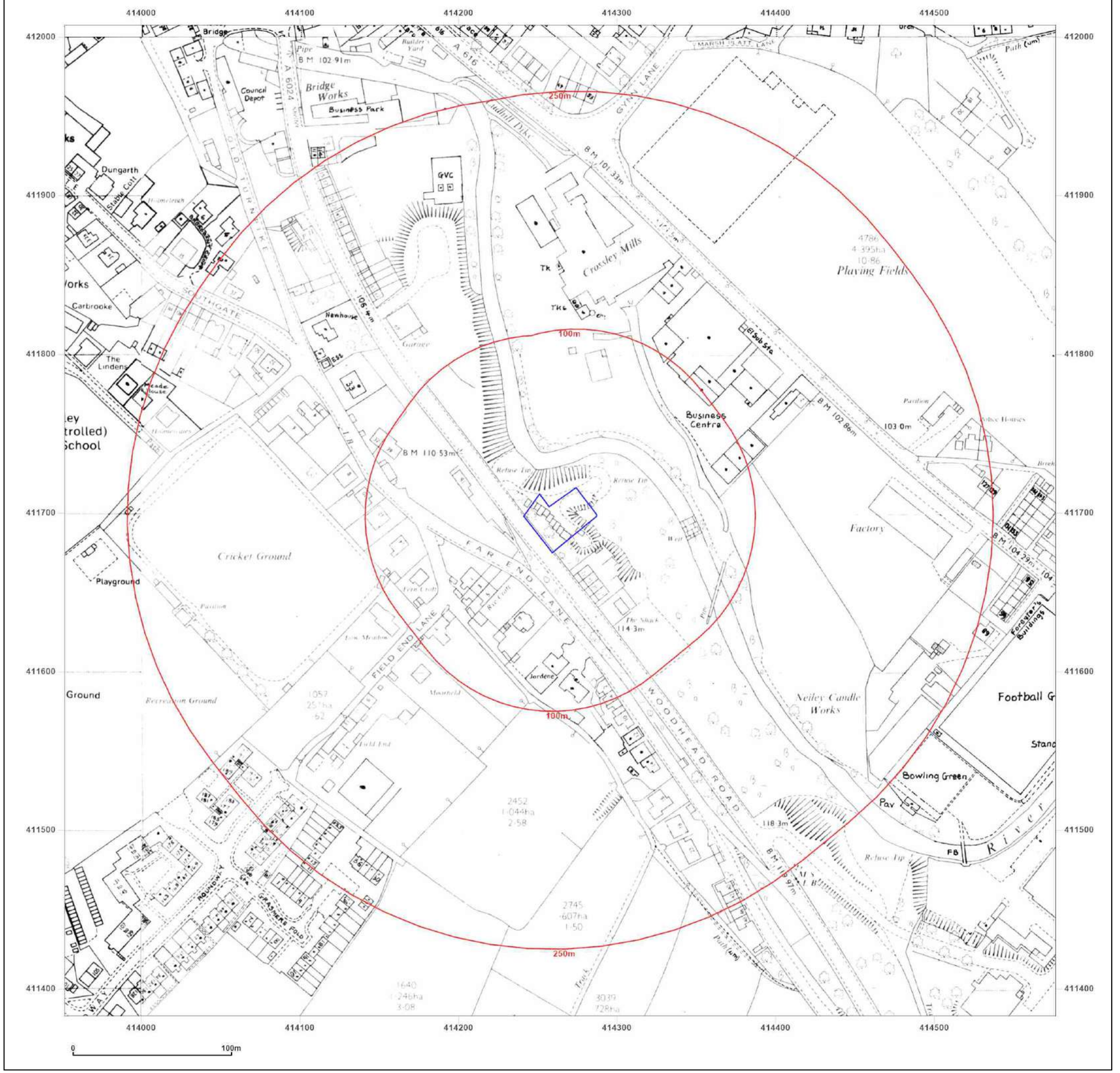

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1990-1994**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1994
Levelled N/A

Surveyed 1965
Revised 1984
Edition N/A
Copyright 1990
Levelled 1959

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1992
Levelled 1959

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Production date: 08 September 2021

Map legend available at:
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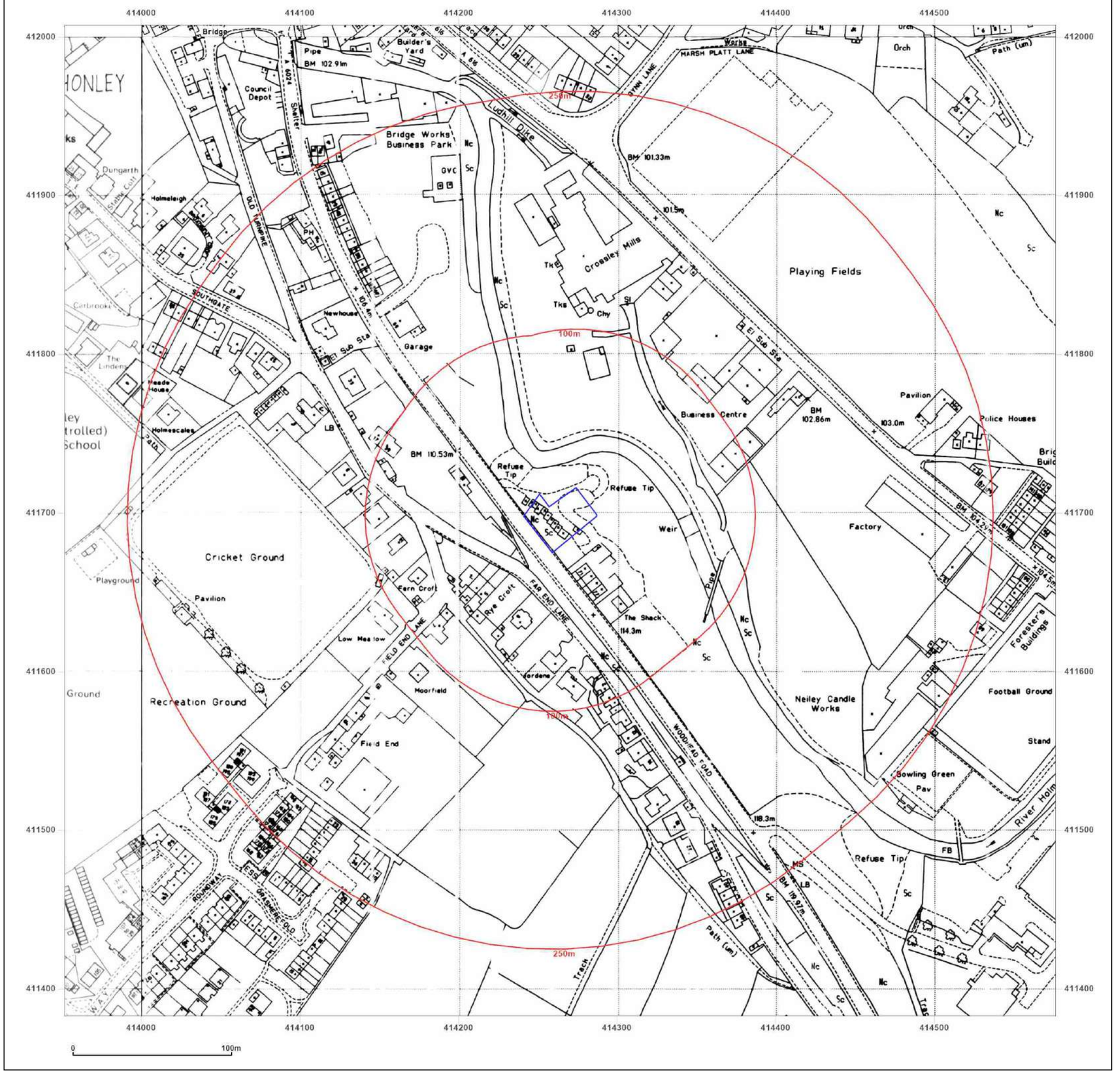

Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

Map Name: National Grid

Map date: **1992-1994**

Scale: 1:2,500

Printed at: 1:2,500

N
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Surveyed 1994
Revised 1994
Edition N/A
Copyright 1994
Levelled N/A

Surveyed 1959
Revised 1992
Edition N/A
Copyright 1992
Levelled 1959

Surveyed N/A
Revised N/A
Edition N/A
Copyright 1993
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Groundsure INSIGHTS

Site Details:

71, WOODHEAD ROAD,
HONLEY, HOLMFIRTH, HD9
6PP

Client Ref: 1623-21
Report Ref: GS-8178298
Grid Ref: 414264, 411695

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

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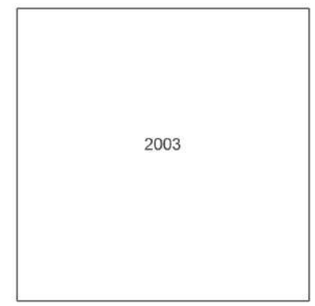

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APPENDIX 6

RISK ASSESSMENT MATRIX

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008) sets out a methodology for the estimation of risk.

At Phase I the risk estimation will take the form of a qualitative risk assessment, which will be entirely based on the conceptual model for each potential end-use of the site. Comments on level of uncertainty will also need to be included for each source-pathway-target linkage to allow the confidence in the assessed risks to be understood. The results of the qualitative risk assessment will allow the risk evaluation to be concisely described in the following chapters.

The methodology for risk evaluation is a qualitative method for interpreting the output for the risk estimation stage of the assessment. It involves the classification of the:

The magnitude of probability (i.e. likelihood).
[takes into account both the presence of the hazard and receptor and the integrity of the pathway]

The magnitude of the potential consequence (i.e. severity).
[takes into account both the potential severity of the hazard and the sensitivity of the receptor]

Classification of Probability

Classification	Definition	Examples
High likelihood (Hi)	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable in the long term, or there is evidence at the receptor or harm or pollution.	*Elevated concentrations of toxic contaminants are present in soils in the top 0.5m in a residential garden.* *Ground/groundwater contamination could be present from chemical works, containing a number of USTs, having been in operation on the same site for over 50 years*
Likely (Li)	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	*Elevated concentrations of toxic contaminants are present in soils at depths of 0.5-1.0m in a residential garden, or the top 0.5m in public open space.* *Ground/groundwater contamination could be present from an industrial site containing a UST present between 1970 and 1990. The tank is known to be single skin. There is no evidence of leakage although there are no records of integrity tests.*
Low likelihood (Lw)	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	*Elevated concentrations of toxic contaminants are present in soils at depths >1m in a residential garden, or 0.5-1.0m in public open space.* *Ground/groundwater contamination could be present on a light industrial unit constructed in the 1990s containing a UST in operation over the last 10 years – the tank is double skinned but there is no integrity testing or evidence of leakage.*
Unlikely (Ul)	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.	*Elevated concentrations of toxic contaminants are present below hardstanding.* *Light industrial unit <10 yrs old containing a double skinned UST with annual integrity testing results available.*

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

Classification of Consequence

	Definition	Examples
Severe (Sv)	Highly elevated concentrations likely to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs. A Category 1: Human Health risk is present. Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long - term maintenance of the population. Catastrophic damage to crops, buildings or property.	*Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions.* *Major fish kill in surface water from large spillage of contaminants from site.* *Highly elevated concentrations of List I and substances present in groundwater close to small potable abstraction (high sensitivity).* *Explosion, causing building collapse (can also equate to immediate human health risk if buildings are occupied).*
Medium (Md)	Elevated concentrations which could result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs. A Category 2: Human Health risk is present. Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.	*Significant harm to humans is defined in circular 01/2006 as death, disease* serious injury, genetic mutation, birth defects or the impairment of reproductive functions.* *Damage to building rendering it unsafe to occupy e.g. foundation damage resulting in instability.* *Ingress of contaminants through plastic potable water pipes.*
Mild (Ml)	Exposure to human health unlikely to lead to "significant harm". A Category 3 Human Health risk is present. Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population Minor damage to crops, buildings or property.	*Exposure could lead to slight short - term effects (e.g. mild skin rash).* *Surface spalling of concrete.*
Minor (Mr)	No measurable effect on humans.A Category 4: Human Health risk is present. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.	*The presence of contaminants at such concentrations that protective equipment is required during site works.* *The loss of plants in a landscaping scheme.* *Discolouration of concrete.*

* For these purposes, disease is to be taken to mean an unhealthy condition of the body or a part of it and can include, for example, cancer, liver dysfunction or extensive skin ailments. Mental dysfunction is included only insofar as it is attributable to the effects of a pollutant on the body of the person concerned.

The classification of consequence does not take into account the probability of the consequence being realized. Therefore, there may be more than one consequence for a particular pollutant linkage. Both a severe and medium classification can result in death. Severe relates to short term (acute) risk while medium relates to long

term (chronic) risk. Mild relates to significant harm but to less sensitive receptors. Minor classification relates to harm which is not significant but could have a financial cost.

The classification gives a guide as to the severity and consequence of identified risk when compared with other risk presented on the site. It should be noted that if a risk is identified it cannot be classified as "no risk" but as "very low risk". Differing stakeholders may have a different view on the acceptability of a risk.

Risk Evaluation Matrix

		Consequence			
		Severe (Sv)	Medium (Md)	Mild (Mi)	Minor (Mr)
Probability	High likelihood (Hi)	Very high risk (VH)	High Risk (H)	Moderate Risk (M)	Mod/low risk (M/L)
	Likely (Li)	High risk (H)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)
	Low likelihood (Lw)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)
	Unlikely (Ul)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)	Very low risk (VL)

Risk Categorizations

Very high risk (VH)	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realized, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High risk (H)	Harm is likely to arise to a designated receptor from an identified hazard. Realization of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.
Moderate risk (M)	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.
Low risk (L)	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realized, would at worst normally be mild.
Very low risk (VL)	There is a low possibility that harm could arise to a receptor. In the event of such harm being realized it is not likely to be severe.

Reference

Rudland, D J, Lancefield, R M, Mayell, P N; 2001; Contaminated land Risk Assessment. A guide to Good Practice; CIRIA Report C552.

The NHBC (National House-Building Council) the Environment Agency and the Chartered Institute of Environmental Health, 2008, Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66.