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# **Phase 1 Desk Top Geo-environmental Report**

**ON**

**PROPOSED RESIDENTIAL DEVELOPMENT**

**AT**

**WESTWOOD MILLS, LINTHWAITE**

**FOR**

**M W Restorations**

**JUNE 2020**

**E20/7713/R001**

Prepared by

**M.Huddleston MEng**

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## **1.0 INTRODUCTION**

1.1 This report is commissioned to examine the risk of contamination for the above site in line with the recommendations of Part II of the Environmental Protection Act 1990 PPS 23. It is based on information provided by both the client and statutory bodies in both written and verbal format. It is assumed that all information given is correct and factual at the time of writing this report. No liabilities can be accepted for information provided by third parties and subsequently found to be in error.

## **2.0 THE SITE**

2.1 The site is located to the west of Low Westwood Lane, Huddersfield, and is situated around Ordnance Survey grid reference 409490, 414541. A site location plan is included in Appendix A.

2.2 The site is approximately triangular in shape, with the shorter eastern boundary formed by Low Westwood Lane, which affords vehicular access to the site in the north east and south east. The longer northern and southern boundaries are formed by the Huddersfield Narrow Canal and River Colne respectively. Immediately east of the site is the Titanic Mill spa and residential complex with parking areas, to the north are open fields and woodlands, to the south east are commercial/industrial buildings and to the south west is a chemical industrial complex and playing fields. The overall site area is approximately 3.86ha.

2.3 The centre of the site is occupied by the Grade II Listed derelict sandstone Mill building and associated outbuildings with hardstanding access leading to Low Westwood Lane on the eastern boundary. A concrete settling pond is located in the south eastern corner of the site, with associated structures headed towards the centre of the site. Earthworks associated with water control are located from the western corner of the site, to the former pond adjacent the mill buildings. The remainder of the site is overgrown with mature tree growth noted along the southern boundary and in the former mill pond adjacent the mill buildings.

2.4 The site generally falls from west to east at an average grade of 1 in 110 from a high point of approximately 119.6m AOD on the western tip to a low point of approximately 115.1m at the south eastern corner.

### 3.0 SITE HISTORY

A number of historical Ordnance Survey plans from 1854-2020 have been consulted. These are contained for reference within Appendix C to the rear of the report. Below is a brief description outlining the significant developments that may affect future development of the site.

<b>Date</b>	<b>Historical uses on site</b>	<b>Historical findings within 100m perimeter of the site</b>	<b>Historical findings further than 100m perimeter of the site</b>
1854	<ul style="list-style-type: none"> <li>i) Mill buildings shown in centre of site.</li> <li>ii) Mill ponds shown in eastern corner and adjacent mill buildings.</li> <li>iii) Tenter hooks indicated in south of site.</li> <li>iv) Foot bridge indicated in western corner of site.</li> </ul>	<ul style="list-style-type: none"> <li>i) Huddersfield Canal with towing path immediately north of site.</li> <li>ii) River Colne immediately south of site.</li> <li>iii) Mill buildings immediately east of site.</li> </ul>	<ul style="list-style-type: none"> <li>i) Railway heading south west to north east 100m north west of site.</li> <li>ii) Sandstone quarry 200m south east of site.</li> <li>ii) Sandstone quarries 300m north west of site.</li> </ul>
1892-1908	<ul style="list-style-type: none"> <li>i) Tanks shown immediately east of mill buildings.</li> </ul>	<ul style="list-style-type: none"> <li>i) No significant developments within 100m of site</li> </ul>	<ul style="list-style-type: none"> <li>i) No significant developments further than 100m from the site.</li> </ul>
1930-1969	<ul style="list-style-type: none"> <li>i) Tanks no longer shown adjacent mill building.</li> <li>ii) Tanks shown adjacent pond in eastern corner.</li> </ul>	<ul style="list-style-type: none"> <li>i) Mill building immediately east of site extended eastwards.</li> </ul>	<ul style="list-style-type: none"> <li>i) No significant developments further than 100m from the site.</li> </ul>
1978-2001	<ul style="list-style-type: none"> <li>i) The on-site features are similar to the previous sheet.</li> </ul>	<ul style="list-style-type: none"> <li>i) Works shown 15m south of site, immediately south of River Calder.</li> <li>i) Huddersfield Canal shown as disused.</li> </ul>	<ul style="list-style-type: none"> <li>i) Sandstone quarries 200m south east and 300m north west of site shown as disused.</li> </ul>
2010-2020	<ul style="list-style-type: none"> <li>i) Mill pond no longer shown to west of mill buildings</li> </ul>	<ul style="list-style-type: none"> <li>i) Only one mill building shown immediately east of site.</li> <li>ii) Huddersfield Canal no longer labelled disused.</li> </ul>	<ul style="list-style-type: none"> <li>i) Quarries no longer shown 200m south east or 300m north west of site.</li> </ul>

#### **4.0 SITE GEOLOGY & MINING**

- 4.1 The BGS Digital Geological Map of Great Britain at 1:10,000 scale has been consulted and we would report as follows:-
- 4.2 An area of made ground is shown extending westwards from the existing mill buildings.
- 4.3 The site is shown to be overlain by Alluvium consisting of Clay, Sand and Gravel.
- 4.4 The majority of site is shown to be underlain by the Millstone Grit Group consisting of Mudstone, Siltstone and Sandstone. The Eastern Carlton Grit formation consisting of Sandstone is shown to cross the centre of the site from north to south.
- 4.5 A fault line is shown to head to the south east from the eastern corner of the site.
- 4.6 The Coal Authority Report states that the property is not within a surface area that could be affected by any recorded past underground coal mining.
- 4.7 The property is not in an area that is likely to be affected at the surface from any planned future workings.
- 4.8 There are no recorded coal mine entries known to the Coal Authority within, or within 20 metres, of the boundary of the property.
- 4.9 There have been no subsidence claims made within, or within 50m of, the site boundary.
- 4.10 The Coal Authority Online Resources indicate the site lies outside the development high risk area.
- 4.11 There are three deep BGS borehole logs recorded approximately 125m east of the site. Of the two that were viewable showed 5-5.5m of sands, gravels and clays (noted as made ground in one borehole). Beneath this superficial strata was primarily alternating bands of sandstone, siltstone to a depth of at least 64m. One borehole showed a 75mm thick flash of coal at a depth of 7.8m below existing ground levels.

## **5.0 ENVIRONMENTAL CONSIDERATIONS**

### **5.1 Radon**

The property is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

No radon protective measures are necessary.

### **5.2 Landfill Sites**

There are two recorded historical landfill sites within 250m of the site. A refuse tip is shown 43m south of the site and a former quarry 222m north west of the site accepted inert and commercial waste.

Additionally, there are five waste transfer sites located 21-38m south of the site, and a sixth located 115m south east of the site.

### **5.3 Flood Risk**

The majority of the site lies within Environment Agency designated Flood Zone 3. A narrow strip of land adjacent the northern boundary is designated as Flood Zone 2.

Adjacent the River Colne on the southern boundary is indicated as having a high risk of flooding from Rivers and Sea. The remainder of the site has a medium risk.

#### **5.4.1 Groundwater**

Both the superficial strata and the underlying bedrock are classified as Secondary (A) Aquifer. These are 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.

There are four licensed discharge consents recorded within 250m of the site. Two are located 3-7m south east of the site, and the remaining two are located 42m south east of the site. All four are for sewer storm overflows into the River Colne.

There is a single groundwater abstraction licence recorded within 250m of the site, this is located 105m to the east.

There are nine surface water abstraction licences recorded within 250m of the site. One is located in the western corner of the site and a further five are located in the eastern third of

the site. Two are located 72m south of the site and the last is located 127m north west of the site.

There are five drinking water abstraction licences recorded within 250m of the site. Two are located in the western corner of the site, one is located 127m north west of the site, three are located 133m north east of the site.

There have been three recorded pollution incidents to controlled waters within 250m of the site, these are located 4m and 11m south of the site and 141m south east of the site. The incidents 4m and 11m south of the site involved organic chemicals and products and were Category 3 (Minor) and Category 2 (Significant) incidents respectively. The third incident 141m south east of the site involved oils and fuel and was a Category 3 (Minor) incident.

The eastern third of the site is in a Source Protection Zone 2, Outer Catchment.

There is a pond located in the eastern corner of the site, and a mill run with weir and sluice in the western corner of the site. The northern boundary is formed by the Huddersfield Narrow Canal and the southern boundary by the River Colne.

## **5.5 Designated Environmentally Sensitive Site**

The majority of the site is shown to be part of the South and West Yorkshire Green Belt. Only the areas occupied by the existing mill buildings extending southwards to the River Colne is exempt.

## **6.0 PRELIMINARY CONCEPTUAL SITE MODEL**

- 6.1 The initial stage in assessing the risks posed from contaminated land during the redevelopment of a site is to prepare a conceptual model. A generalised conceptual model can be developed highlighting the main pollutant linkages through a contaminant ► pathway ► receptor model for a residential development. In order to prepare the conceptual model for a particular site the following parameters need to be reviewed as discussed below.
- 6.2 Contamination of existing land can be caused by a number of factors, including:-
- i) Possible historical/current industrial activities.
  - ii) Disposal of waste materials.
  - iii) Storage of materials.
  - iv) A number of natural processes can also lead to hazardous gases and elevated heavy metals.
- 6.3 Potential pathways can include ground and surface water, permeable strata, existing services providing a conduit and voided ground. Potential receptors can include human health, ecosystems, controlled waters and building structures. There are a number of ways that a receptor can be exposed to the contaminant these include, inhalation, direct contact, ingestion, dermal contact and uptake.
- 6.4 Sources of potential contamination, that could affect the proposed development, from either on or off-site activities would include the following:-
- i) Shallow ground contamination from historical industrial usage.
  - ii) Asbestos within existing building construction.
  - iii) Potential ground gas generation from historical landfills in vicinity of the site.
  - iv) Possible ground contamination from materials stored on site, in particular from the historical tanks listed on site.
  - v) Possible made ground on site from levelling areas of hardstanding or infilling former water features.

Based on the above activities the potential for some contamination to exist on site is considered to be moderate.



6.5 Considering the proposed commercial end use, there will be two possible human receptor groups exposed to the existing onsite contamination:-

- a) Site operatives during development.
- b) End users, future site users (the critical receptor is a 6 year old female).

6.6 Human receptors may be exposed to site contamination by a number of possible pathways. These pathways are summarised in Table 1 below.

**Table 1- Potential Human Exposure Pathways**

<u>Human Exposure Pathway</u>	<u>Site Users</u>	<u>Construction Workers</u>
<b>Soil Ingestion</b>	YES	YES
<b>Consumption of Home Grown Vegetables</b>	YES	NO
<b>Dermal Contact</b>	YES	YES
<b>Dust Inhalation</b>	YES	YES
<b>Gases/Vapours</b>	YES	NO

6.7 The construction workers will come into contact with any contaminated soil to a far greater extent than future users. The exposure pathways are generally through dermal contact and indirect ingestion. However their exposure will be for a limited time and the provision and correct use of personnel protective equipment and adequate welfare facilities during construction should restrict their risks to acceptable levels

6.8 Due to the presence of surface, ground and potable water abstractions in the vicinity of the site, as well as the Huddersfield Narrow Canal and River Colne to the boundaries, there is considered to be a moderate risk to controlled waters from existing contamination on site.

6.9 No specific areas of ecological importance have been identified in the initial desk top study. Therefore the site is considered to be in a low risk environmental setting. The potential for phototoxic materials to exist at shallow depth should be considered, these could pose a potential risk to new planting and soft landscaping areas within the proposed development.

6.10 The feasibility layout for the site shows the existing mill buildings to be renovated with the construction of further residential properties unit. The presence of elevated

sulphates and hydrocarbons could affect the long term integrity of buried concrete structures, including foundations and drainage pipes. Plastic water supply pipes can also be damaged by the presence of hydrocarbon contamination.

## **7.0 CONCLUSIONS**

- 7.1 The site has been in industrial use since the earliest historical maps of 1854, as the land immediately east of the site. There is a risk of ground gas migration from historical landfill sites in the area, and potentially infilled land on site to former water features. Finally, there is the risk of ground contamination from historical industrial processes on the site and made ground used in levelling the site.
- 7.2 We would recommend that a Stage II Ground Investigation is undertaken on site to determine the underlying strata and allow foundations for the new development to be specified.
- 7.3 In particular, window samples should be undertaken throughout the area to confirm the extents and depth of any infilled water features. Additionally, this will enable gas monitoring stations to be installed to determine if ground gas migration from the pond infill material and adjacent landfills will adversely affect the development as well as monitoring groundwater levels.
- 7.4 Prior to any renovation/clearance works to the existing mill buildings, and asbestos survey should be undertaken on site, and asbestos containing materials removed from site to a suitably licensed waste transfer facility.
- 7.5 Soil samples from any made ground or natural strata present should be taken for contamination testing for metals, metalloids, PAH and asbestos. If any contamination is found, a site remediation report should outline the most effective method of dealing with the contamination and any validation requirements.
- 7.6 Plasticity testing should also be undertaken to determine the shrinkage of the existing clays, to enable the new foundations to be designed and constructed in accordance with the current standards.

Prepared by



M. Huddleston. MEng

Checked by



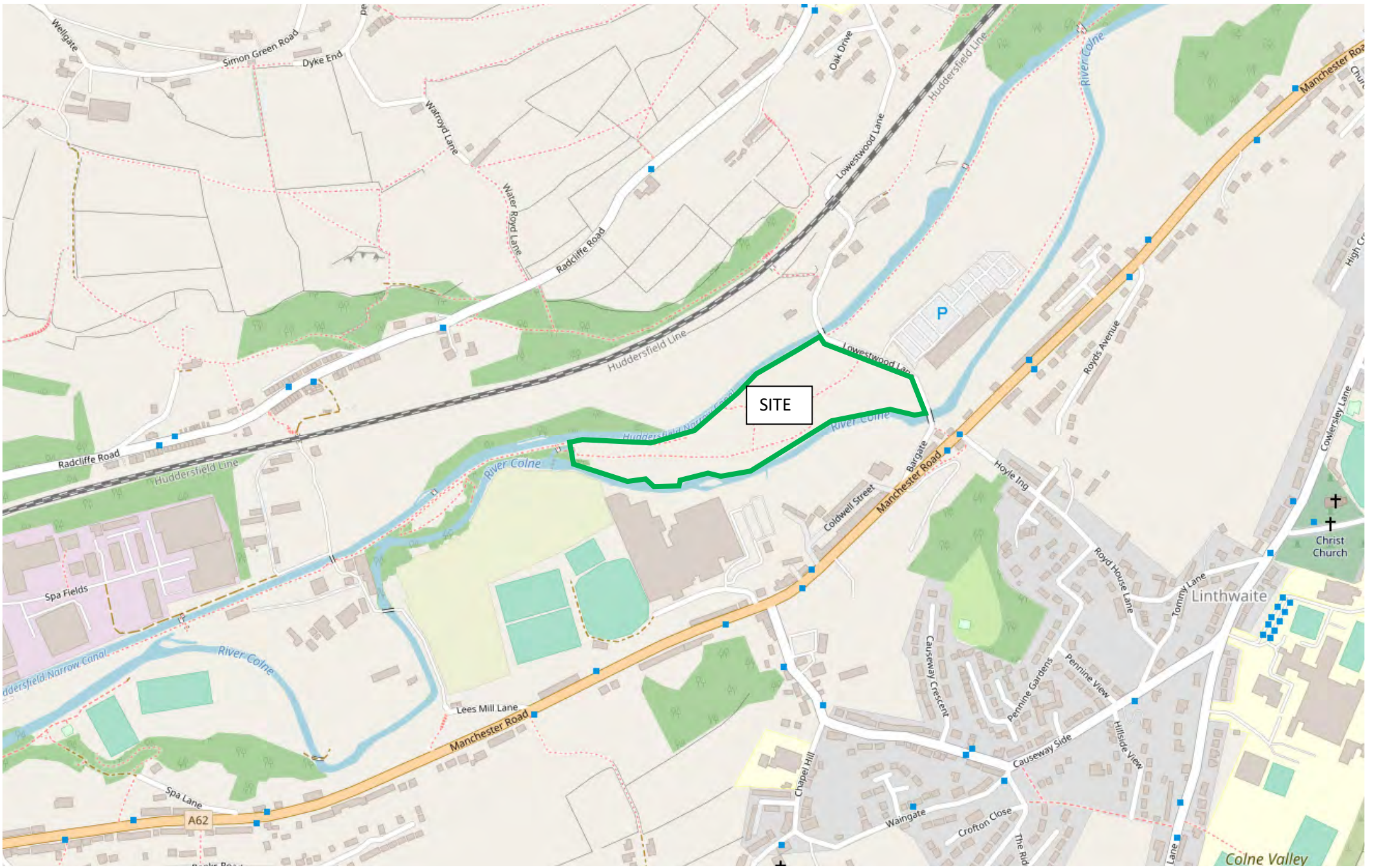
T. Haigh. BSc.,C.Eng.M.I.C.E.

June 2020

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# APPENDIX A

## LOCATION PLAN



# APPENDIX B

## MINING REPORT



The Coal  
Authority

# CON29M

## coal mining report

WESTWOOD MILL, LOW WESTWOOD LANE, LINTHWAITE, HUDDERSFIELD,  
KIRKLEES, HD7 5RR



### No known or potential coal mining risks

No recorded or potential coal mining features have been identified in the report.



### Further action

There are no further actions required as no known or potential coal mining risks have been identified.

For more information on our reports please visit  
[www.groundstability.com](http://www.groundstability.com)



### Professional opinion

According to the official mining information records held by the Coal Authority at the time of this search, there were no areas of concern relating to coal mining.

Your reference: **MW RESTORATIONS  
7713**  
Our reference: **51002278375001**  
Date: **19 June 2020**

Client name:  
**HAIGH HUDDLESTON &  
ASSOCIATES**

If you require any further assistance please  
contact our experts on:  
**0345 762 6848**  
[groundstability@coal.gov.uk](mailto:groundstability@coal.gov.uk)



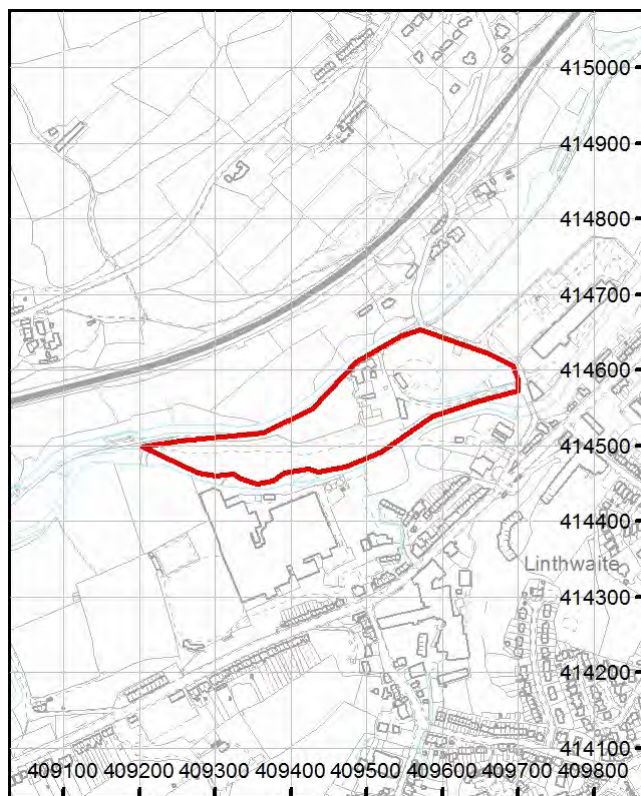
The Law  
Society



# Enquiry boundary

## Key

Approximate position of enquiry boundary shown



We can confirm that the location is  
**off the coalfield**



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## Accessibility

If you would like this information in an alternative format, please contact our communications team on 0345 762 6848 or email [communications@coal.gov.uk](mailto:communications@coal.gov.uk).

Your reference: **MW RESTORATIONS  
7713**  
Our reference: **51002278375001**  
Date: **19 June 2020**

Client name:  
**HAIGH HUDDLESTON &  
ASSOCIATES**

If you require any further assistance please  
contact our experts on:  
**0345 762 6848**  
[groundstability@coal.gov.uk](mailto:groundstability@coal.gov.uk)

# Detailed findings

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL.

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## 1 Past underground coal mining

The property is not within a surface area that could be affected by any past recorded underground coal mining.

## 2 Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

## 3 Future underground coal mining

The property is not in an area where the Coal Authority has received an application for, and is currently considering whether to grant a licence to remove or work coal by underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

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

## 4 Mine entries

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

## 5 Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

## 6 Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

## 7 Present opencast coal mining

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

## 8 Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

## 9 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.

## 10 Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

## 11 Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Coal Authority, under its Emergency Surface Hazard Call Out procedures.

## 12 Withdrawal of support

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.

## 13 Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

## 14 Payments to owners of former copyhold land

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

# Statutory cover



## Coal mining subsidence

In the unlikely event of any coal mining related subsidence damage, the Coal Authority or the mine operator has a duty to take remedial action in respect of subsidence caused by the withdrawal of support from land or property in connection with lawful coal mining operations.

When the works are the responsibility of the Coal Authority, our dedicated public safety and subsidence team will manage the claim. The house or land owner ("the owner") is covered for these works under the terms of the Coal Mining Subsidence Act 1991 (as amended by the Coal Industry Act 1994). Please note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

If you believe your land or property is suffering from coal mining subsidence damage and you need more information on what to do next, please use the following link to our website which sets out what your rights are and what you need to consider before making a claim.

[www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form](http://www.gov.uk/government/publications/coal-mining-subsidence-damage-notice-form)



## Coal mining hazards

Our public safety and subsidence team provide a 24 hour a day, 7 days a week hazard reporting service, to help protect the public from hazards caused by past coal workings, such as a mine shaft or shallow working collapse. To report any hazards please call **01623 646 333**. Further information can be found on our website: [www.gov.uk/coalauthority](http://www.gov.uk/coalauthority).

Your reference: **MW RESTORATIONS  
7713**

Our reference: **51002278375001**

Date: **19 June 2020**

Client name:  
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# Glossary



## Key terms

**adit** - horizontal or sloped entrance to a mine

**coal mining subsidence** - ground movement caused by the removal of coal by underground mining

**Coal Mining Subsidence Act 1991** - the Act setting out the duties of the Coal Authority to repair damage caused by coal mining subsidence

**coal mining subsidence damage** - damage to land, buildings or structures caused by the removal of coal by underground mining

**coal seams** - bed of coal of varying thickness

**future opencast coal mining** - a licence granted, or licence application received, by the Coal Authority to excavate coal from the surface

**future underground coal mining** - a licence granted, or licence application received, by the Coal Authority to excavate coal underground. Although it is unlikely, remaining coal reserves could create a possibility for future mining, which would be licensed by the Coal Authority

**mine entries** - collective name for shafts and adits

**payments to owners of former copyhold land** - historically, copyhold land gave rights to coal to the copyholder. Legislation was set up to allow others to work this coal, but they had to issue a notice and pay compensation if a copyholder came forward

**shaft** - vertical entry into a mine

**site investigation** - investigations of coal mining risks carried out with the Coal Authority's permission

**stop notice** - a delay to repairs because further coal mining subsidence damage may occur and it would be unwise to carry out permanent repairs

**subsidence claim** - a formal notice of subsidence damage to the Coal Authority since it was established on 31 October 1994

**withdrawal of support** - a historic notice informing landowners that the coal beneath their property was going to be worked

**working facilities orders** - a court order which gave permission, restricted or prevented coal mine workings

# APPENDIX C

## GROUNDSURE REPORT

### HISTORICAL MAPS

WESTWOOD MILL, LOW WESTWOOD LANE, LINTHWAITE, HUDDERSFIELD, HD7 5RR

## Order Details

**Date:** 19/06/2020  
**Your ref:** MW\_RESTORATIONS\_7713  
**Our Ref:** GS-6804822  
**Client:** Haigh Huddleston & Associates

## Site Details

**Location:** 409490 414541  
**Area:** 3.86 ha  
**Authority:** [Kirklees Council](#)



**Summary of findings**

p. 2

**Aerial image**

p. 8

**OS MasterMap site plan**

p.12

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08444 159 000



## Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">13</a>	<a href="#">1.1</a>	<b><u>Historical industrial land uses</u></b>	9	13	28	51	-
<a href="#">17</a>	<a href="#">1.2</a>	<b><u>Historical tanks</u></b>	6	1	37	35	-
<a href="#">20</a>	<a href="#">1.3</a>	<b><u>Historical energy features</u></b>	0	0	7	12	-
<a href="#">21</a>	<a href="#">1.4</a>	<b><u>Historical petrol stations</u></b>	0	0	0	1	-
<a href="#">22</a>	<a href="#">1.5</a>	<b><u>Historical garages</u></b>	0	2	4	0	-
22	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
<a href="#">23</a>	<a href="#">2.1</a>	<b><u>Historical industrial land uses</u></b>	9	17	34	62	-
<a href="#">28</a>	<a href="#">2.2</a>	<b><u>Historical tanks</u></b>	7	3	46	51	-
<a href="#">32</a>	<a href="#">2.3</a>	<b><u>Historical energy features</u></b>	0	0	17	23	-
<a href="#">34</a>	<a href="#">2.4</a>	<b><u>Historical petrol stations</u></b>	0	0	0	2	-
<a href="#">34</a>	<a href="#">2.5</a>	<b><u>Historical garages</u></b>	0	2	5	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
36	3.1	Active or recent landfill	0	0	0	0	-
36	3.2	Historical landfill (BGS records)	0	0	0	0	-
<a href="#">37</a>	<a href="#">3.3</a>	<b><u>Historical landfill (LA/mapping records)</u></b>	0	1	0	2	-
<a href="#">37</a>	<a href="#">3.4</a>	<b><u>Historical landfill (EA/NRW records)</u></b>	0	0	1	2	-
<a href="#">38</a>	<a href="#">3.5</a>	<b><u>Historical waste sites</u></b>	0	2	0	0	-
<a href="#">39</a>	<a href="#">3.6</a>	<b><u>Licensed waste sites</u></b>	0	3	1	2	-
<a href="#">40</a>	<a href="#">3.7</a>	<b><u>Waste exemptions</u></b>	0	0	11	33	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">46</a>	<a href="#">4.1</a>	<b><u>Recent industrial land uses</u></b>	0	4	23	-	-
<a href="#">48</a>	<a href="#">4.2</a>	<b><u>Current or recent petrol stations</u></b>	0	0	1	0	-
49	4.3	Electricity cables	0	0	0	0	-
49	4.4	Gas pipelines	0	0	0	0	-
<a href="#">49</a>	<a href="#">4.5</a>	<b><u>Sites determined as Contaminated Land</u></b>	0	0	0	1	-



49	4.6	<b><u>Control of Major Accident Hazards (COMAH)</u></b>	0	0	0	2	-
50	4.7	Regulated explosive sites	0	0	0	0	-
50	4.8	<b><u>Hazardous substance storage/usage</u></b>	0	0	0	4	-
51	4.9	<b><u>Historical licensed industrial activities (IPC)</u></b>	0	0	0	23	-
54	4.10	<b><u>Licensed industrial activities (Part A(1))</u></b>	0	5	0	57	-
63	4.11	<b><u>Licensed pollutant release (Part A(2)/B)</u></b>	0	0	1	1	-
63	4.12	Radioactive Substance Authorisations	0	0	0	0	-
64	4.13	<b><u>Licensed Discharges to controlled waters</u></b>	0	4	0	6	-
65	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
65	4.15	<b><u>Pollutant release to public sewer</u></b>	0	0	0	4	-
66	4.16	<b><u>List 1 Dangerous Substances</u></b>	0	0	0	1	-
66	4.17	<b><u>List 2 Dangerous Substances</u></b>	1	1	0	3	-
67	4.18	<b><u>Pollution Incidents (EA/NRW)</u></b>	0	2	1	10	-
69	4.19	<b><u>Pollution inventory substances</u></b>	0	0	0	1	-
69	4.20	<b><u>Pollution inventory waste transfers</u></b>	0	0	0	1	-
71	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
72	5.1	<b><u>Superficial aquifer</u></b>	Identified (within 500m)				
74	5.2	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
76	5.3	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
77	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
77	5.5	Groundwater vulnerability- local information	None (within 0m)				
78	5.6	<b><u>Groundwater abstractions</u></b>	0	0	4	6	11
83	5.7	<b><u>Surface water abstractions</u></b>	6	0	3	3	12
89	5.8	<b><u>Potable abstractions</u></b>	2	0	4	1	0
91	5.9	<b><u>Source Protection Zones</u></b>	1	0	1	0	-
92	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
93	6.1	<b><u>Water Network (OS MasterMap)</u></b>	4	14	11	-	-



<b>96</b>	<b>6.2</b>	<b><u>Surface water features</u></b>	1	4	0	-	-
<b>96</b>	<b>6.3</b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
<b>97</b>	<b>6.4</b>	<b><u>WFD Surface water bodies</u></b>	1	0	0	-	-
<b>97</b>	<b>6.5</b>	<b><u>WFD Groundwater bodies</u></b>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
<b>98</b>	<b>7.1</b>	<b><u>Risk of Flooding from Rivers and Sea (RoFRaS)</u></b>	High (within 50m)				
99	7.2	Historical Flood Events	0	0	0	-	-
99	7.3	Flood Defences	0	0	0	-	-
99	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
99	7.5	Flood Storage Areas	0	0	0	-	-
<b>100</b>	<b>7.6</b>	<b><u>Flood Zone 2</u></b>	Identified (within 50m)				
<b>101</b>	<b>7.7</b>	<b><u>Flood Zone 3</u></b>	Identified (within 50m)				
Page	Section	Surface water flooding					
<b>102</b>	<b>8.1</b>	<b><u>Surface water flooding</u></b>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
<b>104</b>	<b>9.1</b>	<b><u>Groundwater flooding</u></b>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
105	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
106	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
106	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
106	10.4	Special Protection Areas (SPA)	0	0	0	0	0
106	10.5	National Nature Reserves (NNR)	0	0	0	0	0
107	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
107	10.7	Designated Ancient Woodland	0	0	0	0	0
107	10.8	Biosphere Reserves	0	0	0	0	0
107	10.9	Forest Parks	0	0	0	0	0
108	10.10	Marine Conservation Zones	0	0	0	0	0
<b>108</b>	<b>10.11</b>	<b><u>Green Belt</u></b>	1	0	0	0	0
108	10.12	Proposed Ramsar sites	0	0	0	0	0



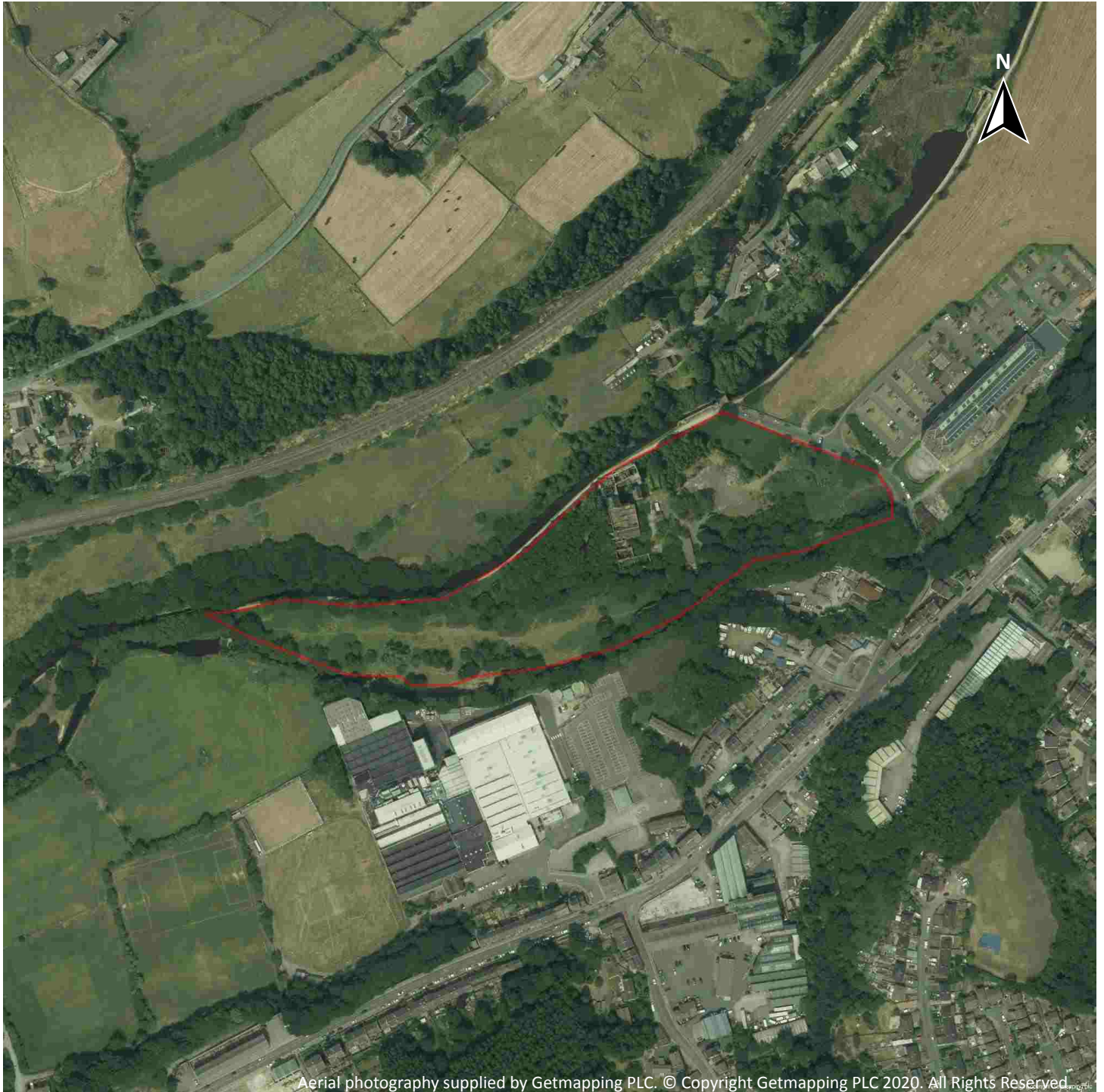
108	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
109	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
109	10.15	Nitrate Sensitive Areas	0	0	0	0	0
109	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
<b>110</b>	<b>10.17</b>	<b><u>SSSI Impact Risk Zones</u></b>	<b>1</b>	-	-	-	-
111	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
112	11.1	World Heritage Sites	0	0	0	-	-
113	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
113	11.3	National Parks	0	0	0	-	-
<b>113</b>	<b>11.4</b>	<b><u>Listed Buildings</u></b>	<b>5</b>	<b>0</b>	<b>10</b>	-	-
<b>114</b>	<b>11.5</b>	<b><u>Conservation Areas</u></b>	<b>1</b>	<b>0</b>	<b>1</b>	-	-
115	11.6	Scheduled Ancient Monuments	0	0	0	-	-
115	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>116</b>	<b>12.1</b>	<b><u>Agricultural Land Classification</u></b>	Urban (within 250m)				
117	12.2	Open Access Land	0	0	0	-	-
117	12.3	Tree Felling Licences	0	0	0	-	-
<b>117</b>	<b>12.4</b>	<b><u>Environmental Stewardship Schemes</u></b>	<b>0</b>	<b>1</b>	<b>0</b>	-	-
118	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>119</b>	<b>13.1</b>	<b><u>Priority Habitat Inventory</u></b>	<b>0</b>	<b>0</b>	<b>9</b>	-	-
120	13.2	Habitat Networks	0	0	0	-	-
120	13.3	Open Mosaic Habitat	0	0	0	-	-
120	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
<b>121</b>	<b>14.1</b>	<b><u>10k Availability</u></b>	Identified (within 500m)				
<b>122</b>	<b>14.2</b>	<b><u>Artificial and made ground (10k)</u></b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>15</b>	-
<b>124</b>	<b>14.3</b>	<b><u>Superficial geology (10k)</u></b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	-

<a href="#">125</a>	<a href="#">14.4</a>	<a href="#">Landslip (10k)</a>	0	0	2	1	-
<a href="#">126</a>	<a href="#">14.5</a>	<a href="#">Bedrock geology (10k)</a>	3	1	8	24	-
<a href="#">128</a>	<a href="#">14.6</a>	<a href="#">Bedrock faults and other linear features (10k)</a>	1	0	0	1	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">129</a>	<a href="#">15.1</a>	<a href="#">50k Availability</a>	Identified (within 500m)				
<a href="#">130</a>	<a href="#">15.2</a>	<a href="#">Artificial and made ground (50k)</a>	0	0	3	3	-
131	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<a href="#">132</a>	<a href="#">15.4</a>	<a href="#">Superficial geology (50k)</a>	1	1	0	0	-
<a href="#">133</a>	<a href="#">15.5</a>	<a href="#">Superficial permeability (50k)</a>	Identified (within 50m)				
<a href="#">133</a>	<a href="#">15.6</a>	<a href="#">Landslip (50k)</a>	0	0	2	0	-
133	15.7	Landslip permeability (50k)	None (within 50m)				
<a href="#">134</a>	<a href="#">15.8</a>	<a href="#">Bedrock geology (50k)</a>	3	1	4	6	-
<a href="#">135</a>	<a href="#">15.9</a>	<a href="#">Bedrock permeability (50k)</a>	Identified (within 50m)				
<a href="#">136</a>	<a href="#">15.10</a>	<a href="#">Bedrock faults and other linear features (50k)</a>	1	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">137</a>	<a href="#">16.1</a>	<a href="#">BGS Boreholes</a>	0	0	4	-	-
Page	Section	Natural ground subsidence					
<a href="#">139</a>	<a href="#">17.1</a>	<a href="#">Shrink swell clays</a>	Very low (within 50m)				
<a href="#">141</a>	<a href="#">17.2</a>	<a href="#">Running sands</a>	Low (within 50m)				
<a href="#">143</a>	<a href="#">17.3</a>	<a href="#">Compressible deposits</a>	Moderate (within 50m)				
<a href="#">145</a>	<a href="#">17.4</a>	<a href="#">Collapsible deposits</a>	Very low (within 50m)				
<a href="#">146</a>	<a href="#">17.5</a>	<a href="#">Landslides</a>	Moderate (within 50m)				
<a href="#">148</a>	<a href="#">17.6</a>	<a href="#">Ground dissolution of soluble rocks</a>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
150	18.1	Natural cavities	0	0	0	0	-
<a href="#">151</a>	<a href="#">18.2</a>	<a href="#">BritPits</a>	0	0	3	9	-
<a href="#">153</a>	<a href="#">18.3</a>	<a href="#">Surface ground workings</a>	9	15	13	-	-
154	18.4	Underground workings	0	0	0	0	0
154	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<b>155</b>	<b>18.6</b>	<b><u>Non-coal mining</u></b>	1	0	0	2	1
155	18.7	Mining cavities	0	0	0	0	0
156	18.8	JPB mining areas	None (within 0m)				
156	18.9	Coal mining	None (within 0m)				
156	18.10	Brine areas	None (within 0m)				
156	18.11	Gypsum areas	None (within 0m)				
156	18.12	Tin mining	None (within 0m)				
157	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<b>158</b>	<b>19.1</b>	<b><u>Radon</u></b>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<b>159</b>	<b>20.1</b>	<b><u>BGS Estimated Background Soil Chemistry</u></b>	10	12	-	-	-
160	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
161	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
162	21.1	Underground railways (London)	0	0	0	-	-
162	21.2	Underground railways (Non-London)	0	0	0	-	-
163	21.3	Railway tunnels	0	0	0	-	-
<b>163</b>	<b>21.4</b>	<b><u>Historical railway and tunnel features</u></b>	0	0	7	-	-
163	21.5	Royal Mail tunnels	0	0	0	-	-
164	21.6	Historical railways	0	0	0	-	-
<b>164</b>	<b>21.7</b>	<b><u>Railways</u></b>	0	0	22	-	-
165	21.8	Crossrail 1	0	0	0	0	-
165	21.9	Crossrail 2	0	0	0	0	-
165	21.10	HS2	0	0	0	0	-

## Recent aerial photograph



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Capture Date: 01/07/2018

Site Area: 3.86ha



## Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 3.86ha





## Recent site history - 2000 aerial photograph



Capture Date: 21/09/2000

Site Area: 3.86ha



## Recent site history - 1999 aerial photograph

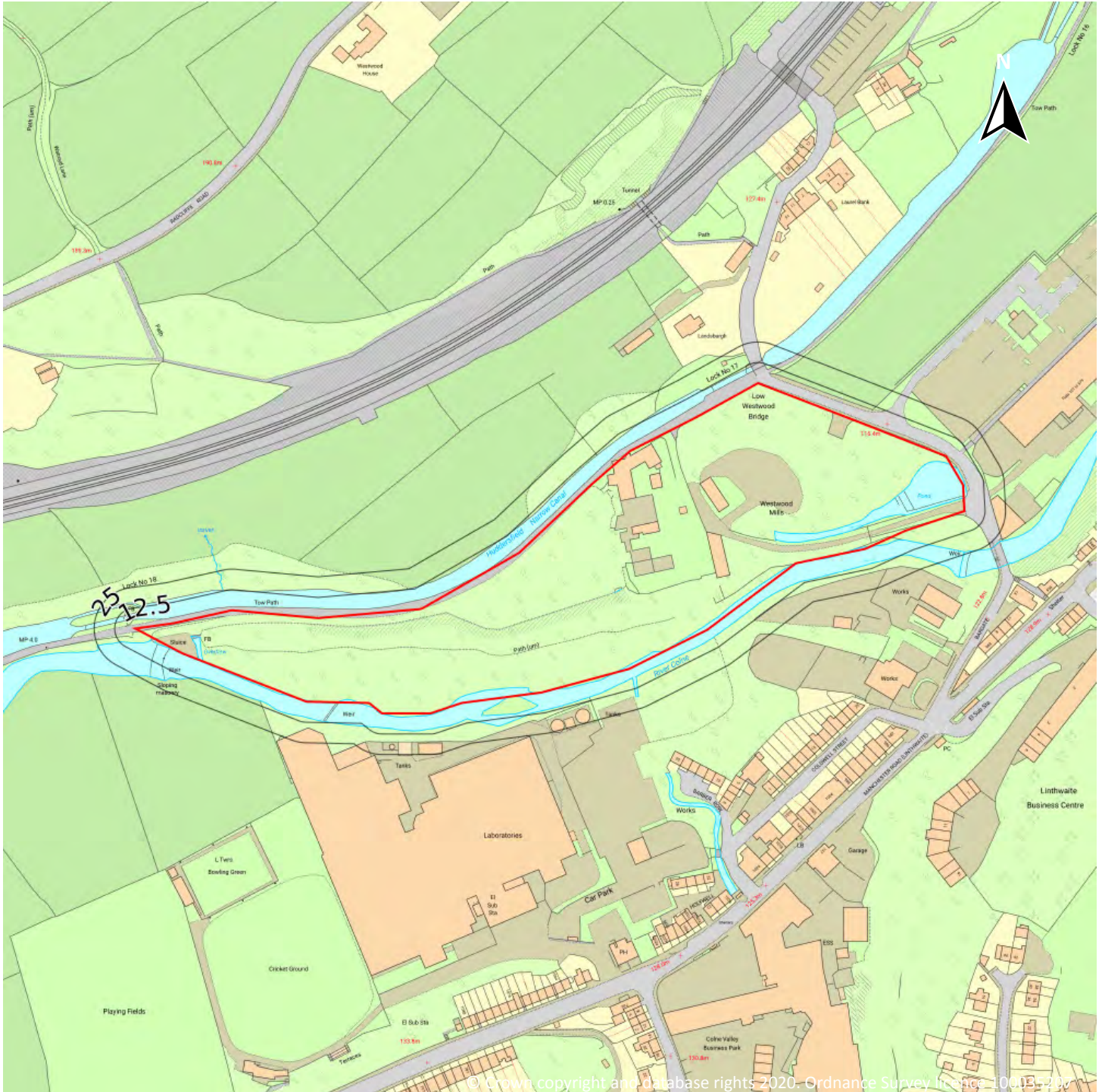


Capture Date: 05/09/1999

Site Area: 3.86ha



## OS MasterMap site plan

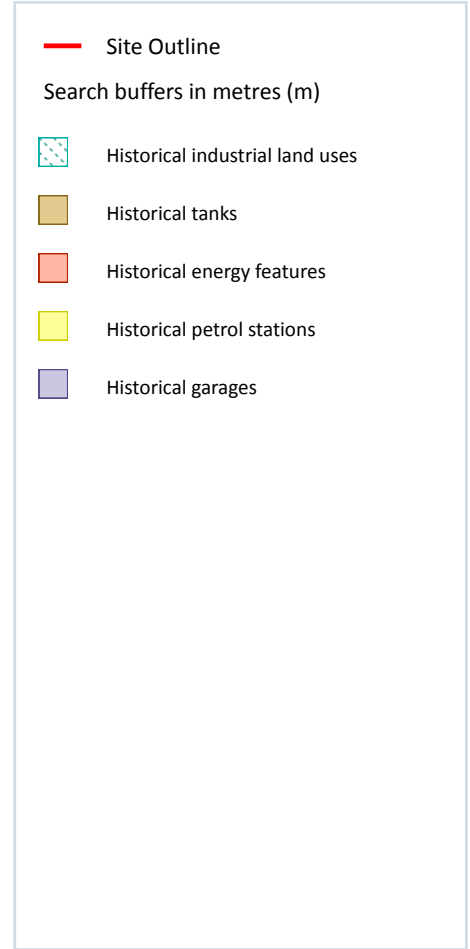
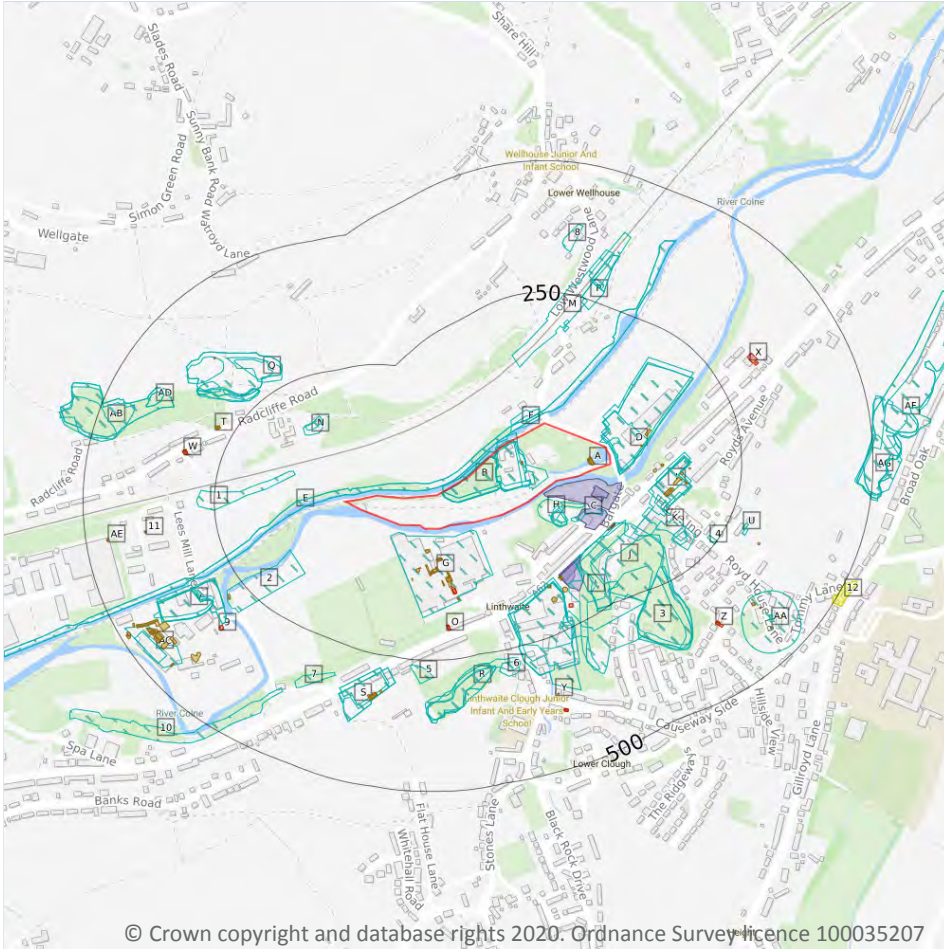


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Site Area: 3.86ha



# 1 Past land use



## 1.1 Historical industrial land uses

**Records within 500m** **101**

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 13**

ID	Location	Land use	Dates present	Group ID
B	On site	Mill Pond	1955	1465464

ID	Location	Land use	Dates present	Group ID
<b>B</b>	<b>On site</b>	<b>Unspecified Mills</b>	<b>1955</b>	<b>1475108</b>
<b>B</b>	<b>On site</b>	<b>Unspecified Mills</b>	<b>1930</b>	<b>1490608</b>
<b>B</b>	<b>On site</b>	<b>Unspecified Mills</b>	<b>1948</b>	<b>1497214</b>
<b>B</b>	<b>On site</b>	<b>Mill Pond</b>	<b>1930</b>	<b>1509485</b>
<b>B</b>	<b>On site</b>	<b>Mill Pond</b>	<b>1948</b>	<b>1524392</b>
<b>B</b>	<b>On site</b>	<b>Unspecified Mills</b>	<b>1978</b>	<b>1531256</b>
<b>B</b>	<b>On site</b>	<b>Unspecified Mills</b>	<b>1905</b>	<b>1550045</b>
<b>B</b>	<b>On site</b>	<b>Mill Pond</b>	<b>1905</b>	<b>1556132</b>
D	5m N	Unspecified Mills	1905	1419103
D	8m NE	Spinning Mills	1930	1441798
E	9m NW	Disused Canal	1978	1515293
E	9m NW	Disused Canal	1955	1537791
D	9m E	Unspecified Mill	1948	1421193
D	12m E	Spinning Mill	1955	1411062
F	12m NW	Unspecified Wharf	1905 - 1948	1463953
G	14m S	Unspecified Works	1978	1438147
H	15m SE	Unspecified Ground Workings	1978	1412092
F	22m NW	Unspecified Wharf	1955	1514110
H	38m SE	Refuse Heap	1955	1549325
H	45m SE	Unspecified Heap	1948	1414994
H	46m SE	Refuse Heap	1930	1484109
C	65m S	Refuse Heap	1905	1436498
I	89m SE	Dye Works	1948 - 1955	1495676
I	90m SE	Unspecified Works	1978	1438146
I	94m SE	Dye Works	1905	1528367
I	94m SE	Dye Works	1930	1541313
J	108m S	Unspecified Quarry	1948	1494207
1	109m NW	Unspecified Ground Workings	1905	1412095



ID	Location	Land use	Dates present	Group ID
K	110m SE	Brick Works	1905	1428862
J	111m S	Unspecified Quarry	1905 - 1930	1551540
L	114m S	Unspecified Ground Workings	1978	1412105
M	117m NW	Railway Sidings	1955	1516723
L	128m S	Unspecified Quarry	1930	1552133
N	140m N	Unspecified Heap	1948	1414997
2	140m SW	Unspecified Mill	1955	1421192
J	147m S	Unspecified Disused Quarry	1978	1448505
L	150m SE	Unspecified Mills	1955	1496206
N	151m NW	Unspecified Ground Workings	1955	1412094
L	156m SE	Unspecified Mills	1948	1505389
L	157m SE	Unspecified Mills	1978	1528649
L	158m SE	Unspecified Mills	1905 - 1930	1505883
M	178m N	Railway Building	1930	1428985
K	181m SE	Unspecified Tank	1955	1549021
K	187m SE	Unspecified Tank	1930	1515836
M	191m N	Railway Building	1955	1428986
J	217m SE	Unspecified Quarry	1955	1483946
3	220m SE	Unspecified Quarry	1905	1495610
4	231m SE	Unspecified Tank	1948	1433292
P	232m N	Railway Building	1905 - 1955	1550106
5	261m S	Unspecified Heap	1955	1414993
Q	262m NW	Unspecified Quarry	1930 - 1948	1492928
Q	263m NW	Refuse Heap	1948	1538431
R	264m S	Unspecified Quarry	1948 - 1955	1557735
Q	265m NW	Refuse Heap	1930	1475072
Q	266m NW	Refuse Heap	1905	1521477
R	268m S	Unspecified Quarry	1978	1535014



ID	Location	Land use	Dates present	Group ID
Q	272m NW	Unspecified Disused Quarry	1978	1448510
Q	272m NW	Unspecified Quarry	1955	1553479
S	273m S	Dye Works	1905	1485045
S	273m S	Dye Works	1948 - 1955	1521290
6	274m S	Unspecified Heap	1905 - 1948	1467512
S	274m S	Unspecified Works	1978	1438134
P	275m N	Railway Sidings	1948	1472165
P	275m N	Railway Sidings	1905	1492995
R	276m S	Unspecified Quarry	1905	1460480
R	278m S	Unspecified Quarry	1930	1537340
U	280m SE	Unspecified Tank	1955	1544950
Q	280m NW	Unspecified Quarry	1905	1495123
P	281m N	Railway Sidings	1930	1555200
S	283m S	Dye Works	1930	1495222
U	283m SE	Unspecified Tank	1930 - 1948	1489501
V	289m SW	Unspecified Mill	1930	1500719
V	292m SW	Unspecified Mill	1948	1526783
V	292m SW	Unspecified Mill	1905	1553631
7	307m S	Refuse Heap	1905	1436497
V	311m SW	Mill Pond	1955	1558035
V	315m SW	Mill Pond	1930	1505521
V	317m SW	Mill Pond	1948	1460701
V	317m SW	Mill Pond	1905	1548944
Q	318m NW	Unspecified Old Quarry	1905	1440675
8	330m N	Unspecified Pit	1905	1451752
Q	342m NW	Unspecified Quarry	1930 - 1948	1460183
AA	369m SE	Unspecified Tank	1948	1471210
10	371m SW	Unspecified Ground Workings	1955 - 1978	1549836



ID	Location	Land use	Dates present	Group ID
AB	373m NW	Unspecified Disused Quarry	1978	1448509
AB	373m NW	Unspecified Quarry	1955	1544494
AD	401m NW	Unspecified Pit	1948	1451738
AD	401m NW	Unspecified Old Quarry	1905	1440674
AA	417m SE	Unspecified Tank	1951	1478362
AC	423m SW	Unspecified Works	1978	1438148
AA	436m SE	Unspecified Tank	1930	1461640
AB	438m NW	Unspecified Quarry	1930 - 1948	1516768
AC	449m SW	Unspecified Mill	1930	1421186
AB	453m W	Unspecified Quarry	1905	1473362
AF	466m E	Unspecified Quarries	1930	1492947
AG	470m E	Unspecified Old Quarry	1905	1440656
AG	470m E	Unspecified Quarries	1948	1499449
AG	472m E	Refuse Heap	1984	1436539
AF	482m E	Unspecified Quarries	1951	1480851
AF	482m E	Unspecified Quarries	1969	1542349

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

**Records within 500m**

**79**

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

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
<b>A</b>	<b>On site</b>	<b>Tanks</b>	<b>1991</b>	<b>235728</b>
<b>A</b>	<b>On site</b>	<b>Tanks</b>	<b>1968</b>	<b>235758</b>





ID	Location	Land use	Dates present	Group ID
<b>A</b>	<b>On site</b>	<b>Tanks</b>	<b>1985</b>	<b>239175</b>
<b>A</b>	<b>On site</b>	<b>Tanks</b>	<b>1967</b>	<b>240711</b>
<b>A</b>	<b>On site</b>	<b>Tanks</b>	<b>1994 - 1996</b>	<b>247342</b>
<b>B</b>	<b>On site</b>	<b>Tanks</b>	<b>1892</b>	<b>230261</b>
G	39m S	Unspecified Tank	1991 - 1996	240647
G	55m S	Tanks	1985	242529
G	56m S	Tanks	1994 - 1996	236942
G	57m S	Tanks	1991	238549
D	62m E	Unspecified Tank	1892	222857
G	68m S	Tanks	1991 - 1996	243392
G	73m S	Tanks	1985	235272
G	74m S	Tanks	1994	242952
G	74m S	Tanks	1991	248211
G	74m S	Tanks	1967	230259
G	76m S	Tanks	1996	238497
D	78m NE	Tanks	1892	230268
G	81m S	Tanks	1985	247097
I	83m E	Unspecified Tank	1991 - 1996	238892
G	84m S	Tanks	1985	245909
G	86m S	Tanks	1968	235123
G	94m S	Tanks	1967	236751
I	97m E	Unspecified Tank	1991	244121
G	97m S	Unspecified Tank	1967	222915
I	97m E	Unspecified Tank	1994 - 1996	244369
G	99m S	Tanks	1968	230242
I	117m SE	Unspecified Tank	1892 - 1913	237724
I	121m SE	Tanks	1967	230260
I	125m E	Unspecified Tank	1906	249399



ID	Location	Land use	Dates present	Group ID
I	135m E	Unspecified Tank	1991 - 1996	239481
G	135m S	Unspecified Tank	1985	239640
I	137m E	Unspecified Tank	1892	249919
G	137m S	Unspecified Tank	1968	240150
G	137m S	Unspecified Tank	1967	246895
G	137m S	Unspecified Tank	1991	249109
G	138m S	Unspecified Tank	1994 - 1996	236759
I	146m E	Unspecified Tank	1967	222864
I	150m E	Unspecified Tank	1906	222858
L	153m SE	Tanks	1906	230241
L	157m SE	Tanks	1906	230238
L	161m SE	Tanks	1892	230240
L	176m SE	Unspecified Tank	1906	222910
L	184m SE	Unspecified Tank	1892	222912
T	277m NW	Unspecified Tank	1968 - 1990	239985
T	277m NW	Unspecified Tank	1967	248908
T	280m NW	Unspecified Tank	1913	241777
V	283m SW	Tanks	1892	230243
S	316m S	Unspecified Tank	1906	222914
U	319m SE	Unspecified Tank	1892	222863
S	322m S	Tanks	1991 - 1996	241974
S	322m S	Tanks	1985	235817
S	324m S	Tanks	1968	234328
S	324m S	Tanks	1967	248664
S	328m S	Tanks	1913	249068
Y	355m S	Unspecified Tank	1906	222911
Q	368m NW	Unspecified Tank	1913	222905
AA	377m SE	Tanks	1892	230239



ID	Location	Land use	Dates present	Group ID
11	384m W	Unspecified Tank	1967	222916
AA	394m SE	Tanks	1892	230237
AC	400m SW	Tanks	1991 - 1996	238988
AC	411m SW	Tanks	1991 - 1996	250163
AC	418m SW	Tanks	1991	230245
AC	423m SW	Tanks	1996	234480
AC	431m SW	Tanks	1996	233944
AC	433m SW	Tanks	1990 - 1996	241031
AC	434m SW	Tanks	1991	250292
AC	434m SW	Tanks	1990	246419
AA	434m SE	Unspecified Tank	1906	222868
AA	435m SE	Unspecified Tank	1913	222867
AC	440m SW	Tanks	1990	233563
AC	443m SW	Tanks	1990	241307
AC	444m SW	Tanks	1990	237254
AC	450m SW	Unspecified Tank	1991 - 1996	239707
AE	456m W	Unspecified Tank	1968	237726
AE	456m W	Unspecified Tank	1967	246127
AC	464m SW	Tanks	1996	230244
AC	480m SW	Tanks	1991 - 1996	235424
AC	485m SW	Unspecified Tank	1990	236380

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

### 1.3 Historical energy features

**Records within 500m**

**19**

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



Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
C	108m S	Electricity Substation	1968 - 1996	141463
C	110m S	Electricity Substation	1967	137041
G	114m S	Electricity Substation	1994 - 1996	138830
G	117m S	Electricity Substation	1968 - 1991	146358
O	184m S	Electricity Substation	1968 - 1996	143821
O	186m S	Electricity Substation	1967	140882
L	209m SE	Electricity Substation	1996	128888
W	314m W	Electricity Substation	1968 - 1991	142875
W	315m W	Electricity Substation	1996	137545
X	321m NE	Electricity Substation	1994	128887
X	326m NE	Electricity Substation	1996	128886
9	332m SW	Electricity Substation	1990 - 1996	143133
Z	361m SE	Electricity Substation	1985	132651
Z	362m SE	Electricity Substation	1968 - 1991	136291
Z	362m SE	Electricity Substation	1967	140313
Z	363m SE	Electricity Substation	1994 - 1996	144146
Y	387m S	Electricity Substation	1985	144855
Y	387m S	Electricity Substation	1968 - 1996	142701
Y	389m S	Electricity Substation	1967	135005

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

## 1.4 Historical petrol stations

**Records within 500m**

**1**

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

Features are displayed on the Past land use map on **page 13**



ID	Location	Land use	Dates present	Group ID
12	493m SE	Filling Station	1976 - 1982	2648

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

## 1.5 Historical garages

<b>Records within 500m</b>	<b>6</b>
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Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 13**

ID	Location	Land use	Dates present	Group ID
C	5m SE	Garage	1968	42062
C	29m SE	Garage	1985	42962
C	63m S	Garage	1968 - 1985	44983
L	140m SE	Garage	1994	42594
L	140m SE	Garage	1991	42061
L	143m SE	Garage	1996	42868

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

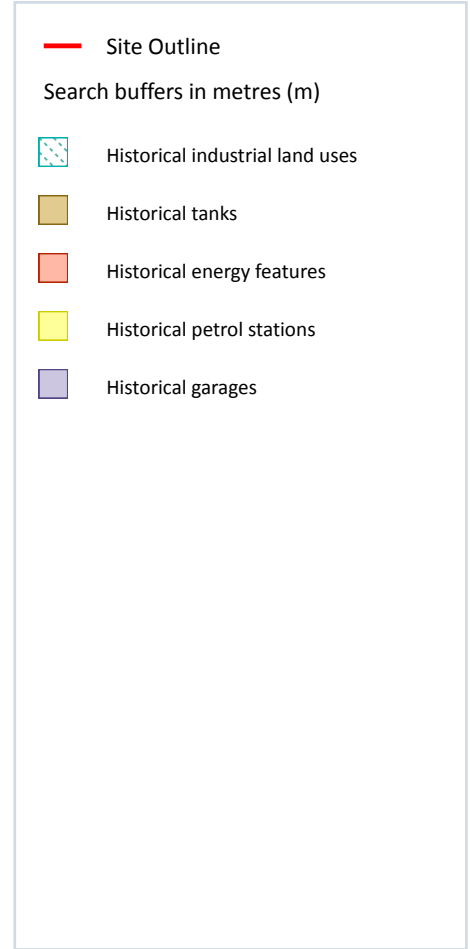
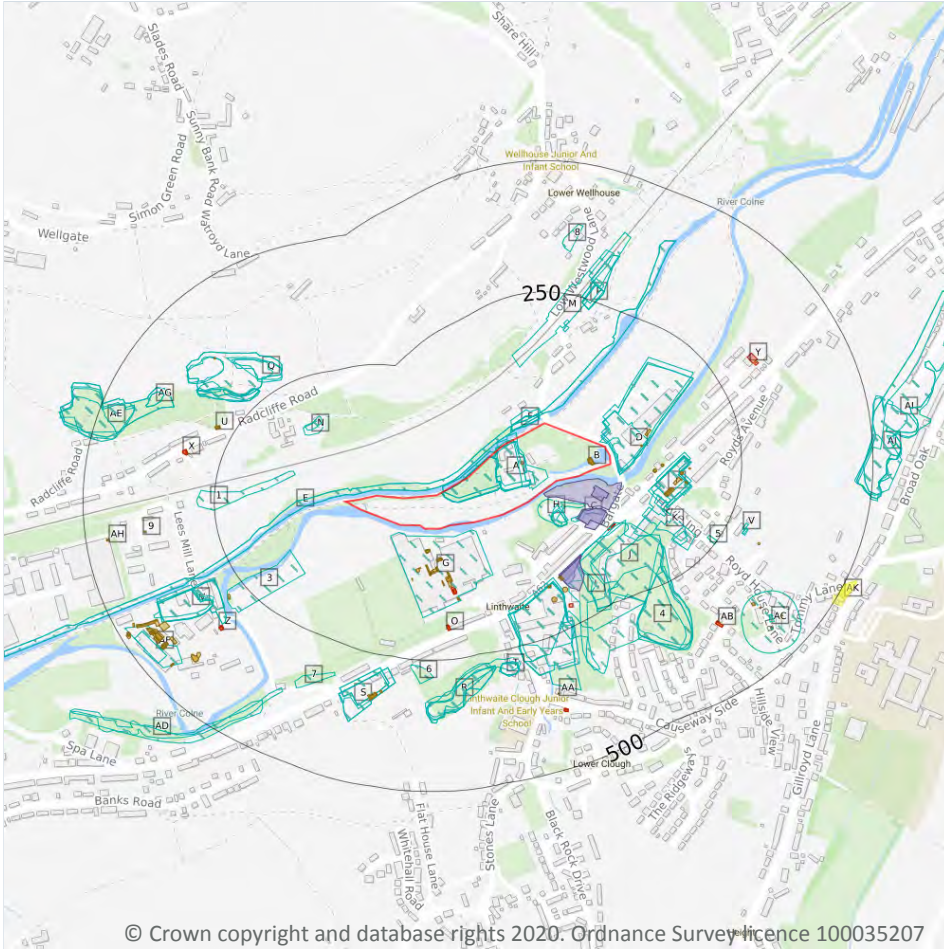
## 1.6 Historical military land

<b>Records within 500m</b>	<b>0</b>
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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

## 2 Past land use - un-grouped



### 2.1 Historical industrial land uses

<b>Records within 500m</b>	<b>122</b>
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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 23**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Mills	1978	1531256
A	On site	Mill Pond	1948	1524392
A	On site	Mill Pond	1905	1556132

ID	Location	Land Use	Date	Group ID
A	On site	Mill Pond	1955	1465464
A	On site	Unspecified Mills	1948	1497214
A	On site	Unspecified Mills	1905	1550045
A	On site	Unspecified Mills	1955	1475108
A	On site	Unspecified Mills	1930	1490608
A	On site	Mill Pond	1930	1509485
D	5m N	Unspecified Mills	1905	1419103
D	8m NE	Spinning Mills	1930	1441798
E	9m NW	Disused Canal	1978	1515293
E	9m NW	Disused Canal	1955	1537791
D	9m E	Unspecified Mill	1948	1421193
D	12m E	Spinning Mill	1955	1411062
F	12m NW	Unspecified Wharf	1948	1463953
F	12m NW	Unspecified Wharf	1905	1463953
F	12m NW	Unspecified Wharf	1930	1463953
F	12m NW	Unspecified Wharf	1930	1463953
G	14m S	Unspecified Works	1978	1438147
H	15m SE	Unspecified Ground Workings	1978	1412092
F	22m NW	Unspecified Wharf	1955	1514110
H	38m SE	Refuse Heap	1955	1549325
H	45m SE	Unspecified Heap	1948	1414994
H	46m SE	Refuse Heap	1930	1484109
H	46m SE	Refuse Heap	1930	1484109
C	65m S	Refuse Heap	1905	1436498
I	89m SE	Dye Works	1948	1495676
I	90m SE	Unspecified Works	1978	1438146
I	92m E	Dye Works	1955	1495676
I	94m SE	Dye Works	1905	1528367



ID	Location	Land Use	Date	Group ID
I	94m SE	Dye Works	1930	1541313
J	108m S	Unspecified Quarry	1948	1494207
1	109m NW	Unspecified Ground Workings	1905	1412095
K	110m SE	Brick Works	1905	1428862
2	111m S	Unspecified Quarry	1905	1551540
L	114m S	Unspecified Ground Workings	1978	1412105
M	117m NW	Railway Sidings	1955	1516723
L	128m S	Unspecified Quarry	1930	1552133
N	140m N	Unspecified Heap	1948	1414997
3	140m SW	Unspecified Mill	1955	1421192
J	147m S	Unspecified Disused Quarry	1978	1448505
L	150m SE	Unspecified Mills	1955	1496206
N	151m NW	Unspecified Ground Workings	1955	1412094
L	156m SE	Unspecified Mills	1948	1505389
L	157m SE	Unspecified Mills	1978	1528649
L	158m SE	Unspecified Mills	1930	1505883
L	158m SE	Unspecified Mills	1905	1505883
J	178m SE	Unspecified Quarry	1930	1551540
M	178m N	Railway Building	1930	1428985
K	181m SE	Unspecified Tank	1955	1549021
K	187m SE	Unspecified Tank	1930	1515836
M	191m N	Railway Building	1955	1428986
J	217m SE	Unspecified Quarry	1955	1483946
4	220m SE	Unspecified Quarry	1905	1495610
5	231m SE	Unspecified Tank	1948	1433292
P	232m N	Railway Building	1948	1550106
P	232m N	Railway Building	1905	1550106
P	233m N	Railway Building	1930	1550106





ID	Location	Land Use	Date	Group ID
P	244m N	Railway Building	1955	1550106
6	261m S	Unspecified Heap	1955	1414993
Q	262m NW	Unspecified Quarry	1930	1492928
Q	263m NW	Refuse Heap	1948	1538431
R	264m S	Unspecified Quarry	1955	1557735
Q	265m NW	Refuse Heap	1930	1475072
Q	265m NW	Refuse Heap	1930	1475072
Q	266m NW	Refuse Heap	1905	1521477
Q	266m NW	Unspecified Quarry	1948	1492928
R	268m S	Unspecified Quarry	1978	1535014
Q	272m NW	Unspecified Disused Quarry	1978	1448510
Q	272m NW	Unspecified Quarry	1955	1553479
S	273m S	Dye Works	1948	1521290
S	273m S	Dye Works	1905	1485045
T	274m S	Unspecified Heap	1930	1467512
T	274m S	Unspecified Heap	1930	1467512
S	274m S	Unspecified Works	1978	1438134
S	274m S	Dye Works	1955	1521290
P	275m N	Railway Sidings	1948	1472165
P	275m N	Railway Sidings	1905	1492995
T	275m S	Unspecified Heap	1948	1467512
T	275m S	Unspecified Heap	1905	1467512
R	276m S	Unspecified Quarry	1948	1557735
R	276m S	Unspecified Quarry	1905	1460480
R	278m S	Unspecified Quarry	1930	1537340
V	280m SE	Unspecified Tank	1955	1544950
Q	280m NW	Unspecified Quarry	1905	1495123
P	281m N	Railway Sidings	1930	1555200



ID	Location	Land Use	Date	Group ID
S	283m S	Dye Works	1930	1495222
V	283m SE	Unspecified Tank	1930	1489501
V	284m SE	Unspecified Tank	1948	1489501
W	289m SW	Unspecified Mill	1930	1500719
W	292m SW	Unspecified Mill	1948	1526783
W	292m SW	Unspecified Mill	1905	1553631
7	307m S	Refuse Heap	1905	1436497
W	311m SW	Mill Pond	1955	1558035
W	315m SW	Mill Pond	1930	1505521
W	317m SW	Mill Pond	1948	1460701
W	317m SW	Mill Pond	1905	1548944
Q	318m NW	Unspecified Old Quarry	1905	1440675
8	330m N	Unspecified Pit	1905	1451752
Q	342m NW	Unspecified Quarry	1930	1460183
Q	343m NW	Unspecified Quarry	1948	1460183
AC	369m SE	Unspecified Tank	1948	1471210
AD	371m SW	Unspecified Ground Workings	1955	1549836
AE	373m NW	Unspecified Disused Quarry	1978	1448509
AE	373m NW	Unspecified Quarry	1955	1544494
AG	401m NW	Unspecified Old Quarry	1905	1440674
AG	401m NW	Unspecified Pit	1948	1451738
AD	408m SW	Unspecified Ground Workings	1978	1549836
AC	417m SE	Unspecified Tank	1951	1478362
AF	423m SW	Unspecified Works	1978	1438148
AC	436m SE	Unspecified Tank	1930	1461640
AE	438m NW	Unspecified Quarry	1948	1516768
AE	438m W	Unspecified Quarry	1930	1516768
AF	449m SW	Unspecified Mill	1930	1421186



ID	Location	Land Use	Date	Group ID
AE	453m W	Unspecified Quarry	1905	1473362
AI	466m E	Unspecified Quarries	1930	1492947
AJ	470m E	Unspecified Quarries	1948	1499449
AJ	470m E	Unspecified Old Quarry	1905	1440656
AJ	472m E	Refuse Heap	1984	1436539
AI	482m E	Unspecified Quarries	1969	1542349
AI	482m E	Unspecified Quarries	1951	1480851

This data is sourced from Ordnance Survey / Groundsure.

## 2.2 Historical tanks

**Records within 500m**

**107**

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 23**

ID	Location	Land Use	Date	Group ID
<b>A</b>	<b>On site</b>	<b>Tanks</b>	<b>1892</b>	<b>230261</b>
<b>B</b>	<b>On site</b>	<b>Tanks</b>	<b>1994</b>	<b>247342</b>
<b>B</b>	<b>On site</b>	<b>Tanks</b>	<b>1967</b>	<b>240711</b>
<b>B</b>	<b>On site</b>	<b>Tanks</b>	<b>1991</b>	<b>235728</b>
<b>B</b>	<b>On site</b>	<b>Tanks</b>	<b>1968</b>	<b>235758</b>
<b>B</b>	<b>On site</b>	<b>Tanks</b>	<b>1985</b>	<b>239175</b>
<b>B</b>	<b>On site</b>	<b>Tanks</b>	<b>1996</b>	<b>247342</b>
G	39m S	Unspecified Tank	1994	240647
G	39m S	Unspecified Tank	1996	240647
G	40m S	Unspecified Tank	1991	240647
G	55m S	Tanks	1985	242529
G	56m S	Tanks	1994	236942
G	56m S	Tanks	1996	236942



ID	Location	Land Use	Date	Group ID
G	57m S	Tanks	1991	238549
D	62m E	Unspecified Tank	1892	222857
G	68m S	Tanks	1991	243392
G	70m S	Tanks	1996	243392
G	73m S	Tanks	1985	235272
G	74m S	Tanks	1994	242952
G	74m S	Tanks	1991	248211
G	74m S	Tanks	1967	230259
G	76m S	Tanks	1996	238497
D	78m NE	Tanks	1892	230268
G	81m S	Tanks	1985	247097
I	83m E	Unspecified Tank	1994	238892
I	83m E	Unspecified Tank	1996	238892
I	83m E	Unspecified Tank	1991	238892
G	84m S	Tanks	1985	245909
G	86m S	Tanks	1968	235123
G	94m S	Tanks	1967	236751
I	97m E	Unspecified Tank	1991	244121
G	97m S	Unspecified Tank	1967	222915
I	97m E	Unspecified Tank	1994	244369
I	97m E	Unspecified Tank	1996	244369
G	99m S	Tanks	1968	230242
I	117m SE	Unspecified Tank	1913	237724
I	117m SE	Unspecified Tank	1892	237724
I	121m SE	Tanks	1967	230260
I	125m E	Unspecified Tank	1906	249399
I	135m E	Unspecified Tank	1994	239481
I	135m E	Unspecified Tank	1991	239481



ID	Location	Land Use	Date	Group ID
I	135m E	Unspecified Tank	1996	239481
G	135m S	Unspecified Tank	1985	239640
I	137m E	Unspecified Tank	1892	249919
G	137m S	Unspecified Tank	1967	246895
G	137m S	Unspecified Tank	1991	249109
G	137m S	Unspecified Tank	1968	240150
G	138m S	Unspecified Tank	1994	236759
G	138m S	Unspecified Tank	1996	236759
I	146m E	Unspecified Tank	1967	222864
I	150m E	Unspecified Tank	1906	222858
L	153m SE	Tanks	1906	230241
L	157m SE	Tanks	1906	230238
L	161m SE	Tanks	1892	230240
L	176m SE	Unspecified Tank	1906	222910
L	184m SE	Unspecified Tank	1892	222912
U	277m NW	Unspecified Tank	1967	248908
U	277m NW	Unspecified Tank	1968	239985
U	277m NW	Unspecified Tank	1990	239985
U	277m NW	Unspecified Tank	1990	239985
U	280m NW	Unspecified Tank	1913	241777
W	283m SW	Tanks	1892	230243
S	316m S	Unspecified Tank	1906	222914
V	319m SE	Unspecified Tank	1892	222863
S	322m S	Tanks	1994	241974
S	322m S	Tanks	1996	241974
S	322m S	Tanks	1985	235817
S	324m S	Tanks	1967	248664
S	324m S	Tanks	1991	241974



ID	Location	Land Use	Date	Group ID
S	324m S	Tanks	1968	234328
S	328m S	Tanks	1913	249068
AA	355m S	Unspecified Tank	1906	222911
Q	368m NW	Unspecified Tank	1913	222905
AC	377m SE	Tanks	1892	230239
9	384m W	Unspecified Tank	1967	222916
AC	394m SE	Tanks	1892	230237
AF	400m SW	Tanks	1996	238988
AF	408m SW	Tanks	1991	238988
AF	411m SW	Tanks	1996	250163
AF	418m SW	Tanks	1991	230245
AF	423m SW	Tanks	1996	234480
AF	423m SW	Tanks	1991	250163
AF	431m SW	Tanks	1996	233944
AF	433m SW	Tanks	1996	241031
AF	433m SW	Tanks	1991	241031
AF	434m SW	Tanks	1991	250292
AF	434m SW	Tanks	1990	246419
AF	434m SW	Tanks	1990	246419
AC	434m SE	Unspecified Tank	1906	222868
AC	435m SE	Unspecified Tank	1913	222867
AF	437m SW	Tanks	1990	241031
AF	437m SW	Tanks	1990	241031
AF	440m SW	Tanks	1990	233563
AF	440m SW	Tanks	1990	233563
AF	443m SW	Tanks	1990	241307
AF	443m SW	Tanks	1990	241307
AF	444m SW	Tanks	1990	237254



ID	Location	Land Use	Date	Group ID
AF	444m SW	Tanks	1990	237254
AF	450m SW	Unspecified Tank	1996	239707
AF	450m SW	Unspecified Tank	1991	239707
AH	456m W	Unspecified Tank	1967	246127
AH	456m W	Unspecified Tank	1968	237726
AF	464m SW	Tanks	1996	230244
AF	480m SW	Tanks	1996	235424
AF	482m SW	Tanks	1991	235424
AF	485m SW	Unspecified Tank	1990	236380
AF	485m SW	Unspecified Tank	1990	236380

This data is sourced from Ordnance Survey / Groundsure.

## 2.3 Historical energy features

**Records within 500m**

**40**

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 23**

ID	Location	Land Use	Date	Group ID
C	108m S	Electricity Substation	1994	141463
C	108m S	Electricity Substation	1996	141463
C	110m S	Electricity Substation	1967	137041
C	110m S	Electricity Substation	1991	141463
C	110m S	Electricity Substation	1968	141463
G	114m S	Electricity Substation	1994	138830
G	114m S	Electricity Substation	1996	138830
G	117m S	Electricity Substation	1985	146358
G	119m S	Electricity Substation	1991	146358
G	119m S	Electricity Substation	1968	146358



ID	Location	Land Use	Date	Group ID
O	184m S	Electricity Substation	1985	143821
O	186m S	Electricity Substation	1967	140882
O	186m S	Electricity Substation	1991	143821
O	186m S	Electricity Substation	1968	143821
O	186m S	Electricity Substation	1994	143821
O	186m S	Electricity Substation	1996	143821
L	209m SE	Electricity Substation	1996	128888
X	314m W	Electricity Substation	1968	142875
X	315m W	Electricity Substation	1991	142875
X	315m W	Electricity Substation	1996	137545
X	316m W	Electricity Substation	1990	142875
X	316m W	Electricity Substation	1990	142875
Y	321m NE	Electricity Substation	1994	128887
Y	326m NE	Electricity Substation	1996	128886
Z	332m SW	Electricity Substation	1996	143133
Z	334m SW	Electricity Substation	1991	143133
Z	336m SW	Electricity Substation	1990	143133
Z	336m SW	Electricity Substation	1990	143133
AB	361m SE	Electricity Substation	1985	132651
AB	362m SE	Electricity Substation	1967	140313
AB	362m SE	Electricity Substation	1991	136291
AB	362m SE	Electricity Substation	1968	136291
AB	363m SE	Electricity Substation	1994	144146
AB	363m SE	Electricity Substation	1996	144146
AA	387m S	Electricity Substation	1985	144855
AA	387m S	Electricity Substation	1994	142701
AA	387m S	Electricity Substation	1996	142701
AA	389m S	Electricity Substation	1967	135005





ID	Location	Land Use	Date	Group ID
AA	389m S	Electricity Substation	1991	142701
AA	389m S	Electricity Substation	1968	142701

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

## 2.4 Historical petrol stations

### Records within 500m

2

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'.

Features are displayed on the Past land use - un-grouped map on **page 23**

ID	Location	Land Use	Date	Group ID
AK	493m SE	Filling Station	1976	2648
AK	499m SE	Filling Station	1982	2648

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

## 2.5 Historical garages

### Records within 500m

7

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 23**

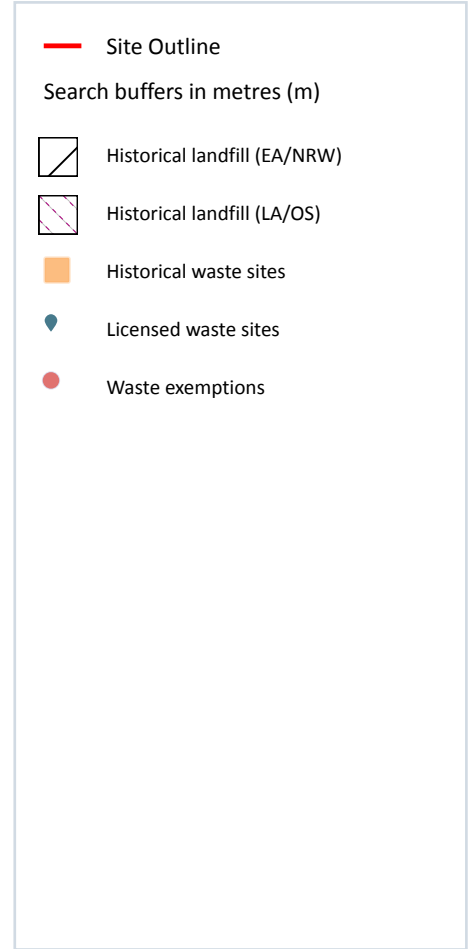
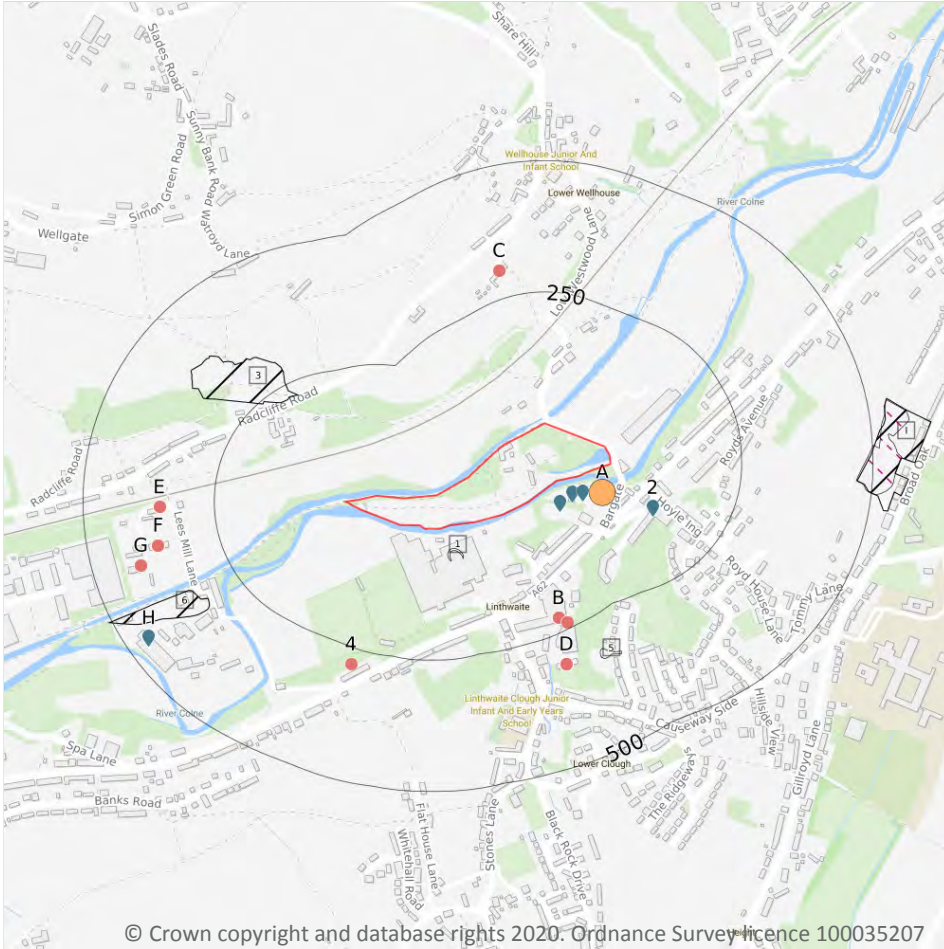
ID	Location	Land Use	Date	Group ID
C	5m SE	Garage	1968	42062
C	29m SE	Garage	1985	42962
C	63m S	Garage	1985	44983
C	64m S	Garage	1968	44983
L	140m SE	Garage	1994	42594
L	140m SE	Garage	1991	42061
L	143m SE	Garage	1996	42868



*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)

<b>Records within 500m</b>	<b>3</b>
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Landfill sites identified from Local Authority records and high detail historical mapping.

Features are displayed on the Waste and landfill map on **page 36**

ID	Location	Site address	Source	Data type
1	43m S	Refuse Tip	1967 mapping	Polygon
5	313m SE	Refuse Tip	1967 mapping	Polygon
I	469m E	Refuse Tip	1982 mapping	Polygon

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

### 3.4 Historical landfill (EA/NRW records)

<b>Records within 500m</b>	<b>3</b>
----------------------------	----------

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

Features are displayed on the Waste and landfill map on **page 36**

ID	Location	Details		
3	222m NW	Site Address: Dunnock Quarry, Spout Field, off Radcliffe Road, Golcar, Near Huddersfield Licence Holder Address: 36 Upper Wateroid, Bolster, Golcar, Huddersfield	Waste Licence: Yes Site Reference: 4700/0077 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 22/07/1977 Licence Surrender: 26/04/1994	Operator: - Licence Holder: Mr M E Peate First Recorded 01/01/1926 Last Recorded: -
6	320m SW	Site Address: Lees Mill, Lees Mill Lane, Slaithwaite, Huddersfield Licence Holder Address: Lees Mill, Lees Mill Lane, Slaithwaite, Huddersfield	Waste Licence: Yes Site Reference: 4700/1131 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 26/06/1992 Licence Surrender: 25/11/1993	Operator: - Licence Holder: Collins Prestwich and Company Limited First Recorded 01/01/1974 Last Recorded: -

ID	Location	Details		
I	470m E	Site Address: Cowersley Lane Quarry, Cowersley Lane, Linthwaite, Huddersfield Licence Holder Address: Ryefields Estate, Scholes, Holmfirth, Huddersfield	Waste Licence: Yes Site Reference: 4700/0361 Waste Type: Inert, Commercial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 07/04/1983 Licence Surrender: 17/03/1997	Operator: - Licence Holder: Messrs Conroy and Booth First Recorded 01/01/1969 Last Recorded: 31/12/1994

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

### 3.5 Historical waste sites

<b>Records within 500m</b>	<b>2</b>
----------------------------	----------

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

Features are displayed on the Waste and landfill map on **page 36**

ID	Location	Address	Further Details	Date
A	21m S	Site Address: Linthwaite Business Centre,1, Manchester Road, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QS	Type of Site: Waste Transfer Centre Planning application reference: 2010/91709 Description: Scheme comprises change of use from B8 to waste transfer centre and alterations (within a conservation area). An application (ref: 2010/91709) for detailed planning permission was submitted to Kirklees B.C. A detailed planning application has been submit ted. Data source: Historic Planning Application Data Type: Point	03/07/201 1
A	21m S	Site Address: Linthwaite Business Centre, Manchester Road, Linthwaite, HUDDERSFIELD, West Yorkshire, HD7 5QS	Type of Site: Waste Transfer Centre Planning application reference: 2010/62/91709/W0 Description: Scheme comprises change of use from B8 to waste transfer centre and alterations (within a conservation area). An application (ref: 2010/62/91709/W0) for detailed planning permission was granted by Kirklees B.C. A detailed planning application has been gr anted. Data source: Historic Planning Application Data Type: Point	10/05/201 1

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



### 3.6 Licensed waste sites

Records within 500m

6

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

 Features are displayed on the Waste and landfill map on **page 36**

ID	Location	Details		
A	31m S	Site Name: Bargate Motors Spares Ltd Site Address: Unit 1, Bargate Yard, Bargate, Huddersfield, West Yorkshire, HD7 5QW Correspondence Address: -	Type of Site: Vehicle Depollution Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ANI001 EPR reference: EA/EPR/EB3405TA/A001 Operator: Nasaar Anik Waste Management licence No: 403498 Annual Tonnage: 5000	Issue Date: 22/12/2016 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
A	33m S	Site Name: Bargate Motor Spares Site Address: Bargate Motor Spares, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QW Correspondence Address: -	Type of Site: ELV Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 000132 EPR reference: EA/EPR/HP3192ZM/A001 Operator: Crowther Robert Waste Management licence No: 65348 Annual Tonnage: 2500	Issue Date: 10/02/2005 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Revoked
A	38m SE	Site Name: Bargate Motor Spares Site Address: Bargate Motor Spares, Bargate, Huddersfield, West Yorkshire, HD7 5QW Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: BAR003 EPR reference: EA/EPR/GP3595ZW/S002 Operator: Bargate Motor Spares Waste Management licence No: 61010 Annual Tonnage: 336	Issue Date: 25/02/1992 Effective Date: - Modified:: - Surrendered Date: Jan 8 2001 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
2	115m SE	Site Name: Ruby Skip Hire Ltd Site Address: Unit 1 Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QS Correspondence Address: -	Type of Site: 75kte HCI Waste Transfer Station Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RUB021 EPR reference: EA/EPR/WP3494EK/V002 Operator: Ruby Skip Hire Ltd Waste Management licence No: 102648 Annual Tonnage: 74999	Issue Date: 21/04/2011 Effective Date: - Modified:: 30/08/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Expired
H	456m SW	Site Name: Grosvenor Chemicals Site Address: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Correspondence Address: -	Type of Site: - Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRO001 EPR reference: EA/EPR/TP3495ZM/A001 Operator: Grosvenor Chemicals Limited Waste Management licence No: 61036 Annual Tonnage: 600	Issue Date: 13/07/1993 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	456m SW	Site Name: Grosvenor Chemicals Site Address: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Correspondence Address: -	Type of Site: In-House Storage Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: GRO001 EPR reference: EA/EPR/TP3495ZM/A001 Operator: Grosvenor Chemicals Limited Waste Management licence No: 61036 Annual Tonnage: 600	Issue Date: 13/07/1993 Effective Date: - Modified:: - Surrendered Date: - Expiry Date: 01/06/2010 Cancelled Date: - Status: Expired

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

### 3.7 Waste exemptions

**Records within 500m**

**44**

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 36**



ID	Location	Site	Reference	Category	Sub-Category	Description
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Storing waste exemption	Not on a Farm	Storage of waste in a secure place
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Treating waste exemption	Not on a Farm	Manual treatment of waste
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Treating waste exemption	Not on a Farm	Recovery of scrap metal
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Treating waste exemption	Not on a Farm	Recovery of textiles
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Storing waste exemption	Not on a Farm	Storage of waste in secure containers
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Treating waste exemption	Not on a Farm	Sorting mixed waste
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Treating waste exemption	Not on a Farm	Preparatory treatments (baling, sorting, shredding etc)
B	224m SE	UNIT 10, COLNE VALLEY BUSINESS PARK MCR RD, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX157944	Using waste exemption	Not on a Farm	Use of waste to manufacture finished goods
B	239m SE	Unit 114 Colne Valley Business Park HUDDERSFIELD HD7 5QG	EPR/TF0809PS /A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting mixed waste
B	239m SE	Unit 114 Colne Valley Business Park HUDDERSFIELD HD7 5QG	EPR/TF0809PS /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of textiles
B	239m SE	Unit 114 Colne Valley Business Park HUDDERSFIELD HD7 5QG	EPR/TF0809PS /A001	Treating waste exemption	Non-Agricultural Waste Only	Recovery of scrap metal





ID	Location	Site	Reference	Category	Sub-Category	Description
4	282m S	-	WEX020457	Using waste exemption	Not on a farm	Use of waste in construction
C	302m N	Wellhouse Field Farm Golcar HD7 4ET	EPR/NE5256DJ /A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
C	302m N	Wellhouse Field Farm Golcar HD7 4ET	EPR/NE5256DJ /A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX185320	Disposing of waste exemption	Not on a farm	Burning waste in the open
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX185320	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX186637	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX105125	Disposing of waste exemption	Not on a farm	Burning waste in the open
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX105125	Treating waste exemption	Not on a farm	Recovery of scrap metal
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX185320	Treating waste exemption	Not on a farm	Recovery of textiles
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX185320	Treating waste exemption	Not on a farm	Sorting mixed waste
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX186637	Treating waste exemption	Not on a farm	Manual treatment of waste



ID	Location	Site	Reference	Category	Sub-Category	Description
D	310m SE	UNIT 114, COLNE VALLEY BUSINESS PARK, LINTHWAITE, HUDDERSFIELD, HD7 5QG	WEX105125	Treating waste exemption	Not on a farm	Recovery of textiles
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from a portable sanitary convenience
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Preparatory treatments (baling, sorting, shredding etc)
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of mulch
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading of plant matter to confer benefit



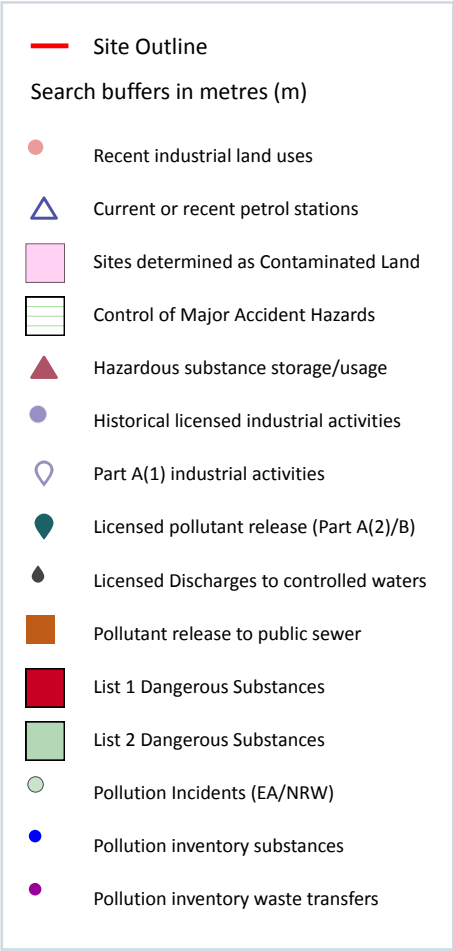
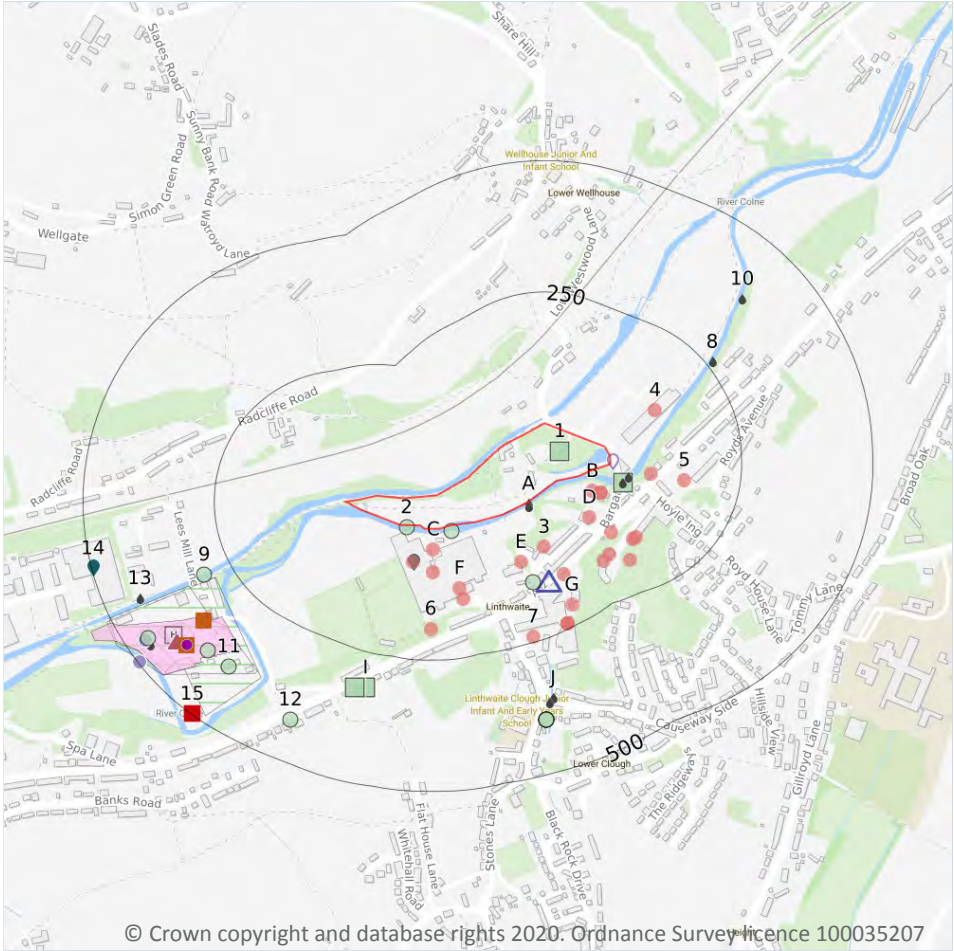
ID	Location	Site	Reference	Category	Sub-Category	Description
E	355m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/BH0914D W/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste for a specified purpose
F	367m W	BANK BOTTOM FARM, BANK BOTTOM, GOLCAR, HUDDERSFIELD, HD7 4HB	WEX158102	Using waste exemption	On a Farm	Spreading of plant matter to confer benefit
F	367m W	BANK BOTTOM FARM, BANK BOTTOM, GOLCAR, HUDDERSFIELD, HD7 4HB	WEX158102	Using waste exemption	On a Farm	Use of waste in construction
F	367m W	BANK BOTTOM FARM, BANK BOTTOM, GOLCAR, HUDDERSFIELD, HD7 4HB	WEX158102	Using waste exemption	On a Farm	Use of mulch
F	367m W	BANK BOTTOM FARM, BANK BOTTOM, GOLCAR, HUDDERSFIELD, HD7 4HB	WEX158102	Disposing of waste exemption	On a Farm	Burning waste in the open
F	367m W	BANK BOTTOM FARM, BANK BOTTOM, GOLCAR, HUDDERSFIELD, HD7 4HB	WEX158102	Treating waste exemption	On a Farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
F	367m W	BANK BOTTOM FARM, BANK BOTTOM, GOLCAR, HUDDERSFIELD, HD7 4HB	WEX158102	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
G	409m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/ZF0600W W/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Burning waste in the open
G	409m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/ZF0600W W/A001	Treating waste exemption	Both agricultural and non- agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
G	409m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/ZF0600W W/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
G	409m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/ZF0600W W/A001	Using waste exemption	Both agricultural and non- agricultural waste	Spreading waste on agricultural land to confer benefit
G	409m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/ZF0600W W/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of mulch
G	409m W	Bank Bottom Farm Golcar Yorkshire HD7 4HB	EPR/ZF0600W W/A001	Using waste exemption	Both agricultural and non- agricultural waste	Spreading of plant matter to confer benefit

*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** **27**

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Company	Address	Activity	Category
B	37m SE	Works	West Yorkshire, HD7	Unspecified Works Or Factories	Industrial Features
C	40m S	Tank	West Yorkshire, HD7	Tanks (Generic)	Industrial Features
B	45m S	Valley Gas Ltd	Bargate Works, Bargate, Linthwaite, Huddersfield, West Yorkshire, HD7 5QW	Fuel Distributors and Suppliers	Household, Office, Leisure and Garden

ID	Location	Company	Address	Activity	Category
B	45m S	Bargate Fabrications & Sheet Metals	Unit 1 Bargate Works, Bargate, Huddersfield, West Yorkshire, HD7 5QW	Metalworkers Including Blacksmiths	Construction Services
C	67m S	Thornton & Ross Ltd	Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QH	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
B	80m E	Phantom Head Dental	948, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QS	Medical Equipment, Supplies and Pharmaceuticals	Industrial Products
D	81m S	Works	West Yorkshire, HD7	Unspecified Works Or Factories	Industrial Features
C	84m S	Tank	West Yorkshire, HD7	Tanks (Generic)	Industrial Features
3	90m SE	A & S Joinery	Coldwell Street, Linthwaite, Huddersfield, West Yorkshire, HD7 5QN	General Construction Supplies	Industrial Products
E	97m S	Works	West Yorkshire, HD7	Unspecified Works Or Factories	Industrial Features
4	118m NE	Posable	Apartment 330 Titanic Mills, Low Westwood Lane, Linthwaite, Huddersfield, West Yorkshire, HD7 5UN	Office and Shop Equipment	Industrial Products
F	120m S	Electricity Sub Station	West Yorkshire, HD7	Electrical Features	Infrastructure and Facilities
D	122m SE	Electricity Sub Station	West Yorkshire, HD7	Electrical Features	Infrastructure and Facilities
F	140m S	Tank	West Yorkshire, HD7	Tanks (Generic)	Industrial Features
5	144m E	Chimney	West Yorkshire, HD7	Chimneys	Industrial Features
D	148m S	Forktruck Services UK Ltd	Unit 5 Linthwaite Business Centre, Manchester Road, Huddersfield, West Yorkshire, HD7 5QS	Lifting and Handling Equipment	Industrial Products
D	148m S	Genesis Tyres & Alloys	Unit 4 Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QS	Vehicle Parts and Accessories	Motoring
E	154m SE	Reliance Garage	747, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QQ	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	160m S	R Hardy Electrical Engineers Ltd	Unit 8 Linthwaite Business Centre, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QS	Electrical and Electronic Engineers	Engineering Services



ID	Location	Company	Address	Activity	Category
D	168m S	Huddersfield M O T Centre	Unit 10 Linthwaite Business Centre, Manchester Road, Huddersfield, West Yorkshire, HD7 5QS	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	184m S	Linthwaite Business Centre	West Yorkshire, HD7	Business Parks and Industrial Estates	Industrial Features
6	191m S	Electricity Sub Station	West Yorkshire, HD7	Electrical Features	Infrastructure and Facilities
G	212m SE	Electricity Sub Station	West Yorkshire, HD7	Electrical Features	Infrastructure and Facilities
7	239m S	Colne Valley Business Park	West Yorkshire, HD7	Business Parks and Industrial Estates	Industrial Features
G	241m SE	J D Flooring	Unit 113, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG	Construction Completion Services	Construction Services
G	241m SE	A V Installations	Unit 39, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG	Electronic Equipment	Industrial Products
G	241m SE	Electrical Supplies Ltd	Unit 113, Colne Valley Business Park, Linthwaite, Huddersfield, West Yorkshire, HD7 5QG	Electrical Equipment Repair and Servicing	Repair and Servicing

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m**

**1**

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Company	Address	LPG	Status
E	152m SE	UNBRANDED	Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QQ	Not Applicable	Obsolete

*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

1

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

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Description	Site name	Category	Year identified
H	322m SW	Not given	Grosvenor Chemicals, Grosvenor Works, Lees Mills Lae, Linthwaite, Huddersfield, HD7 5QE	Contaminated Land	2002

*This data is sourced from Local Authority records.*

### 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

2

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

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Company	Address	Operational status	Tier
H	287m SW	J T Grosvenor Limited	J T Grosvenor Limited, Huddersfield, Grosvenor Works, Manchester Road, Huddersfield, West Yorkshire, HD7 5QE	Current COMAH Site	COMAH Lower Tier Operator



ID	Location	Company	Address	Operational status	Tier
H	330m SW	J T Grosvenor Limited	J T Grosvenor Limited, Huddersfield, Grosvenor Works, Manchester Road, Huddersfield, West Yorkshire, HD7 5QE	Current COMAH Site	COMAH Lower Tier Operator

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

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

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

<b>Records within 500m</b>	<b>4</b>
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Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Details	
H	418m SW	Application reference number: 99/93076 Application status: Approved Application date: 26/10/1999 Address: Grosvenor Chemicals Ltd, Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, West Yorkshire, England, HD7 5QE	Details: Deemed Consent for the presence of very toxic and toxic substances. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	418m SW	Application reference number: 2007/93099 Application status: Historical Consent Application date: 23/07/2007 Address: Grosvenor Chemicals Ltd, Grosvenor Site, Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE	Details: Storage and use of hazardous substances. Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	418m SW	Application reference number: 94/93691 Application status: Withdrawn Application date: 18/11/1994 Address: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE	Details: Hazardous substances consent for propylene oxide Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Details	
H	418m SW	Application reference number: 93/04422 Application status: Historical Consent Application date: 17/09/1993 Address: Grosvenor Works, Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE	Details: Hazardous substances consent for propylene oxide Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

<b>Records within 500m</b>	<b>23</b>
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Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

Features are displayed on the Current industrial land use map on **page 46**

ID	Location	Details	
H	407m SW	Operator: Whyte Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BV5785	Original Permit Number: IPCMINVAR Date Approved: - Effective Date: - Status: Valid
H	407m SW	Operator: Whyte Chemicals Ltd Address: Grosvenor Works, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Process: Inorganic Chemical Processes Permit Number: AU0040	Original Permit Number: IPCAPP Date Approved: 11-1-1996 Effective Date: 22-1-1996 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: AY3296	Original Permit Number: IPCAPP Date Approved: 31-10-1997 Effective Date: 31-10-1997 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BC0987	Original Permit Number: IPCAPP Date Approved: 30-3-1999 Effective Date: 1-4-1999 Status: Superseded By Variation
H	407m SW	Operator: Whyte Chemicals Ltd Address: Grosvenor Works, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Process: Inorganic Chemical Processes Permit Number: BD3442	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Surrendered



ID	Location	Details	
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BD9106	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BH3932	Original Permit Number: IPCMINVAR Date Approved: 19-11-1999 Effective Date: 22-11-1999 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Manchester Road, Linthwaite, Huddersfield, West Yorkshire, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BH6788	Original Permit Number: IPCMINVAR Date Approved: 26-1-2000 Effective Date: 28-1-2000 Status: Revoked - Now Ippc
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BH9728	Original Permit Number: IPCMAJVAR Date Approved: 12-7-2000 Effective Date: 14-7-2000 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BJ5554	Original Permit Number: IPCMINVAR Date Approved: 25-10-2000 Effective Date: 26-10-2000 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BL0197	Original Permit Number: IPCMAJVAR Date Approved: 5-9-2001 Effective Date: 7-9-2001 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BQ3690	Original Permit Number: IPCMINVAR Date Approved: 16-5-2002 Effective Date: 20-5-2002 Status: Superseded By Variation
H	407m SW	Operator: Grosvenor Chemicals Ltd Address: Grosvenor Works, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BX0652	Original Permit Number: IPCMINVAR Date Approved: 23-12-2003 Effective Date: 2-1-2004 Status: Revoked - Now Ippc
H	464m SW	Operator: Whyte Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BV5793	Original Permit Number: IPCMINVAR Date Approved: - Effective Date: - Status: Valid



ID	Location	Details	
H	464m SW	Operator: Grosvenor Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BZ5604	Original Permit Number: IPCMINVAR Date Approved: - Effective Date: - Status: Valid
H	464m SW	Operator: Grosvenor Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Pesticide Production Permit Number: AK8058	Original Permit Number: IPCAPP Date Approved: 25-1-1994 Effective Date: 7-2-1994 Status: Superseded By Variation
H	464m SW	Operator: Grosvenor Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: AK8074	Original Permit Number: IPCAPP Date Approved: 25-1-1994 Effective Date: 7-2-1994 Status: Superseded By Variation
H	464m SW	Operator: Grosvenor Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Pesticide Production Permit Number: AO3775	Original Permit Number: IPCMINVAR Date Approved: 8-9-1994 Effective Date: 19-9-1994 Status: Superseded By Variation
H	464m SW	Operator: Grosvenor Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BC7086	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Superseded By Variation
H	464m SW	Operator: Grosvenor Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Pesticide Production Permit Number: BC9968	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked - Now Ippc
H	464m SW	Operator: Grosvenor Chemicals Ltd Address: Lees Mill Lane, Linthwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BX4941	Original Permit Number: IPCMINVAR Date Approved: 17-6-2004 Effective Date: 22-6-2004 Status: Revoked - Now Ippc
H	496m SW	Operator: Whyte Chemicals Ltd Address: Lees Mill Lane, Lintwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: AK8066	Original Permit Number: IPCAIRAPP Date Approved: 25-1-1994 Effective Date: 7-2-1994 Status: Superseded By Variation
H	496m SW	Operator: Whyte Chemicals Ltd Address: Lees Mill Lane, Lintwaite, Huddersfield, HD7 5QE Process: Manufacture And Use Of Organic Chemicals Permit Number: BC7078	Original Permit Number: IPCMINVAR Date Approved: 24-11-1998 Effective Date: 30-11-1998 Status: Revoked



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

## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

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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 46**

ID	Location	Details	
B	4m E	Operator: JAMES DYSON LTD Installation Name: HOYLE ING DYEWORKS, LINTHWAITE Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BR5108IN Original Permit Number: BR5108IN	EPR Reference: EA/EPR/BR5108IN/V003 Issue Date: 16/12/2002 Effective Date: 02/01/2003 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
B	4m E	Operator: JAMES DYSON LTD Installation Name: - Process: COATING, PRINTING & TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BU9327 Original Permit Number: BR5108	EPR Reference: - Issue Date: 02/07/2003 Effective Date: 02/07/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
B	4m E	Operator: JAMES DYSON LTD Installation Name: HOYLE ING DYEWORKS, LINTHWAITE Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BU9327IM Original Permit Number: BR5108IN	EPR Reference: - Issue Date: 02/07/2003 Effective Date: 02/07/2003 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
B	4m E	Operator: JAMES DYSON LTD Installation Name: - Process: COATING, PRINTING & TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BR5108 Original Permit Number: BR5108	EPR Reference: - Issue Date: - Effective Date: 02/01/2003 Last date noted as effective: 03/10/2005 Status: SUPERSEDED BY VARIATION
B	4m E	Operator: JAMES DYSON LTD Installation Name: HOYLE ING DYEWORKS, LINTHWAITE Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: SP3134GA Original Permit Number: BR5108IN	EPR Reference: - Issue Date: - Effective Date: 26/04/2010 Last date noted as effective: 15/05/2020 Status: SURRENDER EFFECTIVE



ID	Location	Details	
I	316m S	Operator: GEORGE COCK LTD Installation Name: - Process: COATING, PRINTING & TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BU9203 Original Permit Number: BR5060	EPR Reference: - Issue Date: 24/06/2003 Effective Date: 01/07/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
I	316m S	Operator: PREMIER HANK DYERS LTD Installation Name: - Process: COATING, PRINTING & TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BS3549 Original Permit Number: BS3549	EPR Reference: - Issue Date: 18/06/2003 Effective Date: 01/07/2003 Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS
I	316m S	Operator: GEORGE COCK LTD Installation Name: - Process: COATING, PRINTING & TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BR5060 Original Permit Number: BR5060	EPR Reference: - Issue Date: - Effective Date: 23/12/2002 Last date noted as effective: 03/10/2005 Status: SUPERSEDED BY VARIATION
I	316m S	Operator: GEORGE COCK LIMITED Installation Name: LONGFIELD DYEWORCS, LINTHWAITE Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BR5060IS Original Permit Number: BR5060IS	EPR Reference: - Issue Date: 18/12/2002 Effective Date: 23/12/2002 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
I	316m S	Operator: GEORGE COCK LIMITED Installation Name: LONGFIELD DYEWORCS, LINTHWAITE Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: BU9203IV Original Permit Number: BR5060IS	EPR Reference: - Issue Date: 24/06/2003 Effective Date: 01/07/2003 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
I	316m S	Operator: GEORGE COCK LIMITED Installation Name: LONGFIELD DYEWORCS, LINTHWAITE Process: COATING, PRINTING AND TEXTILES; PRE-TREATING BY WASHING ETC >10T/DAY Permit Number: ZP3834LD Original Permit Number: BR5060IS	EPR Reference: - Issue Date: - Effective Date: 06/06/2006 Last date noted as effective: 15/05/2020 Status: SURRENDER EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED



ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: RECOVERY OF WASTE; BY DISTILLATION OF OIL/ORGANIC SOLVENT Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: RP3433LS Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 16/07/2007 Effective Date: 16/07/2007 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: RECOVERY OF WASTE; BY DISTILLATION OF OIL/ORGANIC SOLVENT Permit Number: RP3433LS Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 16/07/2007 Effective Date: 16/07/2007 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE



ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ASSOCIATED PROCESS Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: RECOVERY OF WASTE; BY DISTILLATION OF OIL/ORGANIC SOLVENT Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ASSOCIATED PROCESS Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED





ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: ASSOCIATED PROCESS Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: RECOVERY OF WASTE; BY DISTILLATION OF OIL/ORGANIC SOLVENT Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED



ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: BP3533XP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 18/01/2008 Effective Date: 18/01/2008 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: DP3835FA Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 23/02/2012 Effective Date: 23/02/2012 Last date noted as effective: 15/05/2020 Status: SUPERCEDED



ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: RP3433LS Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 16/07/2007 Effective Date: 16/07/2007 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: RP3433LS Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 16/07/2007 Effective Date: 16/07/2007 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE



ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LIMITED Installation Name: LINTHWAITE CHEMICAL INDUSTRY EPR/RP3433LS Process: RECOVERY OF WASTE; BY DISTILLATION OF OIL/ORGANIC SOLVENT Permit Number: XP3931VP Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 08/07/2014 Effective Date: 08/07/2014 Last date noted as effective: 15/05/2020 Status: EFFECTIVE
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: ASSOCIATED PROCESS Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: PHARMACEUTICALS; PRODUCING PHARMACEUTICALS USING CHEMICAL/BIOLOGICAL PROCESSES Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: GROSVENOR CHEMICALS LTD Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: AP3939NT Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 05/06/2013 Effective Date: 05/06/2013 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ASSOCIATED PROCESS Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED



ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; HALOGEN CONTAINING COMPOUNDS EG HALOCARBONS Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; OXYGEN CONTAINING COMPOUNDS EG ALCOHOLS Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; PLASTIC MATERIALS EG POLYMERS Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; FORMULATING PRODUCTS IF RELEASE TO WATER OF PRESCRIBED SUBSTANCES Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: PLANT HEALTH AND BIOCIDES; PRODUCING PLANT HEALTH PRODUCTS/BIOCIDES Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: RECOVERY OF WASTE; BY DISTILLATION OF OIL/ORGANIC SOLVENT Permit Number: PP3931TN Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 26/08/2010 Effective Date: 26/08/2010 Last date noted as effective: 15/05/2020 Status: SUPERCEDED
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ASSOCIATED PROCESS Permit Number: RP3433LS Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 16/07/2007 Effective Date: 16/07/2007 Last date noted as effective: 15/05/2020 Status: SUPERCEDED



ID	Location	Details	
H	407m SW	Operator: GROSVENOR CHEMICALS LTD Installation Name: LINTHWAITE CHEMICAL INDUSTRY Process: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES Permit Number: RP3433LS Original Permit Number: RP3433LS	EPR Reference: - Issue Date: 16/07/2007 Effective Date: 16/07/2007 Last date noted as effective: 15/05/2020 Status: SUPERCEDED

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

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

<b>Records within 500m</b>	<b>2</b>
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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 46**

ID	Location	Address	Details	
C	67m S	Thornton & Ross Ltd, Manchester Road, Linthwaite, Huddersfield, HD7 5QH	Process: Pharmaceutical Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
14	497m W	Daval Furniture Ltd, Spafield Industrial Estate, New Street, Slaithwaite, Huddersfield, HD7 5AB	Process: Timber Manufacture Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

*This data is sourced from Local Authority records.*

## 4.12 Radioactive Substance Authorisations

<b>Records within 500m</b>	<b>0</b>
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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**
**10**

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 46**

ID	Location	Address	Details	
A	3m SE	BARBER ROW NO 2 CSO, REAR OF BARBER ROW MANCHESTER RD, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5QL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7520 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 05/07/1999 Effective Date: 05/07/1999 Revocation Date: 19/11/2017
A	7m SE	BARBER ROW NO 2 CSO, REAR OF BARBER ROW MANCHESTER RD, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5QL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7520 Permit Version: 3 Receiving Water: RIVER COLNE	Status: VARIED UNDER EPR 2010 Issue date: 20/11/2017 Effective Date: 20/11/2017 Revocation Date: -
B	42m SE	BARGATE CSO, MANCHESTER ROAD, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7458 Permit Version: 2 Receiving Water: RIVER COLNE	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 02/05/2003 Effective Date: 02/05/2003 Revocation Date: -
B	42m SE	BARGATE CSO, MANCHESTER ROAD, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7458 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/10/1998 Effective Date: 26/10/1998 Revocation Date: 01/05/2003
8	260m NE	MANCHESTER RD COMBINED SEWER OVRFLW, NR 647 MANCHESTER ROAD, LINTHWAITE, NR HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7457 Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/10/1998 Effective Date: 26/10/1998 Revocation Date: -
J	362m S	CAUSEWAY SIDE 13 C.S.O, OPP 1 CAUSEWAY SIDE, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5NL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7460 Permit Version: 2 Receiving Water: HOYLE HOUSE BROOK	Status: VARIED UNDER EPR 2010 Issue date: 21/02/2018 Effective Date: 31/03/2018 Revocation Date: -



ID	Location	Address	Details	
J	370m S	CAUSEWAY SIDE 13 C.S.O, OPP 1 CAUSEWAY SIDE, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5NL	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: WRA7460 Permit Version: 1 Receiving Water: HOYLE HOUSE BROOK	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 26/10/1998 Effective Date: 26/10/1998 Revocation Date: 30/03/2018
10	384m NE	TITANIC MILLS CSO, REAR OF GORDON TERRACE, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5QT	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: EP RTP3829GA Permit Version: 1 Receiving Water: RIVER COLNE	Status: NEW ISSUED UNDER EPR 2010 Issue date: 22/03/2016 Effective Date: 22/03/2016 Revocation Date: -
13	433m SW	CHICKEN SLAUGHTER HOUSE, BANK BOTTOM FARM, SLAITHWAITE, HUDDERSFIELD, WEST YORKSHIRE	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: 3739 Permit Version: 1 Receiving Water: HUDDERSFIELD NARROW CANAL	Status: CONSENT REVOKED - DISCHARGE CEASED (WRA 91, SCHED 10 & 6) Issue date: 13/09/1983 Effective Date: 13/09/1983 Revocation Date: 21/10/1994
H	462m SW	GROSVENOR WORKS, LINTHWAITE, HUDDERSFIELD	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: WRA7185 Permit Version: 1 Receiving Water: RIVER CALDER	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 19/12/1995 Effective Date: 19/12/1995 Revocation Date: -

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

#### 4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

#### 4.15 Pollutant release to public sewer

Records within 500m

4

Discharges of Special Category Effluents to the public sewer.

Features are displayed on the Current industrial land use map on **page 46**





ID	Location	Address	Details	
H	352m SW	GROSVENOR CHEMICALS LTD, GROSVENOR WORKS, MANCHESTER ROAD, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5QE	Permission reference: BB0906 Local Authority: KIRKLEES METROPOLITAN BOROUGH COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
H	407m SW	GROSVENOR CHEMICALS LTD, GROSVENOR WORKS, MANCHESTER ROAD, LINTHWAITE, HUDDERSFIELD, WEST YORKSHIRE, HD7 5QE	Permission reference: BB0876 Local Authority: KIRKLEES METROPOLITAN BOROUGH COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: RECEIVED
H	407m SW	WHYTE CHEMICALS LTD, GROSVENOR WORKS, LINTHWAITE, HUDDERSFIELD, HUDDERSFIELD, HD7 5QE	Permission reference: AH5876 Local Authority: WAKEFIELD CITY COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: DEAD (APPLICATION)
H	407m SW	WHYTE CHEMICALS LTD, GROSVENOR WORKS, LINTHWAITE, HUDDERSFIELD, HUDDERSFIELD, HD7 5QE	Permission reference: AQ8328 Local Authority: KIRKLEES METROPOLITAN BOROUGH COUNCIL First received date: 01/06/2001	Last received date: 01/01/2018 Status: RECEIVED

*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 46**

ID	Location	Name	Status	Receiving Water	Authorised Substances
15	499m SW	Grosvenor Chemicals, Huddersfield	Active	Dummy Site	Hexachlorocyclohexane

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

## 4.17 List 2 Dangerous Substances

**Records within 500m**

**5**

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 46**

ID	Location	Name	Status	Receiving Water	Authorised Substances
1	On site	New List 2 Water Site 8	Active	River Colne	MCPA



ID	Location	Name	Status	Receiving Water	Authorised Substances
B	43m SE	James Dyson Ltd, Linthwaite, Huddersfield	Not Active	Unknown	Permethrin, Silver
I	317m S	S Lyles Ltd, Earlsheaton, Dewsbury	Not Active	Unknown	Cypermethrin
I	317m S	George Cock Ltd, Linthwaite, huddersfield	Not Active	Unknown	Chromium, Cypermethrin
I	321m S	George Cock Ltd, Huddersfield	Not Active	Unknown	Chromium, Nickel, Permethrin

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

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

13

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 46**

ID	Location	Details	
2	4m S	Incident Date: 22/10/2002 Incident Identification: 116226 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
C	11m S	Incident Date: 09/05/2003 Incident Identification: 157120 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
E	141m SE	Incident Date: 09/01/2002 Incident Identification: 51537 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
9	302m SW	Incident Date: 30/12/2002 Incident Identification: 128065 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
11	384m SW	Incident Date: 31/08/2001 Incident Identification: 28133 Pollutant: Pollutant Not Identified Pollutant Description: Not Identified	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)



ID	Location	Details	
H	386m SW	Incident Date: 04/07/2002 Incident Identification: 89233 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
J	398m S	Incident Date: 12/06/2003 Incident Identification: 165398 Pollutant: Inorganic Chemicals/Products:Organic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product:Surfactants and Detergents	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	398m S	Incident Date: 12/06/2003 Incident Identification: 165398 Pollutant: Inorganic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	398m S	Incident Date: 12/06/2003 Incident Identification: 165398 Pollutant: Organic Chemicals/Products Pollutant Description: Surfactants and Detergents	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	398m S	Incident Date: 06/12/2003 Incident Identification: 165398 Pollutant: Inorganic Chemicals/Products : Organic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product :Surfactants and Detergents	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
J	398m S	Incident Date: 06/12/2003 Incident Identification: 165398 Pollutant: Organic Chemicals/Products Pollutant Description: Other Inorganic Chemical or Product Surfactants and Detergents	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
12	421m S	Incident Date: 09/08/2001 Incident Identification: 23147 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Chemical Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
H	456m SW	Incident Date: 24/05/2010 Incident Identification: 782778 Pollutant: Organic Chemicals/Products Pollutant Description: Pesticides and Biocides	Water Impact: Category 1 (Major) Land Impact: Category 2 (Significant) 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

1

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.

Features are displayed on the Current industrial land use map on **page 46**

ID: H, Location: 408m SW, Permit: RP3433LS  
 Operator: Grosvenor Chemicals Limited  
 Activity: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES  
 Address: Grosvenor Works Lees Mill Lane Linthwaite West Yorkshire HD7 5QE  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:

Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Non-methane volatile organic compounds (NMVOCs)	10000kg	Below Reporting Threshold
Air	Ethylene dichloride (1,2-Dichloroethane)	1000kg	Below Reporting Threshold

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

## 4.20 Pollution inventory waste transfers

Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 46**

ID: H, Location: 408m SW, Permit: RP3433LS  
 Operator: Grosvenor Chemicals Limited  
 Activity: ORGANIC CHEMICALS; NITROGEN CONTAINING COMPOUNDS EG AMINES  
 Address: Grosvenor Works Lees Mill Lane Linthwaite West Yorkshire HD7 5QE  
 Sector: Chemicals, Sub-sector: Chemicals  
 Releases:



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	1.6	Absolute Value	16 03 05	organic wastes containing dangerous substances	Yes
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	Below Reporting Threshold	Below Reporting Threshold	16 03 06	organic wastes other than those mentioned in 16 03 05	No
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	24	Absolute Value	07 04 01	aqueous washing liquids and mother liquors	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	126.72	Absolute Value	07 01 01	aqueous washing liquids and mother liquors	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	2.45	Absolute Value	15 01 10	packaging containing residues of or contaminated by dangerous substances	Yes
R13	Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	0.8	Absolute Value	15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Yes
D9	Physio-chemical treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12 (eg evaporation, drying, calcination, etc.)	19.94	Absolute Value	07 01 07	halogenated still bottoms and reaction residues	Yes



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

## 4.21 Pollution inventory radioactive waste

**Records within 500m**

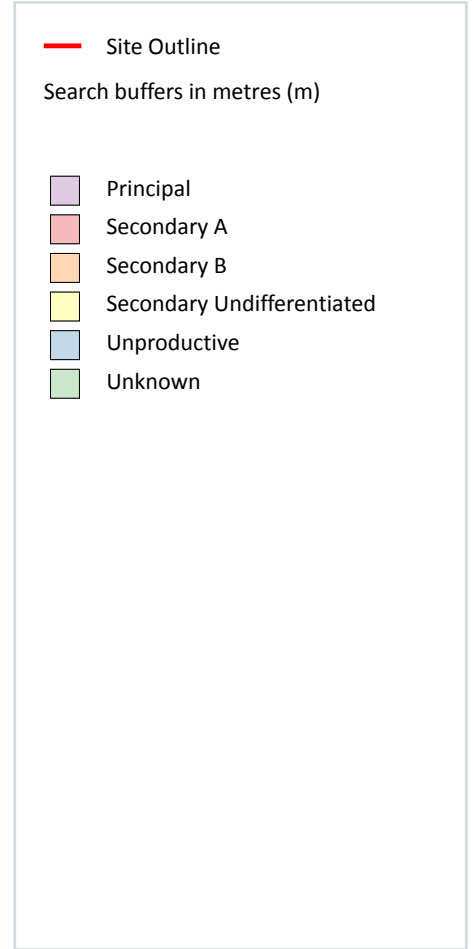
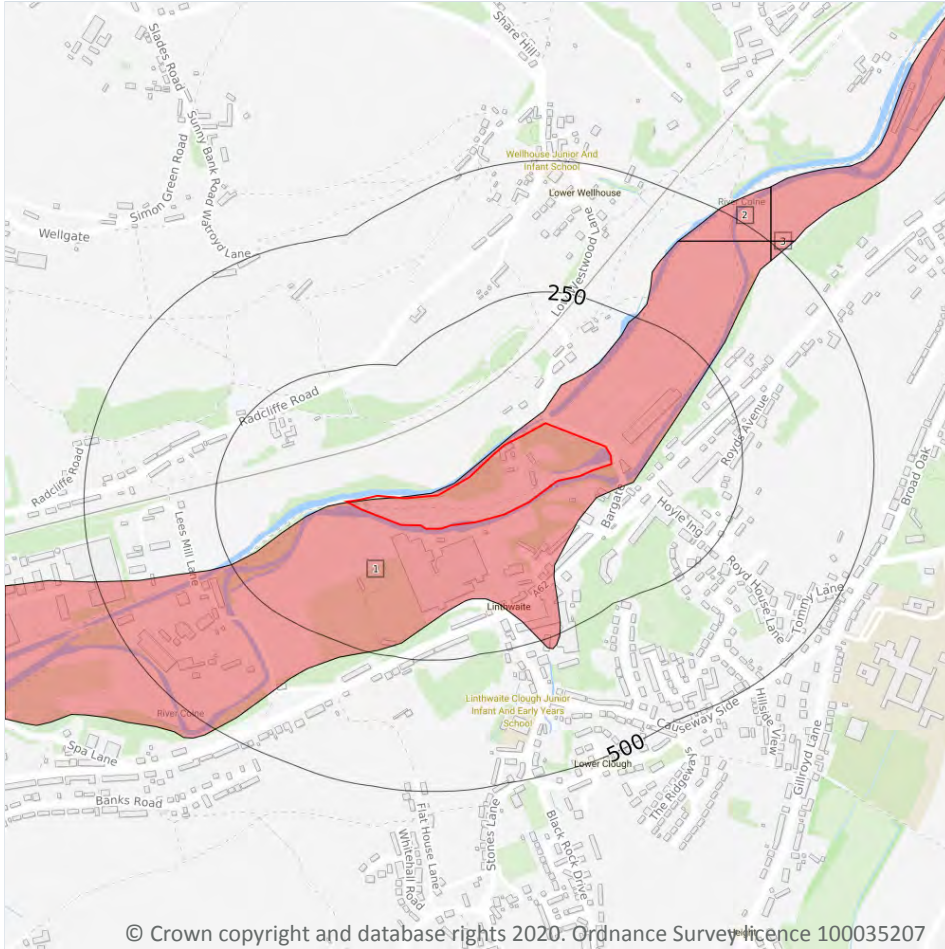
**0**

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

3

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 72**

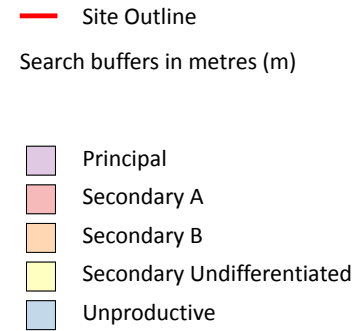
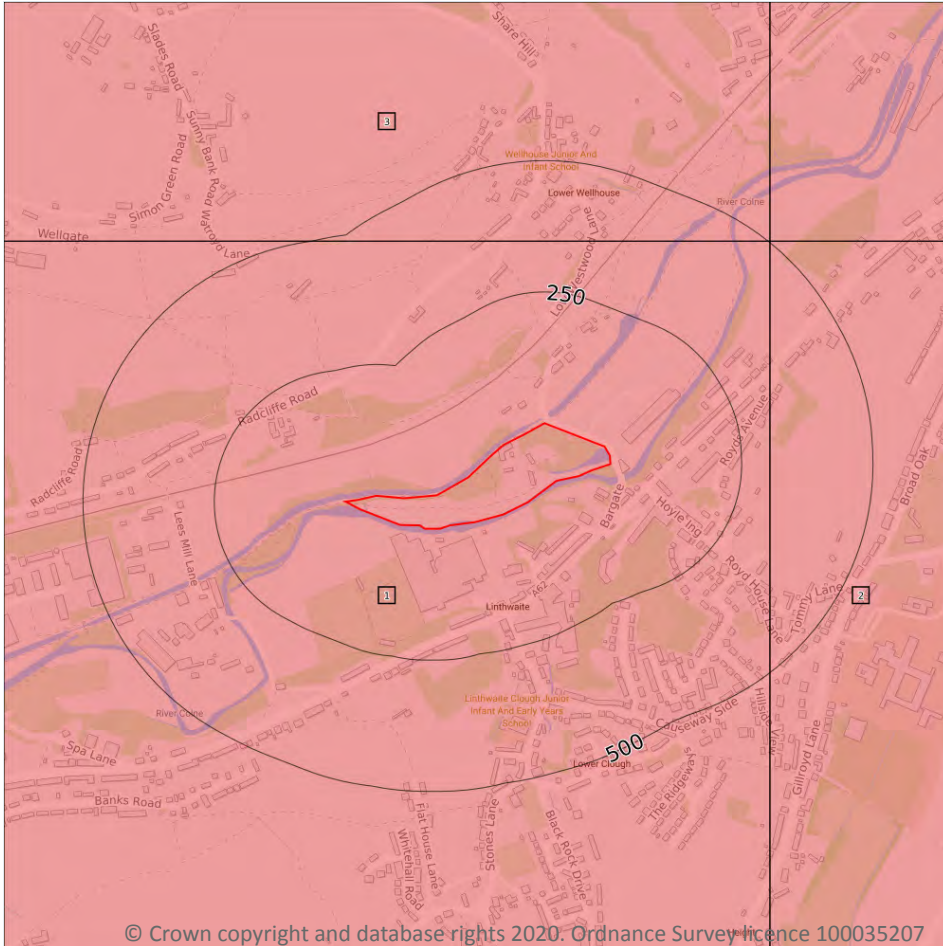
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	415m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

ID	Location	Designation	Description
3	474m NE	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



### 5.2 Bedrock aquifer

Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

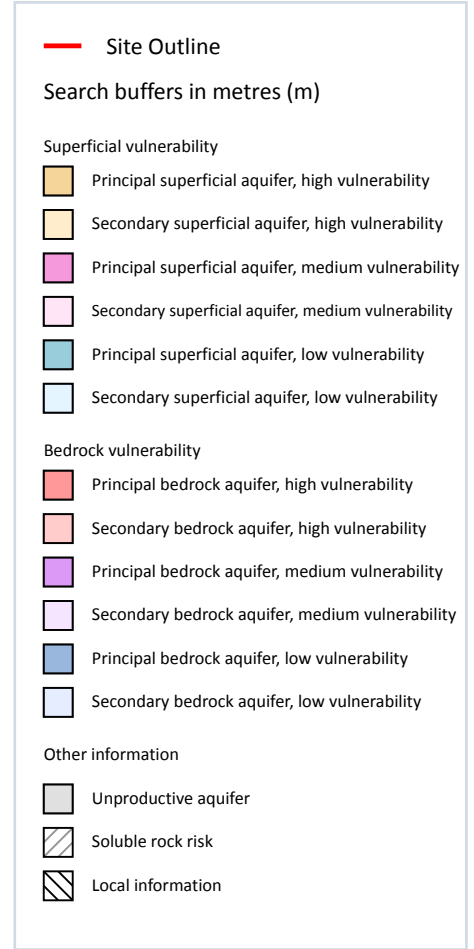
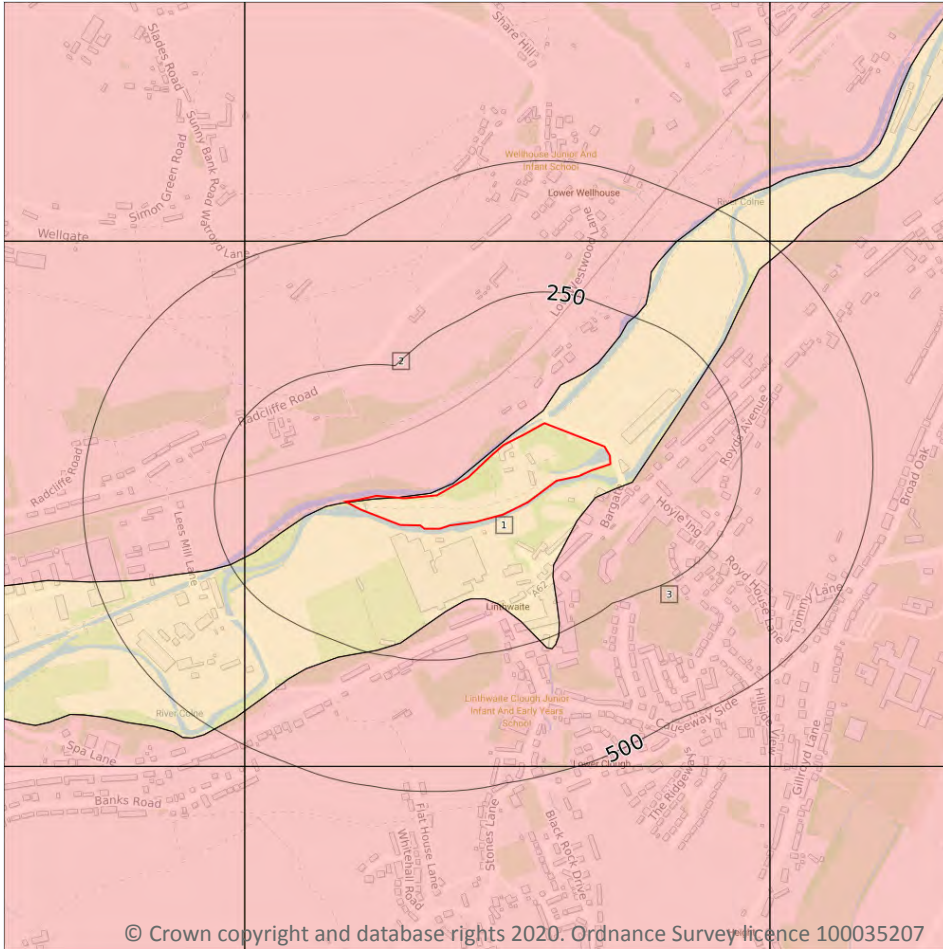
Features are displayed on the Bedrock aquifer map on **page 74**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	304m E	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

ID	Location	Designation	Description
3	347m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

3

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

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

Features are displayed on the Groundwater vulnerability map on **page 76**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	<b>Summary Classification:</b> Secondary superficial aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, Productive Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Thickness: &lt;3m</b> <b>Patchiness value: &lt;90%</b> <b>Recharge potential: No Data</b>	<b>Vulnerability: High</b> <b>Aquifer type:</b> Secondary <b>Flow mechanism: Well</b> <b>connected fractures</b>
2	On site	<b>Summary Classification:</b> Secondary bedrock aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, No Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: -</b> <b>Aquifer type: -</b> <b>Thickness: &lt;3m</b> <b>Patchiness value: &lt;90%</b> <b>Recharge potential: No Data</b>	<b>Vulnerability: High</b> <b>Aquifer type:</b> Secondary <b>Flow mechanism: Well</b> <b>connected fractures</b>
3	47m S	<b>Summary Classification:</b> Secondary bedrock aquifer - High Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, No Superficial Aquifer	<b>Leaching class: High</b> <b>Infiltration value:</b> >70% <b>Dilution value:</b> >550mm/year	<b>Vulnerability: -</b> <b>Aquifer type: -</b> <b>Thickness: &lt;3m</b> <b>Patchiness value: &lt;90%</b> <b>Recharge potential: No Data</b>	<b>Vulnerability: High</b> <b>Aquifer type: Secondary</b> <b>Flow mechanism: Well</b> <b>connected fractures</b>

*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

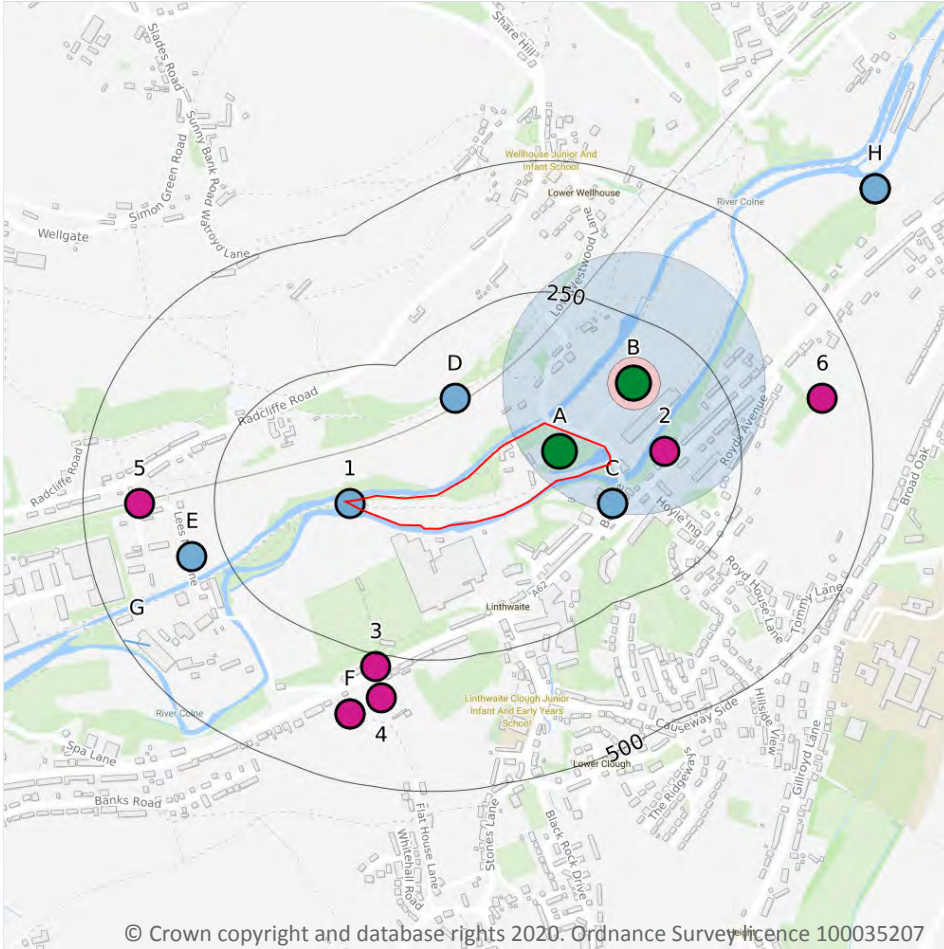
0

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

21

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 78**

ID	Location	Details	
2	105m E	Status: Historical Licence No: 2/27/11/045 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - LINTHWAITE Data Type: Point Name: JAMES DYSON LTD Easting: 409800 Northing: 414600	Annual Volume (m <sup>3</sup> ): 175000 Max Daily Volume (m <sup>3</sup> ): 650 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 17/01/2002 Version End Date: -
B	133m NE	Status: Historical Licence No: 2/27/11/191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-COAL MEASURES-TITANIC MILLS-LINTHWAITE Data Type: Point Name: LOWRY HOMES PLC Easting: 409740 Northing: 414730	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 12/03/2005 Expiry Date: 31/12/2010 Issue No: 1 Version Start Date: 12/03/2005 Version End Date: -
B	133m NE	Status: Historical Licence No: 2/27/11/191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: LOWRY HOMES PLC Easting: 409740 Northing: 414730	Annual Volume (m <sup>3</sup> ): 54000 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 12/03/2005 Expiry Date: 31/12/2010 Issue No: 2 Version Start Date: 08/02/2008 Version End Date: -
B	133m NE	Status: Active Licence No: NE/027/0011/007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: PROPERTY RENAISSANCE LTD Easting: 409740 Northing: 414730	Annual Volume (m <sup>3</sup> ): 43,070 Max Daily Volume (m <sup>3</sup> ): 118 Original Application No: - Original Start Date: 21/02/2011 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 21/02/2011 Version End Date: -



ID	Location	Details	
3	273m S	Status: Historical Licence No: 2/27/11/016 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: SPRING - MILLSTONE GRIT - LINTHWAITE Data Type: Point Name: GEORGE COCK LTD Easting: 409250 Northing: 414190	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 22/05/2001 Version End Date: -
4	331m S	Status: Historical Licence No: 2/27/11/050 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - KINDERSCOUT GRIT - LINTHWAITE Data Type: Point Name: GEORGE COCK LTD Easting: 409260 Northing: 414130	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 101 Version Start Date: 22/05/2001 Version End Date: -
F	372m S	Status: Historical Licence No: 2/27/11/016 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: SPRING - COAL MEASURES - WATER TO MILL DAM Data Type: Point Name: GEORGE COCK LTD Easting: 409200 Northing: 414100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -
F	372m S	Status: Historical Licence No: 2/27/11/050 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: GEORGE COCK LTD Easting: 409200 Northing: 414100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 20/01/1966 Version End Date: -



ID	Location	Details	
5	392m W	Status: Historical Licence No: 2/27/11/019 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-GOLCAR Data Type: Point Name: P & R WHITWAM Easting: 408800 Northing: 414500	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 30/06/2000 Version End Date: -
6	419m E	Status: Historical Licence No: 2/27/11/057 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRINGS Data Type: Point Name: ROBERTS Easting: 410100 Northing: 414700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 27/01/1966 Version End Date: -
-	796m E	Status: Historical Licence No: 2/27/11/105 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL Data Type: Point Name: HINCHCLIFFE & HAIGH Easting: 410450 Northing: 414320	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	796m E	Status: Historical Licence No: 2/27/11/105 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: WELL - MILLSTONE GRIT - LINTHWAITE Data Type: Point Name: HINCHCLIFFE & HAIGH Easting: 410450 Northing: 414320	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	1430m E	Status: Historical Licence No: 2/27/10/122 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-HUDDERSFIELD Data Type: Point Name: CROSLAND HEATH GOLF CLUB LTD Easting: 411100 Northing: 414300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 27/11/1997 Expiry Date: 31/10/2007 Issue No: 101 Version Start Date: 02/01/2001 Version End Date: -





ID	Location	Details	
-	1430m E	Status: Historical Licence No: 2/27/10/122 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT- CROSLAND HEATH - HUDDERSFIELD Data Type: Point Name: CROSLAND HEATH GOLF CLUB LTD Easting: 411100 Northing: 414300	Annual Volume (m <sup>3</sup> ): 6500 Max Daily Volume (m <sup>3</sup> ): 50 Original Application No: - Original Start Date: 27/11/1997 Expiry Date: 31/10/2010 Issue No: 101 Version Start Date: 02/01/2001 Version End Date: -
-	1430m E	Status: Active Licence No: NE/027/0011/005 Details: Spray Irrigation - Direct Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT- CROSLAND HEATH - HUDDERSFIELD Data Type: Point Name: CROSLAND HEATH GOLF CLUB LTD Easting: 411100 Northing: 414300	Annual Volume (m <sup>3</sup> ): 4,500 Max Daily Volume (m <sup>3</sup> ): 50 Original Application No: - Original Start Date: 01/11/2010 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 01/11/2010 Version End Date: -
-	1525m SW	Status: Historical Licence No: 2/27/11/157 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: HINCHLIFFE Easting: 408400 Northing: 413200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 02/06/1971 Expiry Date: - Issue No: 100 Version Start Date: 02/06/1971 Version End Date: -
-	1525m SW	Status: Active Licence No: 2/27/11/157 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - SLAITHWAITE Data Type: Point Name: HINCHLIFFE Easting: 408400 Northing: 413200	Annual Volume (m <sup>3</sup> ): 11,600 Max Daily Volume (m <sup>3</sup> ): 31.80 Original Application No: - Original Start Date: 02/06/1971 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2008 Version End Date: -
-	1740m SW	Status: Historical Licence No: 2/27/11/113 Details: General use relating to Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE Data Type: Point Name: ROYDS PROPERTIES LIMITED Easting: 407600 Northing: 413800	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 05/01/1998 Version End Date: -



ID	Location	Details	
-	1740m SW	Status: Active Licence No: 2/27/11/113 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: GROUNDWATERS Point: BOREHOLE - MILLSTONE GRIT - SLAITHWAITE Data Type: Point Name: CLARKE Easting: 407600 Northing: 413800	Annual Volume (m <sup>3</sup> ): 102,273 Max Daily Volume (m <sup>3</sup> ): 409.09 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 01/07/2007 Version End Date: -
-	1886m SW	Status: Historical Licence No: 2/27/11/121 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: GRAVITY Data Type: Line Name: GARSIDE Easting: 408400 Northing: 412600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -
-	1886m SW	Status: Historical Licence No: 2/27/11/121 Details: General Farming & Domestic Direct Source: GROUNDWATERS Point: SPRING - SLAITHWAITE Data Type: Line Name: GARSIDE Easting: 408400 Northing: 412600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/04/1966 Version End Date: -

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

## 5.7 Surface water abstractions

**Records within 2000m**

**24**

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 78**



ID	Location	Details	
1	On site	Status: Historical Licence No: 2/27/11/111 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE-WESTWOOD MILLS-LINTHWAITE Data Type: Point Name: MICHAEL WILSON RESTORATIONS Easting: 409200 Northing: 414500	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 10/12/2002 Version End Date: -
A	On site	Status: Historical Licence No: 2/27/11/013 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
A	On site	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
A	On site	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: RIVER COLNE-LINTHWAITE Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409600 Northing: 414600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -



ID	Location	Details	
A	On site	<b>Status: Historical</b> <b>Licence No: 2/27/11/013</b> <b>Details: General use relating to Secondary Category (Medium Loss)</b> <b>Direct Source: SURFACE WATER</b> <b>Point: RIVER COLNE-LINTHWAITE</b> <b>Data Type: Point</b> <b>Name: COLNE VALLEY SPINNING CO LTD</b> <b>Easting: 409600</b> <b>Northing: 414600</b>	<b>Annual Volume (m<sup>3</sup>): -</b> <b>Max Daily Volume (m<sup>3</sup>): -</b> <b>Original Application No: -</b> <b>Original Start Date: 14/12/1965</b> <b>Expiry Date: -</b> <b>Issue No: 100</b> <b>Version Start Date: 14/12/1965</b> <b>Version End Date: -</b>
A	On site	<b>Status: Active</b> <b>Licence No: 2/27/11/013(A)</b> <b>Details: General Use Relating To Secondary Category (Medium Loss)</b> <b>Direct Source: SURFACE WATER</b> <b>Point: RIVER COLNE-LINTHWAITE</b> <b>Data Type: Point</b> <b>Name: PROPERTY RENAISSANCE LTD</b> <b>Easting: 409600</b> <b>Northing: 414600</b>	<b>Annual Volume (m<sup>3</sup>): 9,092</b> <b>Max Daily Volume (m<sup>3</sup>): 45.45</b> <b>Original Application No: -</b> <b>Original Start Date: 16/07/2002</b> <b>Expiry Date: -</b> <b>Issue No: 1</b> <b>Version Start Date: 01/04/2008</b> <b>Version End Date: -</b>
C	72m S	<b>Status: Historical</b> <b>Licence No: 2/27/11/111</b> <b>Details: General use relating to Secondary Category (Medium Loss)</b> <b>Direct Source: SURFACE WATER</b> <b>Point: RIVER COLNE</b> <b>Data Type: Point</b> <b>Name: MICKMAN</b> <b>Easting: 409700</b> <b>Northing: 414500</b>	<b>Annual Volume (m<sup>3</sup>): -</b> <b>Max Daily Volume (m<sup>3</sup>): -</b> <b>Original Application No: -</b> <b>Original Start Date: 28/04/1966</b> <b>Expiry Date: -</b> <b>Issue No: 100</b> <b>Version Start Date: 01/01/1991</b> <b>Version End Date: -</b>
C	72m S	<b>Status: Historical</b> <b>Licence No: 2/27/11/111</b> <b>Details: General use relating to Secondary Category (Medium Loss)</b> <b>Direct Source: SURFACE WATER</b> <b>Point: RIVER COLNE - LINTHWAITE</b> <b>Data Type: Point</b> <b>Name: MICKMAN</b> <b>Easting: 409700</b> <b>Northing: 414500</b>	<b>Annual Volume (m<sup>3</sup>): -</b> <b>Max Daily Volume (m<sup>3</sup>): -</b> <b>Original Application No: -</b> <b>Original Start Date: 28/04/1966</b> <b>Expiry Date: -</b> <b>Issue No: 100</b> <b>Version Start Date: 01/01/1991</b> <b>Version End Date: -</b>



ID	Location	Details	
D	127m NW	Status: Historical Licence No: 2/27/11/013 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: SURFACE WATER Point: SPRING-LINTHWAITE-HUDDERSFIELD Data Type: Point Name: COLNE VALLEY SPINNING CO LTD Easting: 409400 Northing: 414700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 16/07/2002 Version End Date: -
E	310m W	Status: Historical Licence No: 2/27/11/011 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: COLLINS & PRESTWICH & CO LTD Easting: 408900 Northing: 414400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -
G	462m SW	Status: Historical Licence No: 2/27/11/179 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Line Name: GROSVENOR CHEMICALS LIMITED Easting: 408820 Northing: 414230	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 09/02/1996 Expiry Date: - Issue No: 100 Version Start Date: 09/02/1996 Version End Date: -
G	462m SW	Status: Historical Licence No: 2/27/11/179 Details: General Cooling (Existing Licences Only) (Low Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - LINTHWAITE Data Type: Line Name: GROSVENOR CHEMICALS LTD Easting: 408820 Northing: 414230	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 09/02/1996 Expiry Date: - Issue No: 100 Version Start Date: 09/02/1996 Version End Date: -

ID	Location	Details	
H	711m NE	Status: Historical Licence No: 2/27/11/042 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410200 Northing: 415100	Annual Volume (m <sup>3</sup> ): 31822 Max Daily Volume (m <sup>3</sup> ): 159.11 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/05/1989 Version End Date: -
H	711m NE	Status: Historical Licence No: 2/27/11/042 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE - LINTHWAITE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410200 Northing: 415100	Annual Volume (m <sup>3</sup> ): 31822 Max Daily Volume (m <sup>3</sup> ): 159.11 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/05/1989 Version End Date: -
H	711m NE	Status: Active Licence No: 2/27/11/042 Details: Process Water Direct Source: SURFACE WATER Point: RIVER COLNE - LINTHWAITE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410200 Northing: 415100	Annual Volume (m <sup>3</sup> ): 31,822 Max Daily Volume (m <sup>3</sup> ): 159.11 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 100 Version Start Date: 17/05/1989 Version End Date: -
-	994m NE	Status: Historical Licence No: 2/27/11/006 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -



ID	Location	Details	
-	994m NE	Status: Historical Licence No: 2/27/11/006 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -
-	994m NE	Status: Active Licence No: 2/27/11/006 Details: Boiler Feed Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m <sup>3</sup> ): 30,117 Max Daily Volume (m <sup>3</sup> ): 146.38 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -
-	994m NE	Status: Active Licence No: 2/27/11/006 Details: Process Water Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: HARTFORD HOLDINGS LTD Easting: 410400 Northing: 415300	Annual Volume (m <sup>3</sup> ): 30,117 Max Daily Volume (m <sup>3</sup> ): 146.38 Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 17/03/1989 Version End Date: -
-	1248m SW	Status: Historical Licence No: 2/27/11/008 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: GLOBE WORSTED CO Easting: 408100 Northing: 413900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/12/1965 Version End Date: -
-	1330m SW	Status: Historical Licence No: 2/27/11/100 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Line Name: BROOK GROUP (HOLDINGS) LTD Easting: 407780 Northing: 413800	Annual Volume (m <sup>3</sup> ): 181840 Max Daily Volume (m <sup>3</sup> ): 909.2 Original Application No: - Original Start Date: 28/04/1966 Expiry Date: - Issue No: 101 Version Start Date: 26/03/2008 Version End Date: -



ID	Location	Details	
-	1545m SW	Status: Historical Licence No: 2/27/11/146 Details: General use relating to Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 407770 Northing: 413900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 25/06/1969 Version End Date: -
-	1545m SW	Status: Historical Licence No: 2/27/11/146 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: SURFACE WATER Point: HUDDERSFIELD CANAL - SLAITHWAITE Data Type: Point Name: BRITISH WATERWAYS Easting: 407770 Northing: 413900	Annual Volume (m <sup>3</sup> ): 45460 Max Daily Volume (m <sup>3</sup> ): 124.55 Original Application No: - Original Start Date: 26/05/1966 Expiry Date: - Issue No: 100 Version Start Date: 25/06/1969 Version End Date: -
-	1740m SW	Status: Historical Licence No: 2/27/11/184 Details: General Washing/Process Washing Direct Source: SURFACE WATER Point: HUDDERSFIELD NARROW CANAL - SLAITHWAITE Data Type: Point Name: BRITISH WATERWAYS BOARD Easting: 407600 Northing: 413800	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 09/03/2000 Expiry Date: - Issue No: 1 Version Start Date: 09/03/2000 Version End Date: -

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

## 5.8 Potable abstractions

### Records within 2000m

7

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

Features are displayed on the Abstractions and Source Protection Zones map on **page 78**





ID	Location	Details	
A	On site	<b>Status: Historical</b> <b>Licence No: 2/27/11/013</b> <b>Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services</b> <b>Direct Source: SURFACE WATER</b> <b>Point: RIVER COLNE</b> <b>Data Type: Point</b> <b>Name: COLNE VALLEY SPINNING CO LTD</b> <b>Easting: 409600</b> <b>Northing: 414600</b>	<b>Annual Volume (m<sup>3</sup>): -</b> <b>Max Daily Volume (m<sup>3</sup>): -</b> <b>Original Application No: -</b> <b>Original Start Date: 14/12/1965</b> <b>Expiry Date: -</b> <b>Issue No: 100</b> <b>Version Start Date: 14/12/1965</b> <b>Version End Date: -</b>
A	On site	<b>Status: Historical</b> <b>Licence No: 2/27/11/013</b> <b>Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services</b> <b>Direct Source: SURFACE WATER</b> <b>Point: RIVER COLNE-LINTHWAITE</b> <b>Data Type: Point</b> <b>Name: COLNE VALLEY SPINNING CO LTD</b> <b>Easting: 409600</b> <b>Northing: 414600</b>	<b>Annual Volume (m<sup>3</sup>): -</b> <b>Max Daily Volume (m<sup>3</sup>): -</b> <b>Original Application No: -</b> <b>Original Start Date: 14/12/1965</b> <b>Expiry Date: -</b> <b>Issue No: 100</b> <b>Version Start Date: 14/12/1965</b> <b>Version End Date: -</b>
D	127m NW	<b>Status: Historical</b> <b>Licence No: 2/27/11/013</b> <b>Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services</b> <b>Direct Source: SURFACE WATER</b> <b>Point: SPRING-LINTHWAITE-HUDDERSFIELD</b> <b>Data Type: Point</b> <b>Name: COLNE VALLEY SPINNING CO LTD</b> <b>Easting: 409400</b> <b>Northing: 414700</b>	<b>Annual Volume (m<sup>3</sup>): -</b> <b>Max Daily Volume (m<sup>3</sup>): -</b> <b>Original Application No: -</b> <b>Original Start Date: 14/12/1965</b> <b>Expiry Date: -</b> <b>Issue No: 101</b> <b>Version Start Date: 16/07/2002</b> <b>Version End Date: -</b>
B	133m NE	<b>Status: Historical</b> <b>Licence No: 2/27/11/191</b> <b>Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services</b> <b>Direct Source: GROUNDWATERS</b> <b>Point: BOREHOLE-COAL MEASURES-TITANIC MILLS-LINTHWAITE</b> <b>Data Type: Point</b> <b>Name: LOWRY HOMES PLC</b> <b>Easting: 409740</b> <b>Northing: 414730</b>	<b>Annual Volume (m<sup>3</sup>): -</b> <b>Max Daily Volume (m<sup>3</sup>): -</b> <b>Original Application No: -</b> <b>Original Start Date: 12/03/2005</b> <b>Expiry Date: 31/12/2010</b> <b>Issue No: 1</b> <b>Version Start Date: 12/03/2005</b> <b>Version End Date: -</b>



ID	Location	Details	
B	133m NE	Status: Historical Licence No: 2/27/11/191 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: LOWRY HOMES PLC Easting: 409740 Northing: 414730	Annual Volume (m <sup>3</sup> ): 54000 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 12/03/2005 Expiry Date: 31/12/2010 Issue No: 2 Version Start Date: 08/02/2008 Version End Date: -
B	133m NE	Status: Active Licence No: NE/027/0011/007 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: GROUNDWATERS Point: BOREHOLE-MILLSTONE GRIT-TITANIC MILLS-LINTHWAITE Data Type: Point Name: PROPERTY RENAISSANCE LTD Easting: 409740 Northing: 414730	Annual Volume (m <sup>3</sup> ): 43,070 Max Daily Volume (m <sup>3</sup> ): 118 Original Application No: - Original Start Date: 21/02/2011 Expiry Date: 31/03/2027 Issue No: 1 Version Start Date: 21/02/2011 Version End Date: -
E	310m W	Status: Historical Licence No: 2/27/11/011 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: SURFACE WATER Point: RIVER COLNE Data Type: Point Name: COLLINS & PRESTWICH & CO LTD Easting: 408900 Northing: 414400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 14/12/1965 Version End Date: -

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

## 5.9 Source Protection Zones

**Records within 500m**

**2**

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on **page 78**

ID	Location	Type	Description
B	On site	2	Outer catchment
B	83m NE	1	Inner catchment



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

## 5.10 Source Protection Zones (confined aquifer)

**Records within 500m**

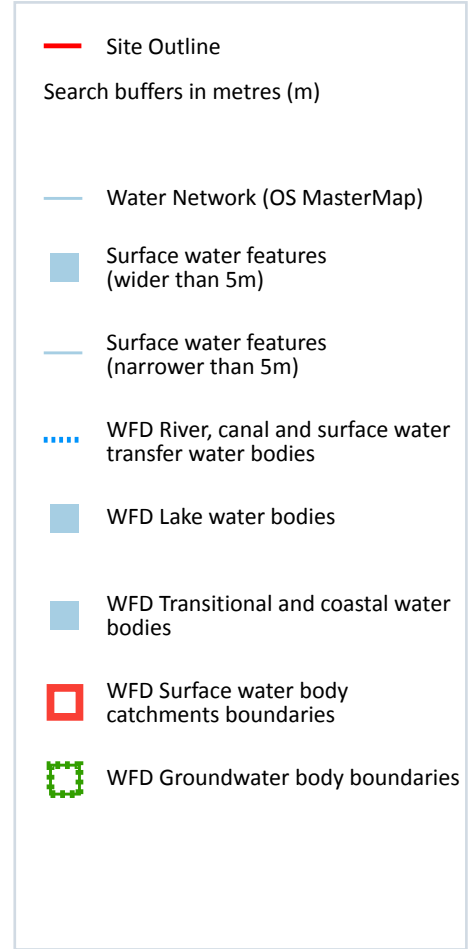
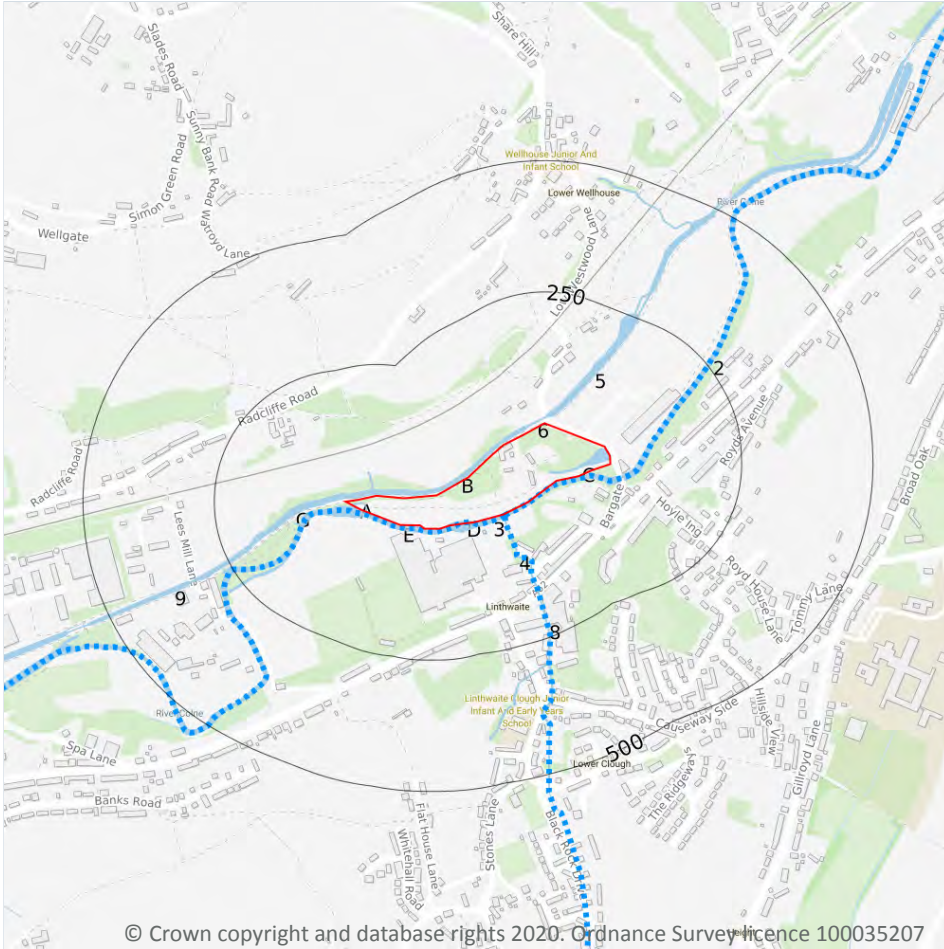
**0**

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

29

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 93**

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

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
2	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
3	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
4	1m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
E	2m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
B	4m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
A	7m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
A	7m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	7m N	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
A	8m N	Manmade watercourse for water transfer.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal



ID	Location	Type of water feature	Ground level	Permanence	Name
5	9m NW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
6	9m NW	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
A	12m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
G	44m W	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
G	95m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	95m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Colne
G	108m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
8	150m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	153m W	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
G	153m W	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
G	158m W	Manmade watercourse for water transfer.	On ground surface	Watercourse may not contain water all year round	Huddersfield Narrow Canal
G	167m SW	Lock or flight of locks. An enclosure in a canal or navigable river with gates and sluices at either end.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
G	191m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal



ID	Location	Type of water feature	Ground level	Permanence	Name
G	198m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal
9	202m SW	Canal. A manmade watercourse for inland navigation.	On ground surface	Watercourse contains water year round (in normal circumstances)	Huddersfield Narrow Canal

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

<b>Records within 250m</b>	<b>5</b>
----------------------------	----------

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 93**

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

<b>Records on site</b>	<b>1</b>
------------------------	----------

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 93**

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

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

## 6.4 WFD Surface water bodies

<b>Records identified</b>	<b>1</b>
---------------------------	----------

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 93**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
1	On site	River	Colne from Wessenden Brook to R Holme	<a href="#">GB104027063330</a>	Moderate	Good	Moderate	2016

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

## 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

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.

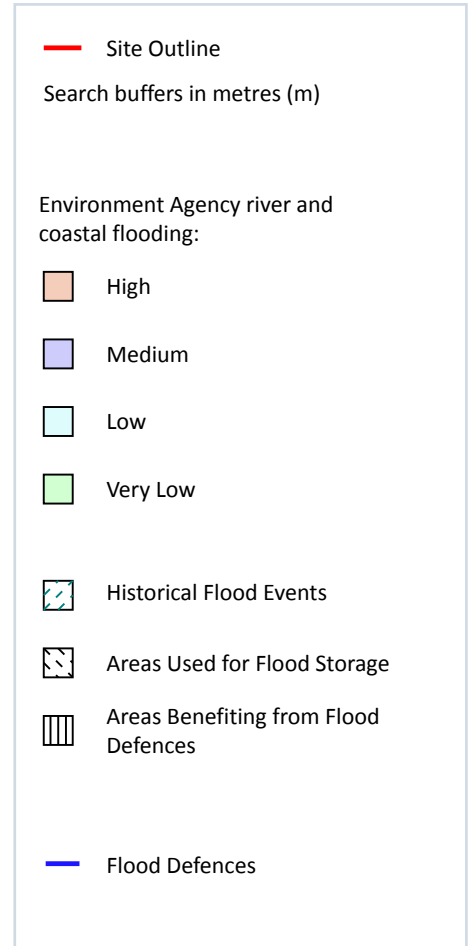
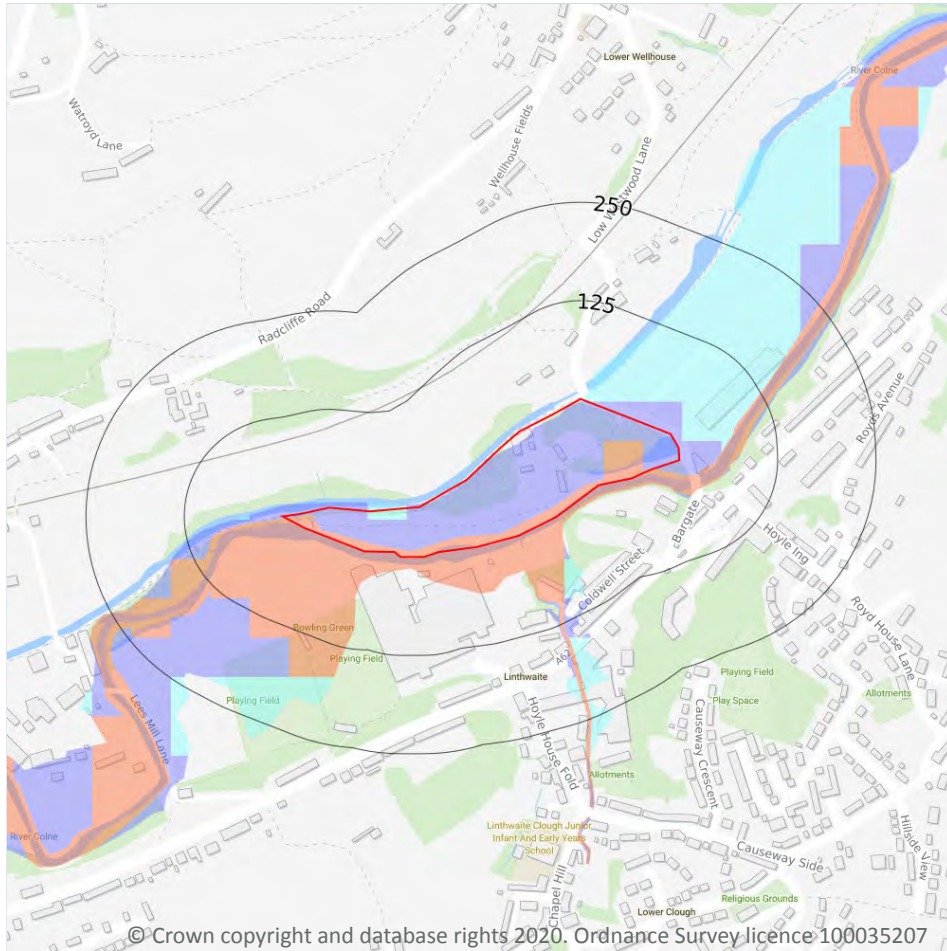
Features are displayed on the Hydrology map on **page 93**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Aire & Calder Carb Limestone / Millstone Grit / Coal Measures.	<a href="#">GB40402G700400</a>	Poor	Poor	Good	2015

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



## 7 River and coastal flooding



### 7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

27

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 98**

Distance	RoFRaS flood risk
<b>On site</b>	<b>High</b>
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

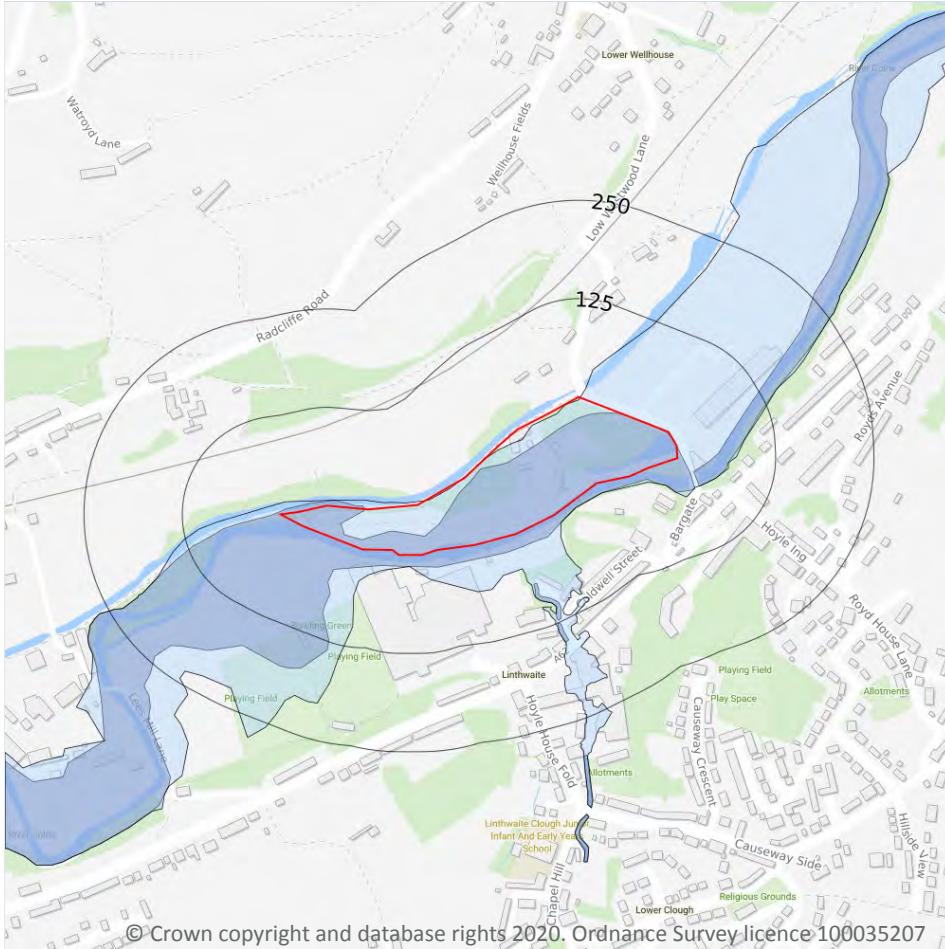
**Records within 250m**

**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 98**

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

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



## 7.7 Flood Zone 3

Records within 50m

1

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

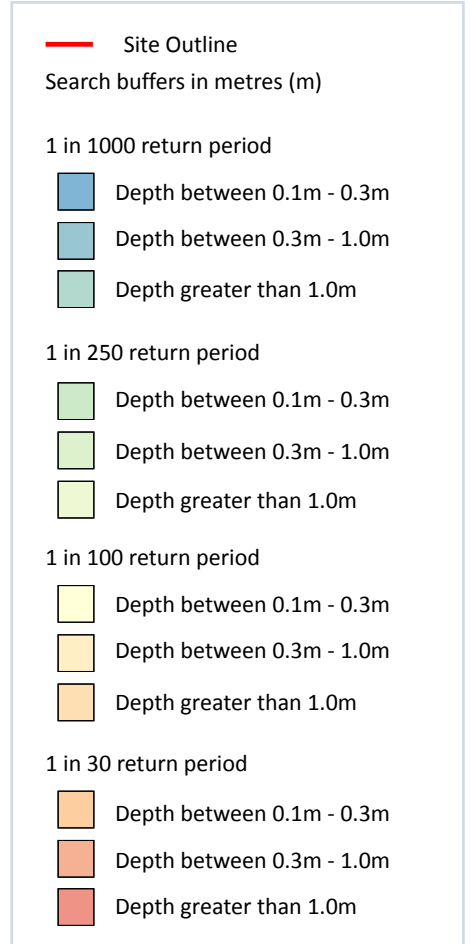
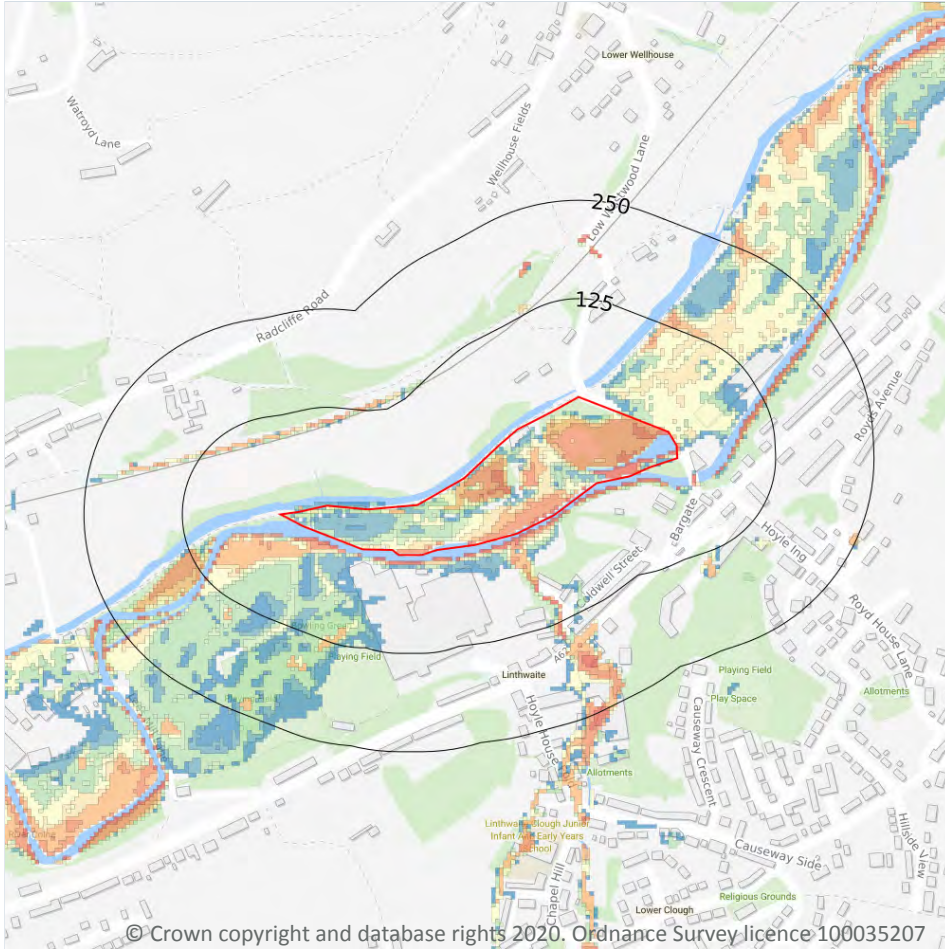
Features are displayed on the River and coastal flooding map on **page 98**

Location	Type
On site	Zone 3 - (Fluvial Models)

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



## 8 Surface water flooding



### 8.1 Surface water flooding

Highest risk on site

**1 in 30 year, Greater than 1.0m**

Highest risk within 50m

**1 in 30 year, Greater than 1.0m**

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

Features are displayed on the Surface water flooding map on **page 102**

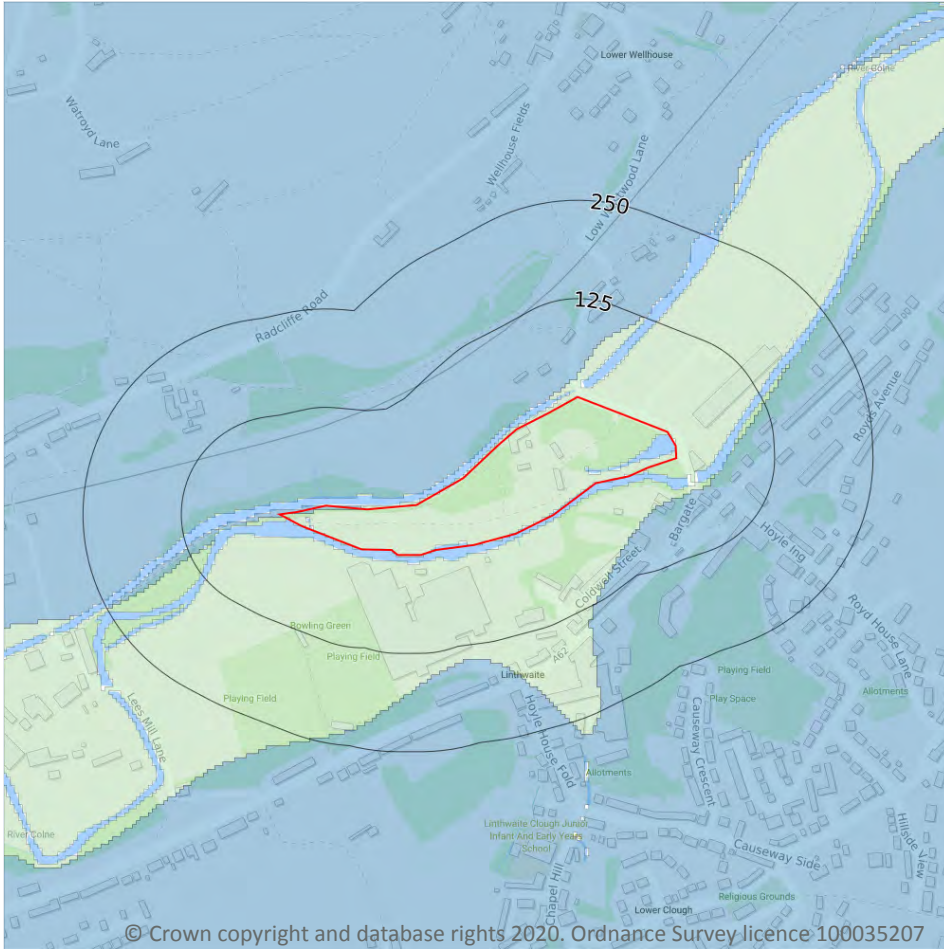
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

*This data is sourced from Ambiental Risk Analytics.*

## 9 Groundwater flooding



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### 9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

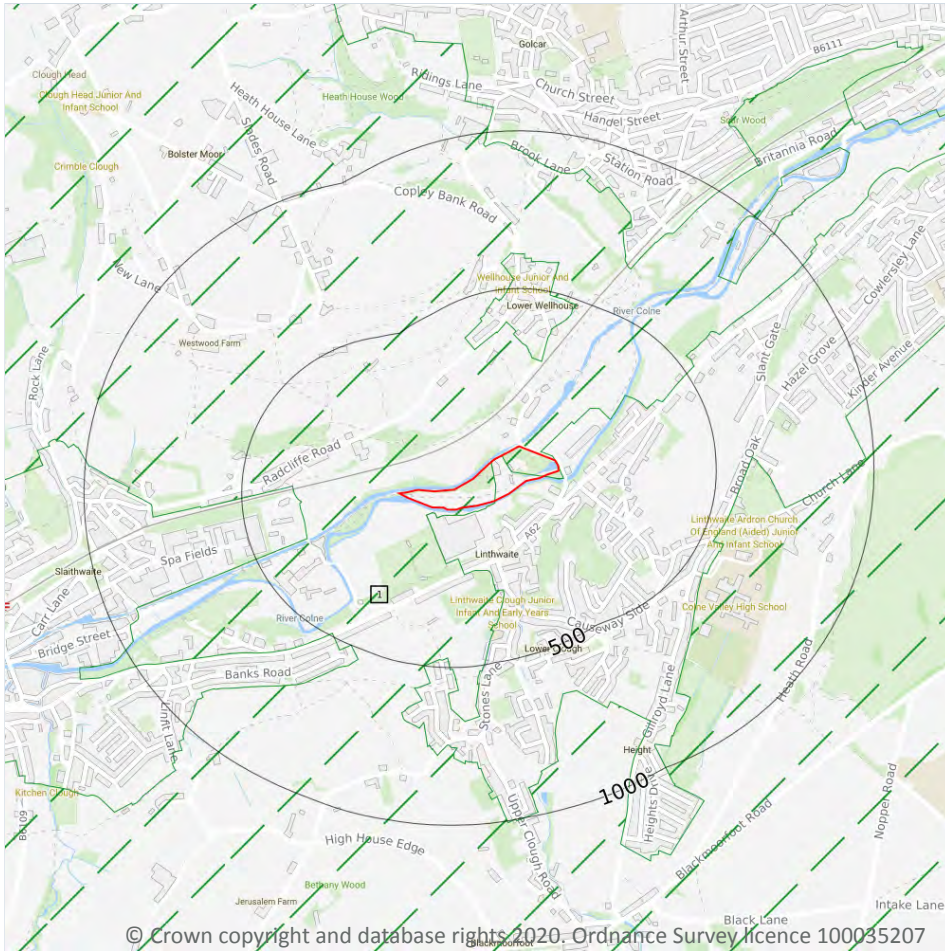
Low

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

Features are displayed on the Groundwater flooding map on **page 104**

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations



### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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





## 10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

0

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

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

## 10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

## 10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

## 10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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



## 10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

## 10.7 Designated Ancient Woodland

Records within 2000m

0

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.

*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 105**

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

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

## 10.12 Proposed Ramsar sites

Records within 2000m

0

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

*This data is sourced from Natural England.*

## 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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



## 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

*This data is sourced from Natural England.*

## 10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

*This data is sourced from Natural England.*

## 10.16 Nitrate Vulnerable Zones

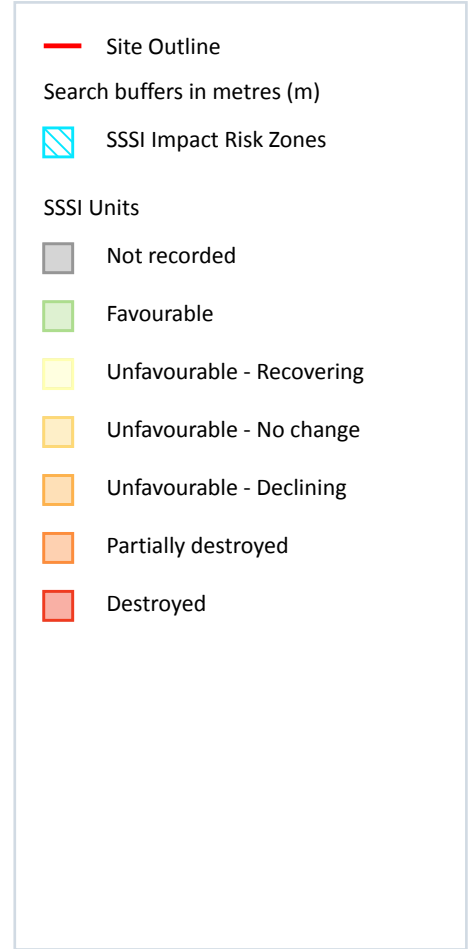
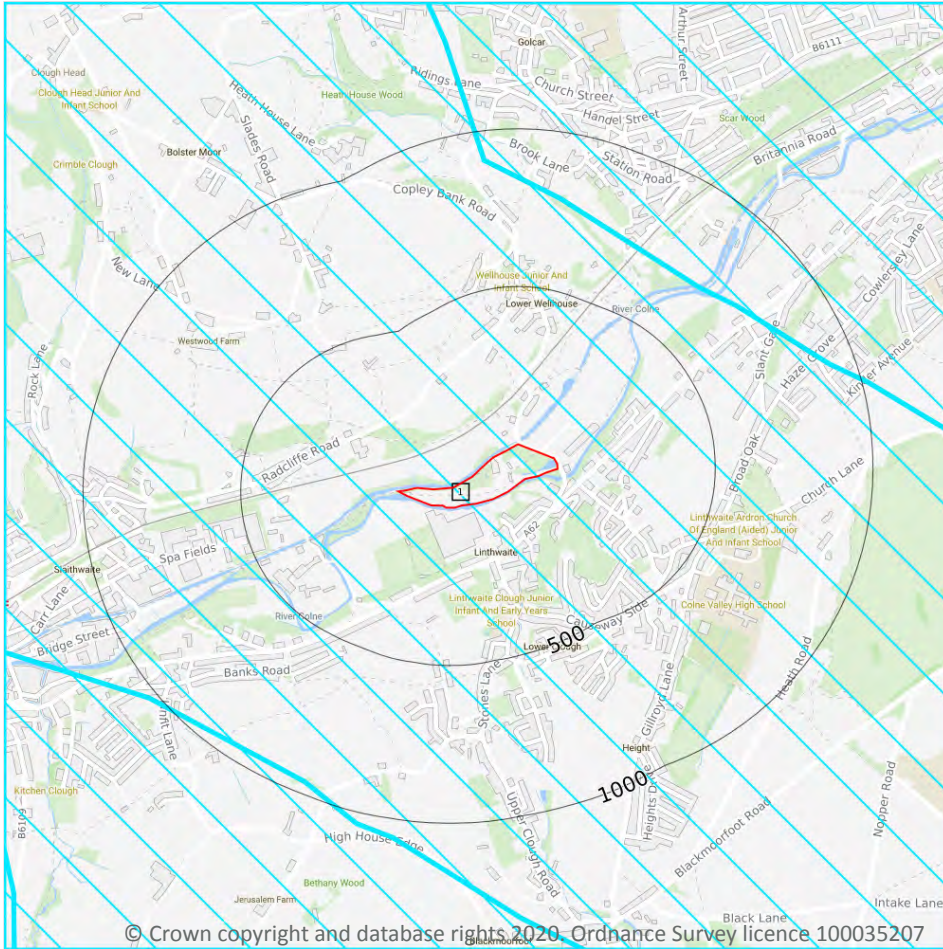
Records within 2000m

0

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

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

## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

#### Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 110**

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Oil &amp; gas exploration/extraction.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &gt; 750m<sup>2</sup> &amp; manure stores &gt; 3500t).</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

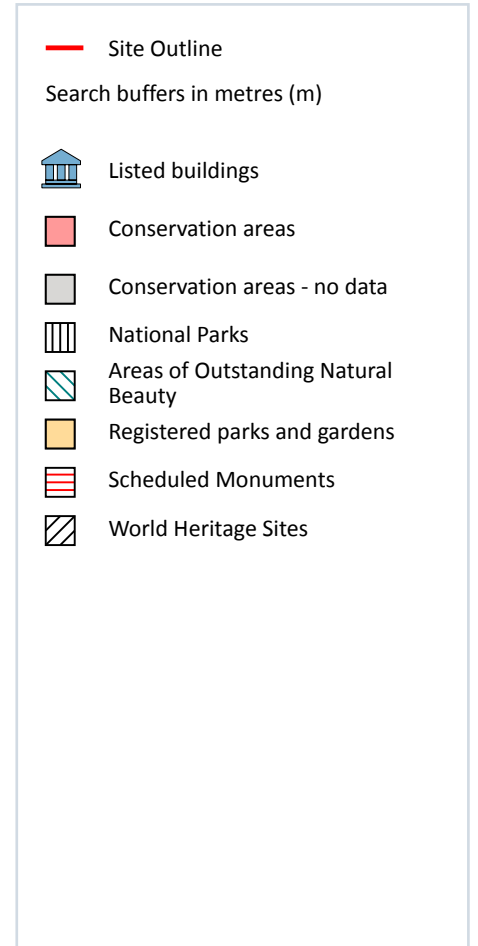
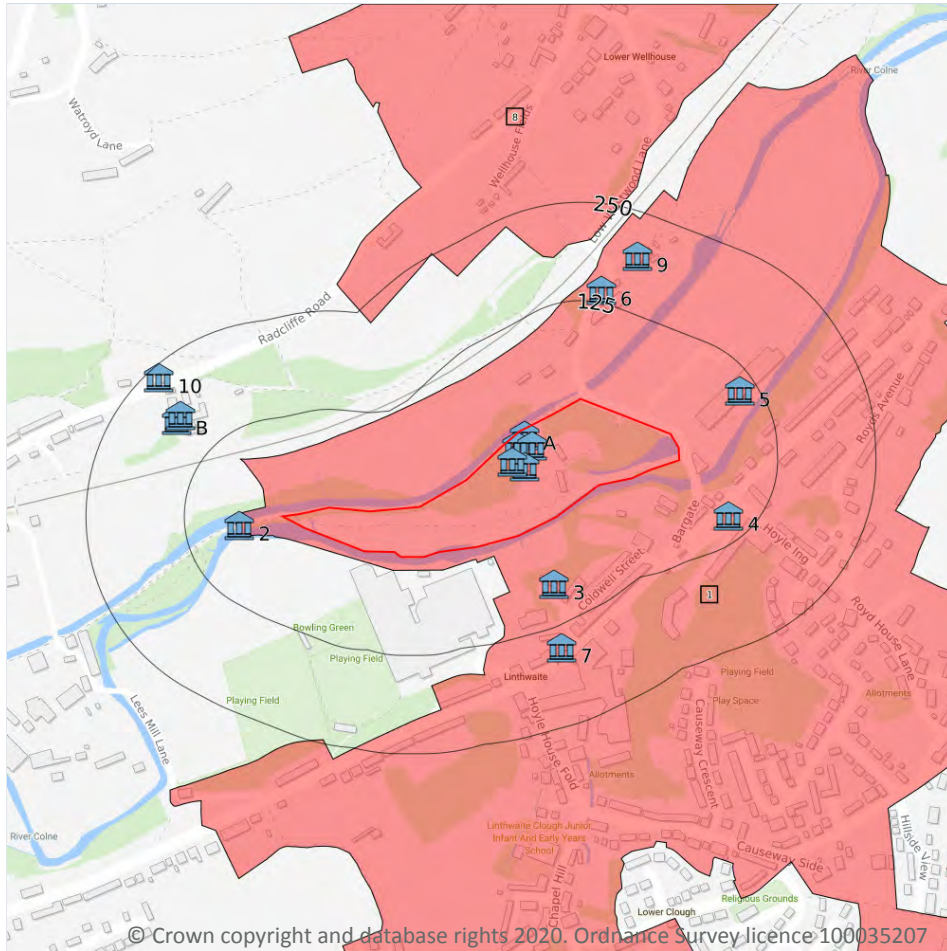
<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

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

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



## 11 Visual and cultural designations



### 11.1 World Heritage Sites

**Records within 250m**

**0**

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

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

## 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

## 11.3 National Parks

Records within 250m

0

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

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

## 11.4 Listed Buildings

Records within 250m

15

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 112**

ID	Location	Name	Grade	Reference Number	Listed date
A	On site	North Range At Westwood Mills, Kirklees, HD7	II*	1216965	11/07/1985
A	On site	West Block At Westwood Mills, Kirklees, HD7	II*	1216966	11/07/1985
A	On site	Offices And Workshop Range At Westwood Mills, Kirklees, HD7	II*	1217132	11/07/1985
A	On site	Boiler House And Engine House And Rope Race And Water Tower And Powerhouse At Westwood Mills, Kirklees, HD7	II*	1271263	20/06/2000
A	On site	Mill Dam At Westwood Mills, Kirklees, HD7	II*	1271264	20/06/2000





ID	Location	Name	Grade	Reference Number	Listed date
2	56m W	Huddersfield Narrow Canal; 4 Miles Post Adjacent Lock 18, Kirklees, HD7	II	1234426	11/07/1985
3	75m SE	Barber Row, Kirklees, HD7	II	1216972	11/07/1985
4	95m SE	719-729, Manchester Road, Kirklees, HD7	II	1217178	11/07/1985
5	104m NE	Lowestwood (Titanic) Mill, Kirklees, HD7	II	1216967	07/04/1983
6	141m N	16-20 Low Westwood Lane, Kirklees, HD7	II	1216963	11/07/1985
7	153m S	Holywell, Kirklees, HD7	II	1216969	11/07/1985
B	182m NW	Hill Top, Kirklees, HD7	II	1274622	11/07/1985
B	183m NW	Hill Top, Kirklees, HD7	II	1222511	11/07/1985
9	195m N	3 And 3A Low Westwood Lane, Kirklees, HD7	II	1216962	11/07/1985
10	236m NW	Radcliffe Road, Kirklees, HD7	II	1274621	11/07/1985

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

## 11.5 Conservation Areas

Records within 250m

2

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

Features are displayed on the Visual and cultural designations map on **page 112**

ID	Location	Name	District	Date of designation
1	On site	Linthwaite	Kirklees	28/03/2004
8	183m N	Wellhouse	Kirklees	31/03/1981

This data is sourced from English Heritage, 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 English Heritage, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

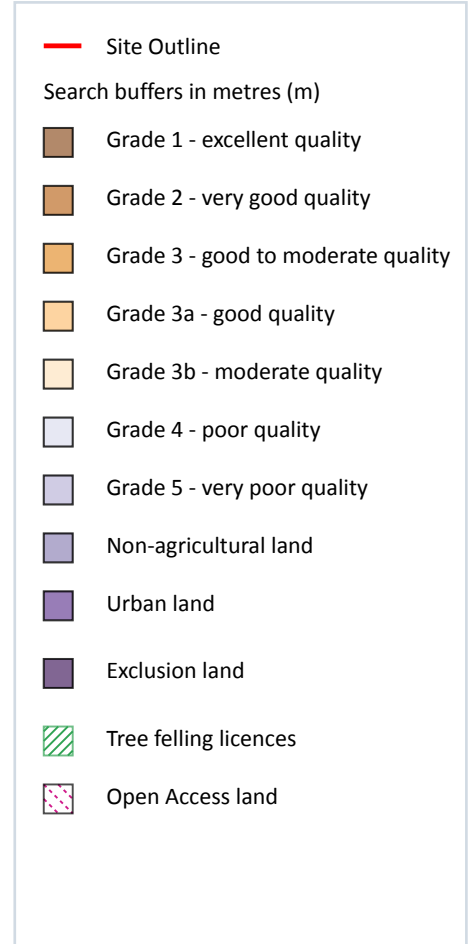
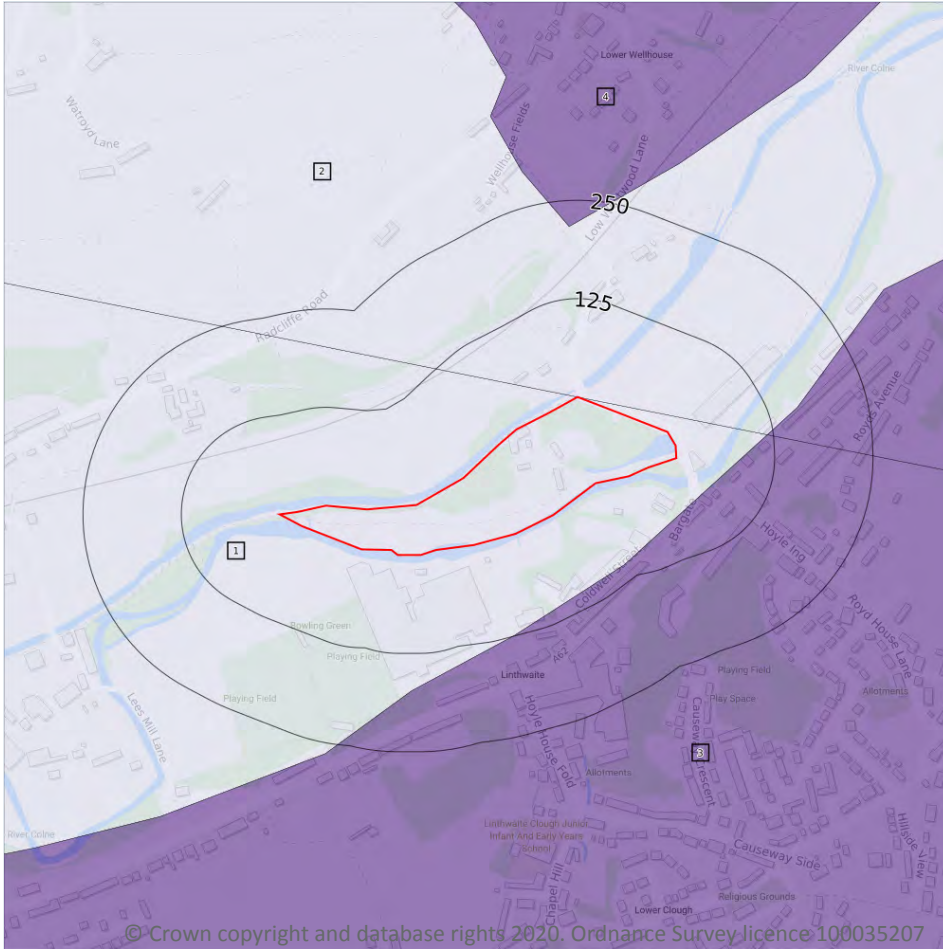
Records within 250m

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 English Heritage, Cadw and Historic Environment Scotland.*

## 12 Agricultural designations



### 12.1 Agricultural Land Classification

Records within 250m

4

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 116**

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

ID	Location	Classification	Description
2	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.
3	56m SE	Urban	-
4	117m E	Urban	-

*This data is sourced from Natural England.*

## 12.2 Open Access Land

Records within 250m

0

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

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

## 12.3 Tree Felling Licences

Records within 250m

0

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

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

Records within 250m

1

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment.

Location	Reference	Scheme	Start Date	End date
9m NE	AG00421652	Entry Level plus Higher Level Stewardship	01/05/2013	30/04/2023

*This data is sourced from Natural England.*



## 12.5 Countryside Stewardship Schemes

Records within 250m

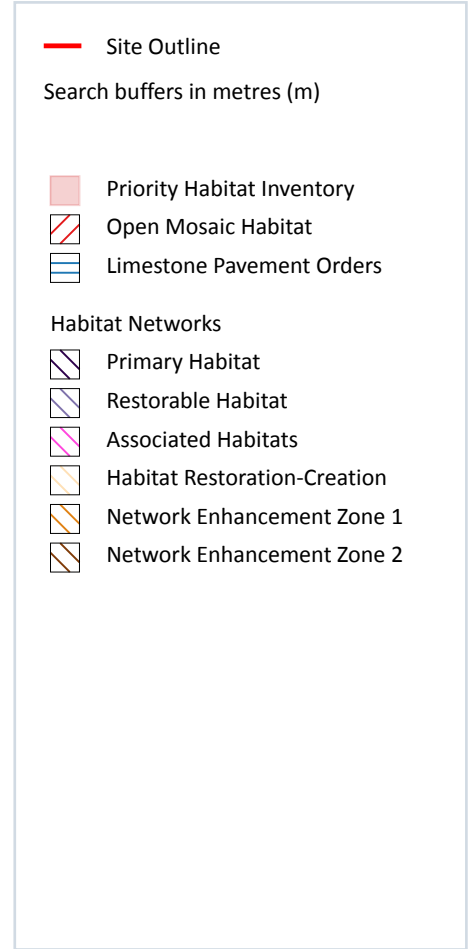
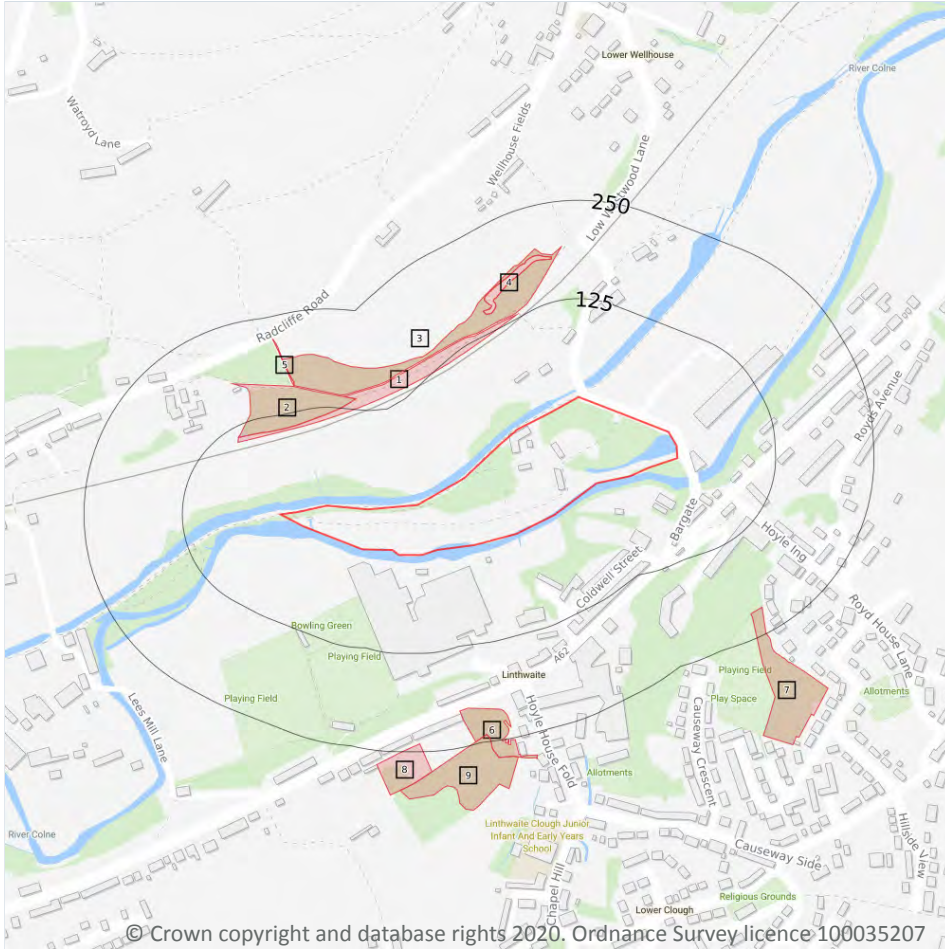
0

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

*This data is sourced from Natural England.*



## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

9

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 119**

ID	Location	Main Habitat	Other habitats
1	102m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	106m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	132m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	147m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	158m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	203m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	218m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	240m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	241m S	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**

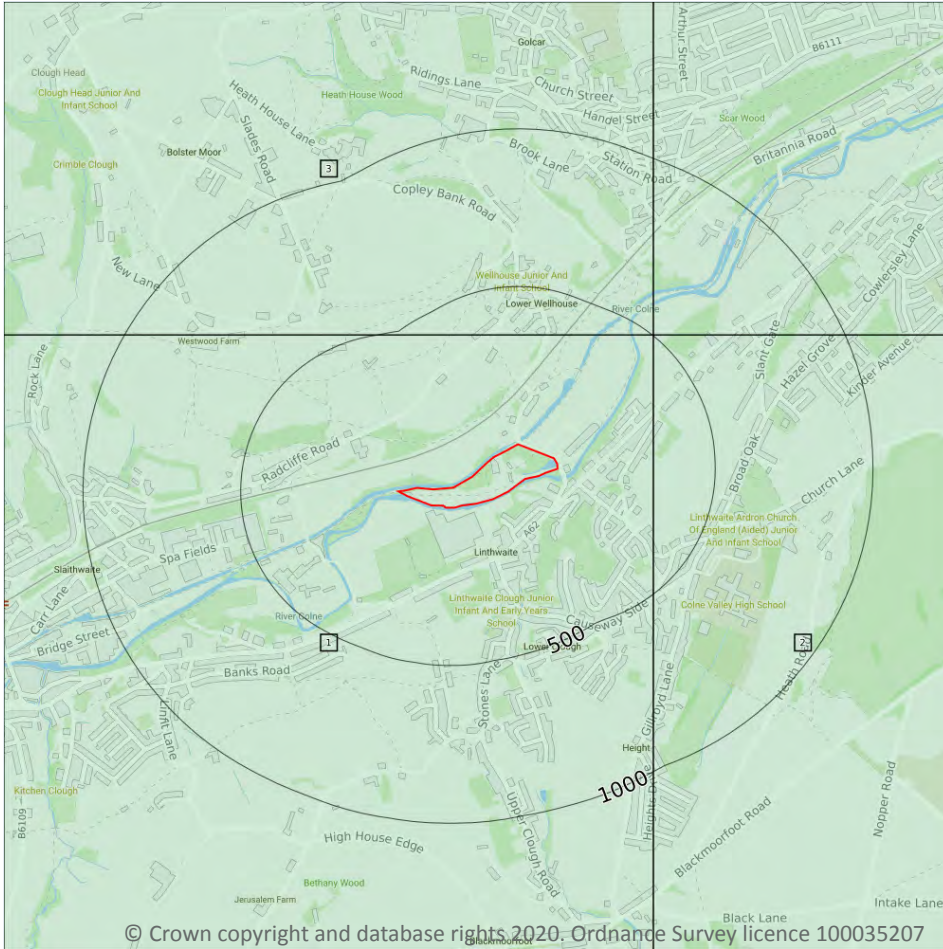
**0**

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

3

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 121](#)

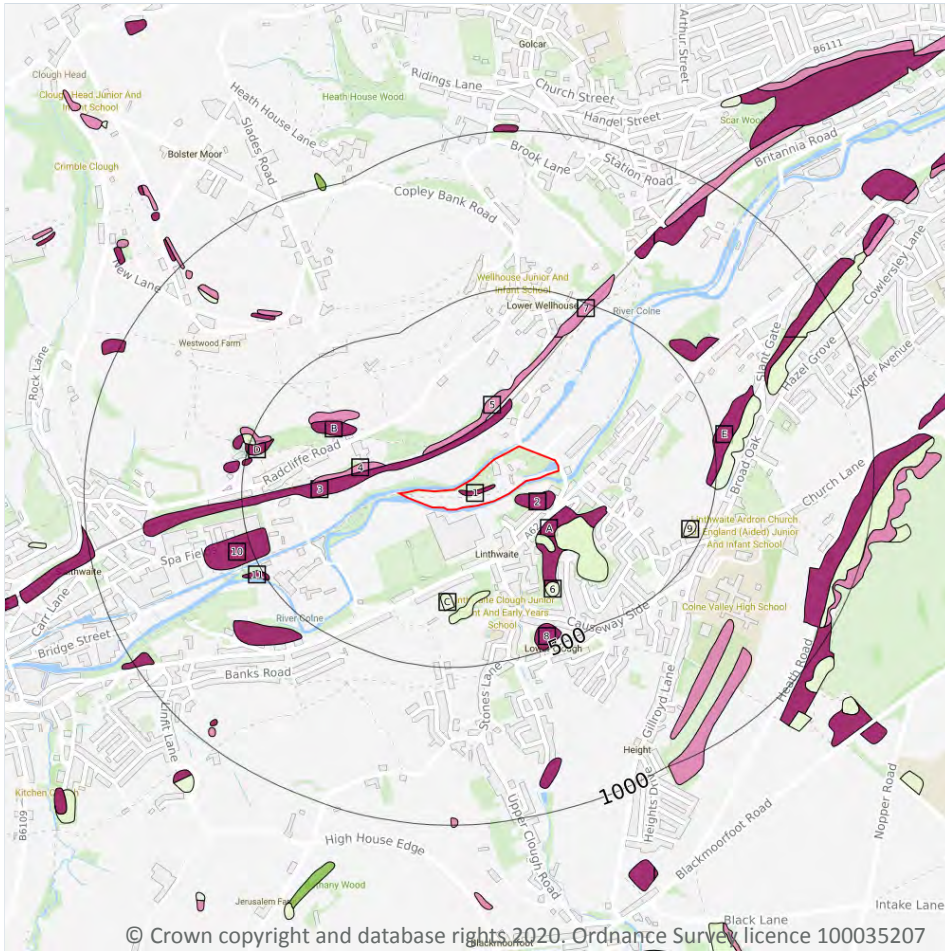
ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	SE01SE
2	304m E	Full	Full	Full	Full	SE11SW
3	347m N	Full	Full	Full	Full	SE01NE

*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

24

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 122**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	20m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	75m N	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
4	99m NW	WGR-VOID	Worked Ground (Undivided)	Void

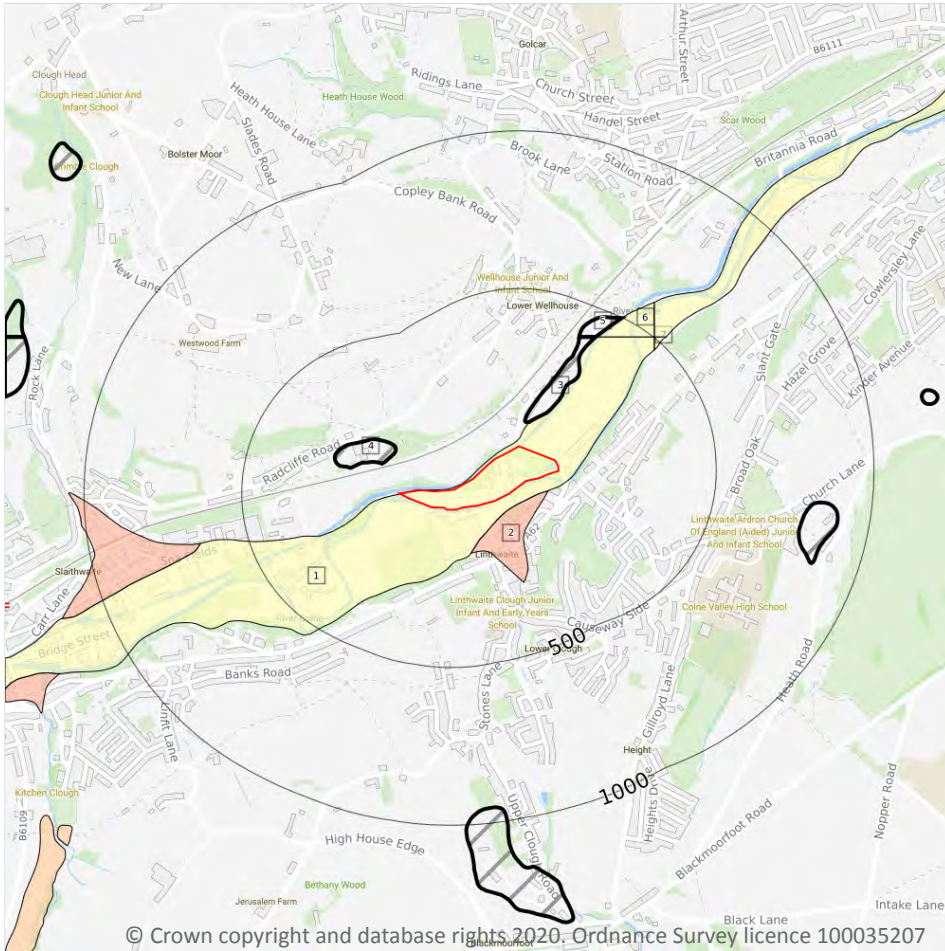




ID	Location	LEX Code	Description	Rock description
5	110m N	WGR-VOID	Worked Ground (Undivided)	Void
A	114m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	157m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
A	159m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	239m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
C	264m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
C	271m S	WMGR-ARTDP	Infilled Ground	Artificial Deposit
B	274m NW	WGR-VOID	Worked Ground (Undivided)	Void
6	309m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
7	365m N	WGR-VOID	Worked Ground (Undivided)	Void
8	420m S	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
D	433m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
9	440m SE	WMGR-ARTDP	Infilled Ground	Artificial Deposit
D	440m NW	WGR-VOID	Worked Ground (Undivided)	Void
10	440m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
E	470m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
D	479m W	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
D	483m W	WMGR-ARTDP	Infilled Ground	Artificial Deposit
E	485m E	WMGR-ARTDP	Infilled Ground	Artificial Deposit
11	490m SW	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

4

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 124**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
2	42m SE	ALF-XSV	Alluvial Fan Deposits - Sand And Gravel	Sand And Gravel
6	411m N	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel
7	471m NE	ALV-XCSV	Alluvium - Clay, Sand And Gravel	Clay, Sand And Gravel



*This data is sourced from the British Geological Survey.*

## 14.4 Landslip (10k)

Records within 500m

3

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.

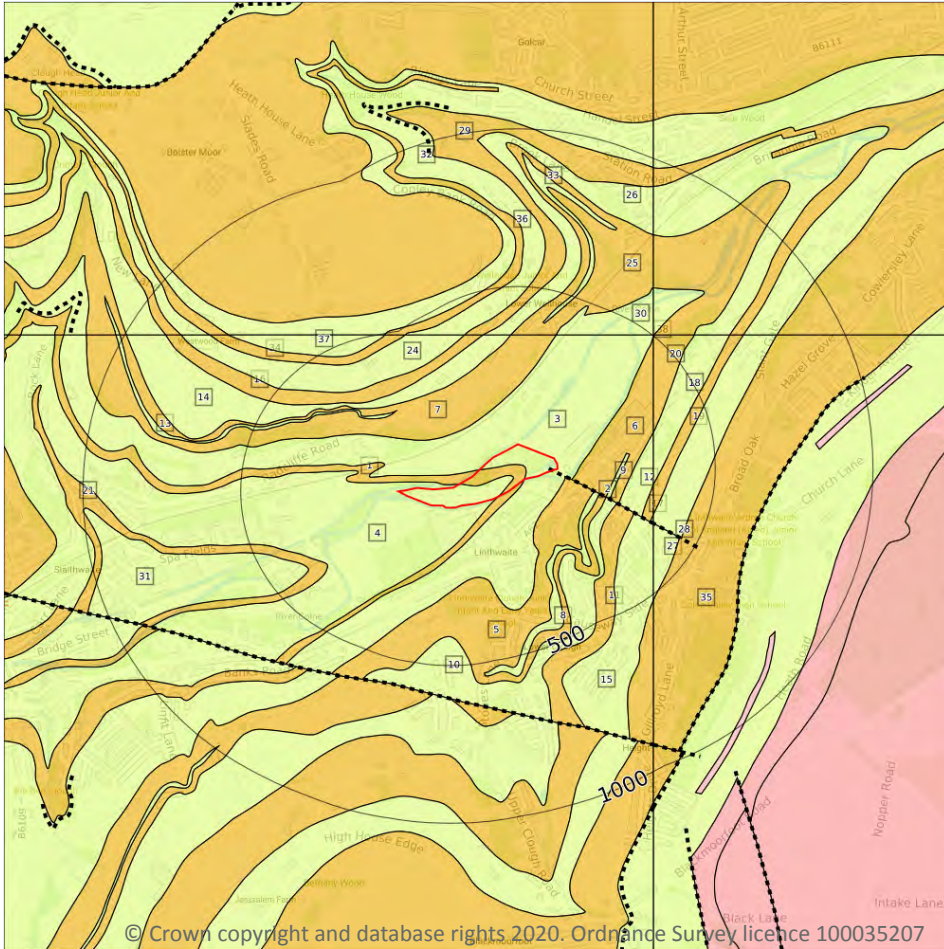
Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 124**

ID	Location	LEX Code	Description	Rock description
3	80m N	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry
4	109m NW	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry
5	392m N	SLIP-UNKNOWN	Landslide Deposits	Unknown/unclassified Entry

*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

36

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 126**

ID	Location	LEX Code	Description	Rock age
1	On site	EC-SDST	East Carlton Grit - Sandstone	Marsdenian Sub-age
3	On site	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
4	On site	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age



ID	Location	LEX Code	Description	Rock age
5	34m SE	MGG-SDST	Midgley Grit - Sandstone	Marsdenian Sub-age
6	57m SE	MGG-SDST	Midgley Grit - Sandstone	Marsdenian Sub-age
7	125m NW	MGG-SDST	Midgley Grit - Sandstone	Marsdenian Sub-age
8	137m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
9	177m E	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
10	178m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
11	216m SE	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
12	221m E	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
13	238m N	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
14	268m NW	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
15	281m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
16	299m N	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
17	301m E	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
18	304m E	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
19	308m E	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
20	321m E	MGG-SDST	Midgley Grit - Sandstone	Marsdenian Sub-age
21	324m SW	RDG-SDST	Readycon Dean Flags - Sandstone	Marsdenian Sub-age
22	337m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
23	337m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
24	345m N	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
25	347m N	MGG-SDST	Midgley Grit - Sandstone	Marsdenian Sub-age
26	347m N	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age



ID	Location	LEX Code	Description	Rock age
27	350m SE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
29	364m N	GSYG-SDST	Guiseley Grit - Sandstone	Marsdenian Sub-age
30	367m N	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
31	377m SW	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
32	386m NW	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
33	393m N	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
34	431m N	MGCZ-SDST	Unnamed Sandstone Of Marsdenian Age (in Millstone Grit Group) - Sandstone	Marsdenian Sub-age
35	444m E	HDW-SDST	Huddersfield White Rock - Sandstone	Marsdenian Sub-age
36	453m NW	MGCZ-SDST	Unnamed Sandstone Of Marsdenian Age (in Millstone Grit Group) - Sandstone	Marsdenian Sub-age
37	458m N	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age
38	498m NE	MG-MDSS	Millstone Grit Group [see Also Migr] - Mudstone, Siltstone And Sandstone	Namurian Age

*This data is sourced from the British Geological Survey.*

## 14.6 Bedrock faults and other linear features (10k)

**Records within 500m**

**2**

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.

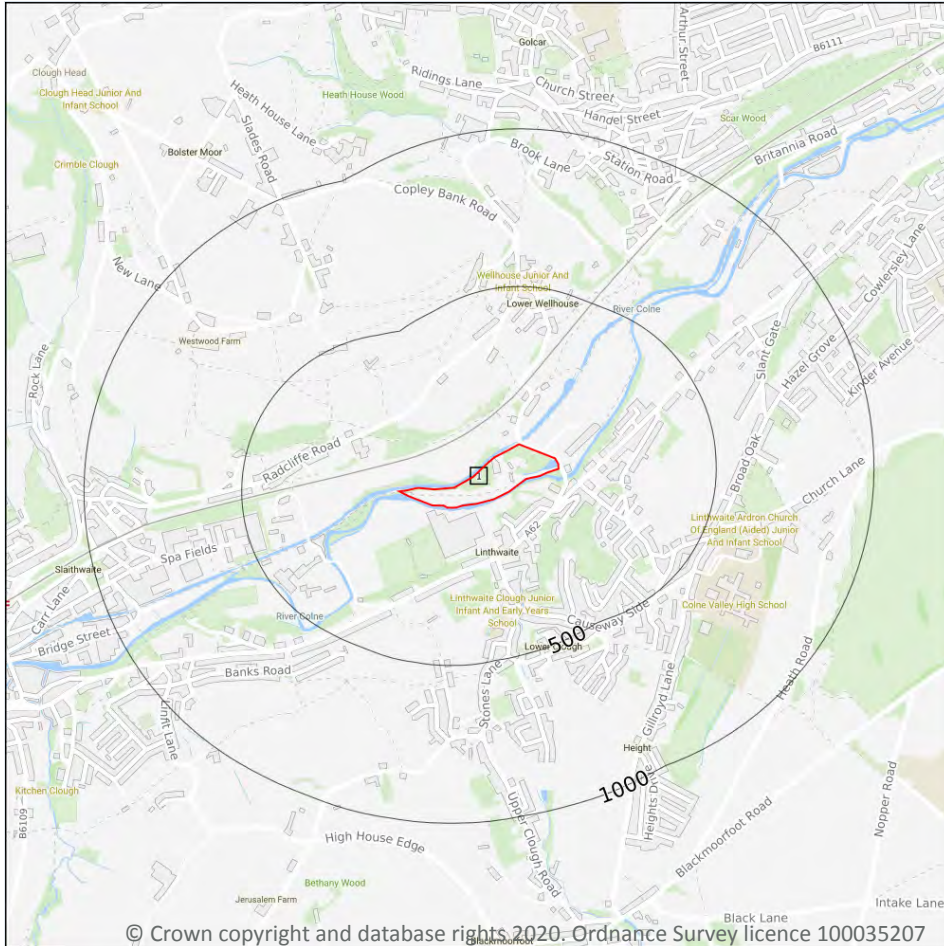
Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 126**

ID	Location	Category	Description
<b>2</b>	<b>On site</b>	<b>FAULT</b>	<b>Normal fault, inferred; downthrow not specified</b>
28	350m SE	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.

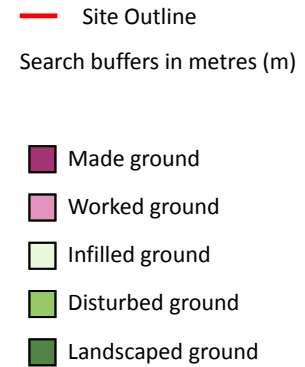
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 129](#)

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

This data is sourced from the British Geological Survey.



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



### 15.2 Artificial and made ground (50k)

#### Records within 500m

6

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 130**

ID	Location	LEX Code	Description	Rock description
1	89m NW	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	113m S	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	160m S	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	442m W	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT



ID	Location	LEX Code	Description	Rock description
3	466m E	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
B	489m E	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

*This data is sourced from the British Geological Survey.*

### 15.3 Artificial ground permeability (50k)

Records within 50m

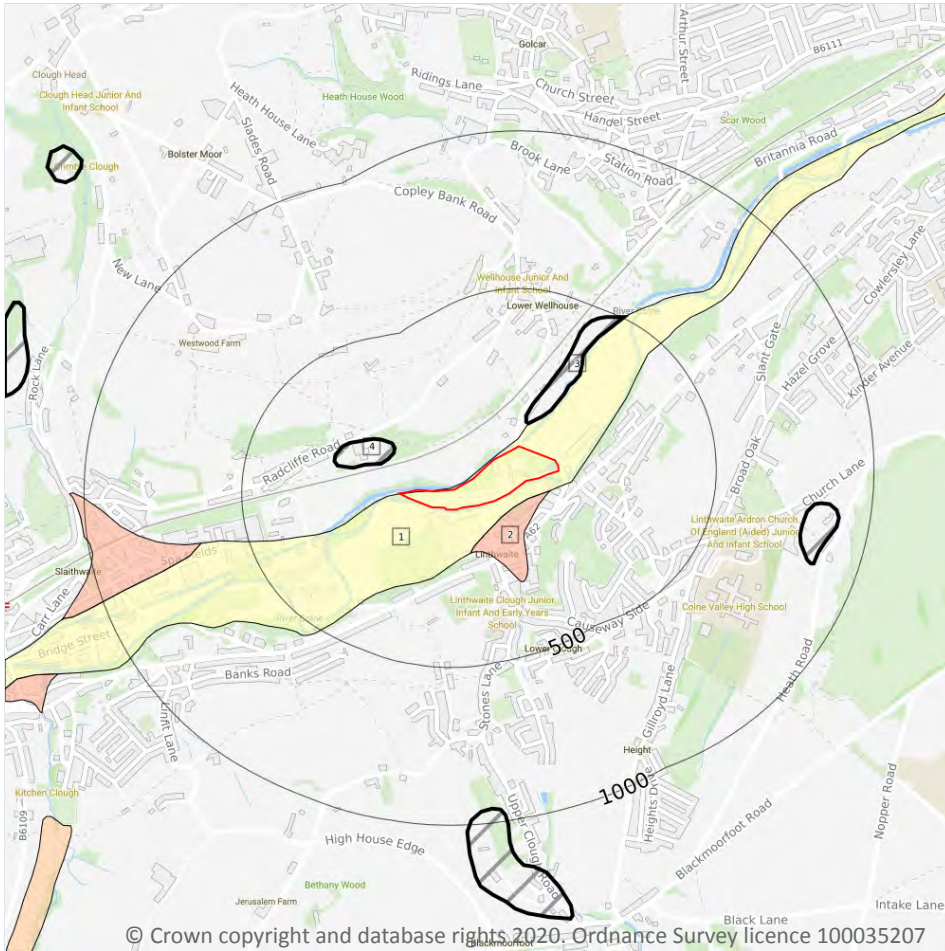
0


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 132**

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	45m SE	ALF-XSV	ALLUVIAL FAN DEPOSITS	SAND AND GRAVEL

*This data is sourced from the British Geological Survey.*



## 15.5 Superficial permeability (50k)

<b>Records within 50m</b>	<b>2</b>
---------------------------	----------

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
<b>On site</b>	<b>Intergranular</b>	<b>High</b>	<b>Very Low</b>
45m S	Intergranular	Very High	High

*This data is sourced from the British Geological Survey.*

## 15.6 Landslip (50k)

<b>Records within 500m</b>	<b>2</b>
----------------------------	----------

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 132**

ID	Location	LEX Code	Description	Rock description
3	79m N	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY
4	110m NW	SLIP-UNKNOWN	LANDSLIDE DEPOSITS	UNKNOWN/UNCLASSIFIED ENTRY

*This data is sourced from the British Geological Survey.*

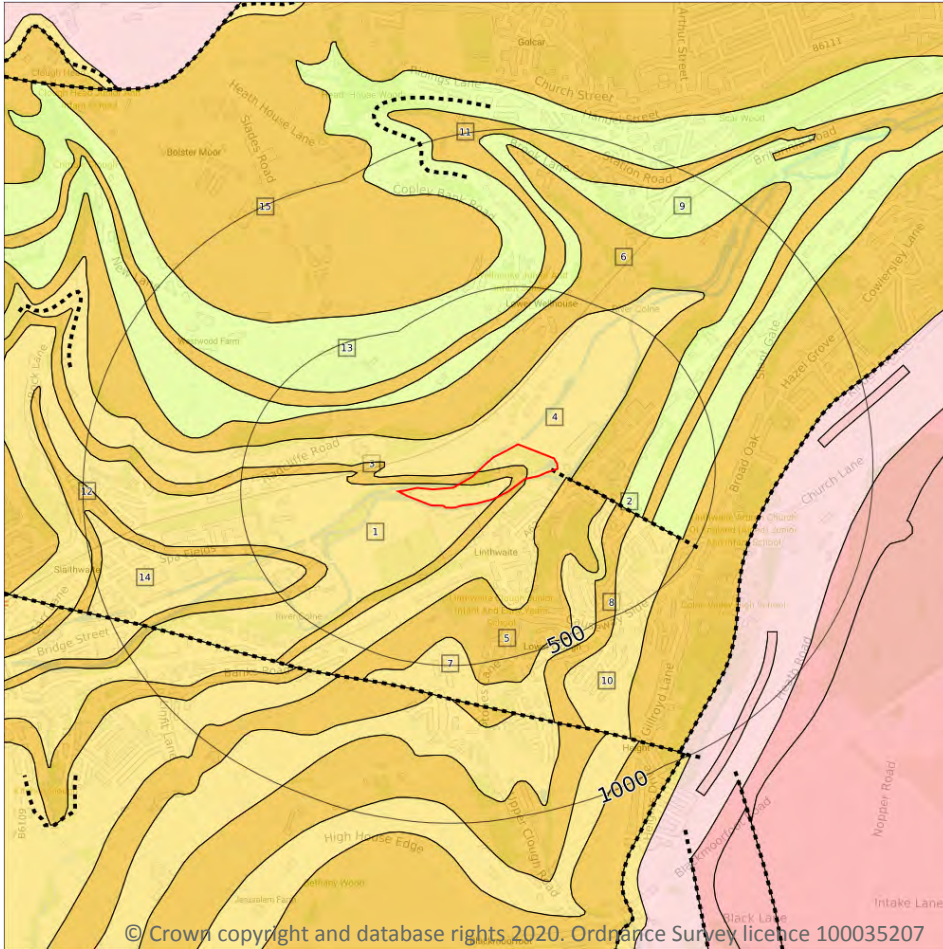
## 15.7 Landslip permeability (50k)

<b>Records within 50m</b>	<b>0</b>
---------------------------	----------

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

14

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 134**

ID	Location	LEX Code	Description	Rock age
1	On site	MARSD-MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
3	On site	EC-SDST	EAST CARLTON GRIT - SANDSTONE	NAMURIAN
4	On site	MARSD-MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN



ID	Location	LEX Code	Description	Rock age
5	39m SE	MGG-SDST	MIDGLEY GRIT - SANDSTONE	NAMURIAN
6	54m SE	MGG-SDST	MIDGLEY GRIT - SANDSTONE	NAMURIAN
7	183m SE	MARSD- MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
8	218m SE	GSYG-SDST	GUISELEY GRIT - SANDSTONE	NAMURIAN
9	226m E	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
10	288m SE	MARSD- MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
11	302m N	GSYG-SDST	GUISELEY GRIT - SANDSTONE	NAMURIAN
12	328m SW	RDG-SDST	READYCON DEAN FLAGS - SANDSTONE	NAMURIAN
13	342m SE	MG-MDSS	MILLSTONE GRIT GROUP [SEE ALSO MIGR] - MUDSTONE, SILTSTONE AND SANDSTONE	NAMURIAN
14	383m SW	MARSD- MDSI	MARSDEN FORMATION - MUDSTONE AND SILTSTONE	NAMURIAN
15	446m SE	HDW-SDST	HUDDERSFIELD WHITE ROCK - SANDSTONE	NAMURIAN

*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

**Records within 50m**

**3**

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
<b>On site</b>	<b>Fracture</b>	<b>High</b>	<b>Moderate</b>
<b>On site</b>	<b>Fracture</b>	<b>Moderate</b>	<b>Low</b>
39m SW	Fracture	High	Moderate

*This data is sourced from the British Geological Survey.*



## 15.10 Bedrock faults and other linear features (50k)

Records within 500m

1

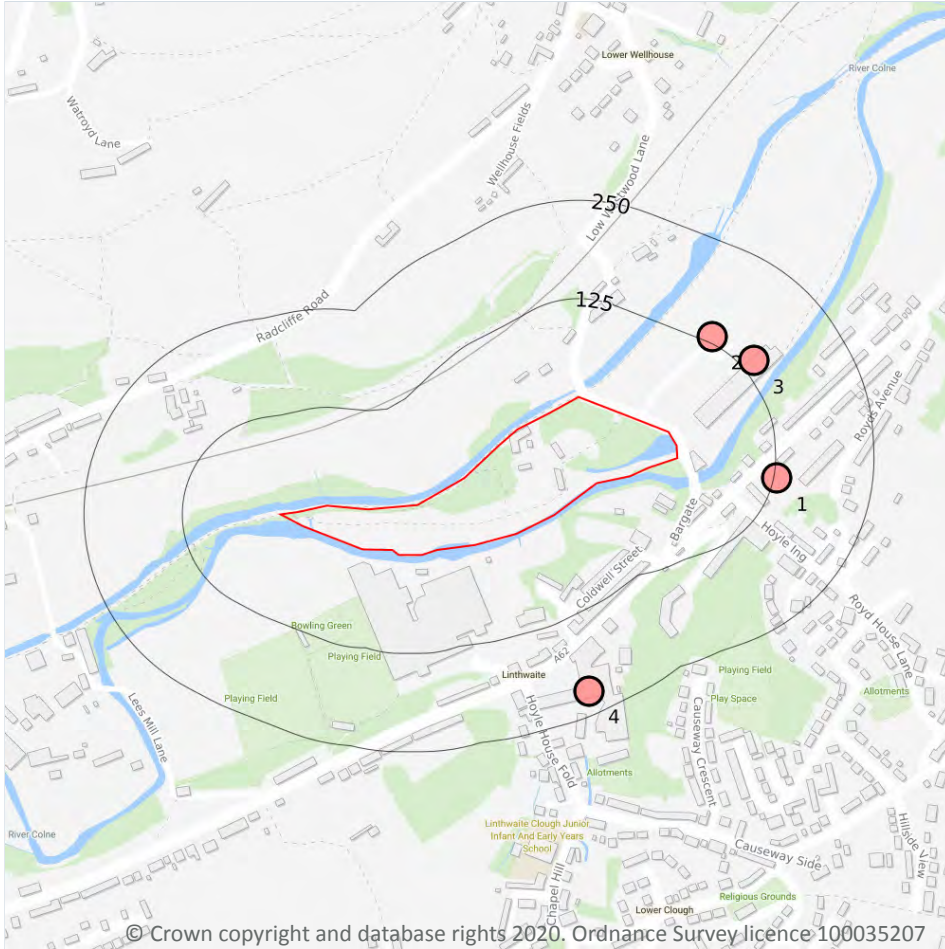
Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 134**

ID	Location	Category	Description
2	On site	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

4

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 137**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	129m E	409823 414550	J.DYESON & SONS LINTHWAITE	97.84	N	<a href="#">36915</a>
2	133m NE	409740 414730	TITANIC MILLS LINTHWAITE HUDDERSFIELD	81.0	N	<a href="#">18522706</a>
3	141m NE	409793 414700	LOWESWOOD MILL LINTHWAITE	64.0	N	<a href="#">36918</a>



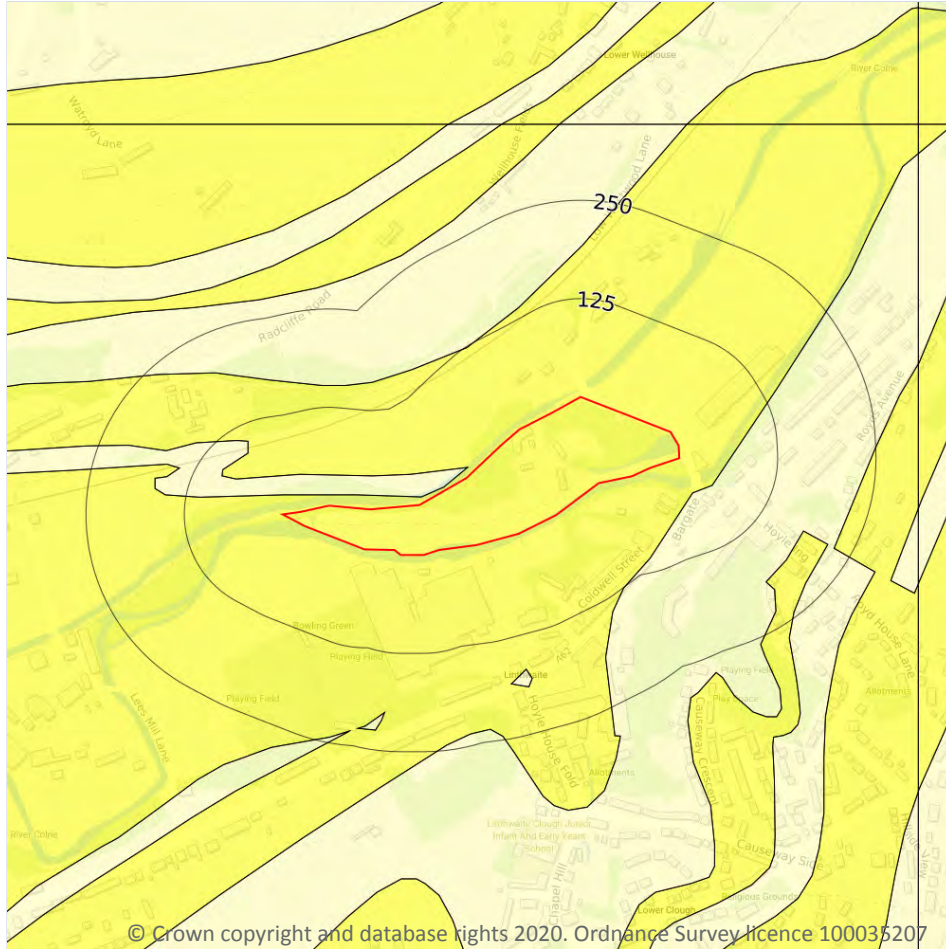


ID	Location	Grid reference	Name	Length	Confidential	Web link
4	220m SE	409584 414280	SPRING GROVE MILLS HUDDERSFIELD	41.45	N	<a href="#">36911</a>

*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

3

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

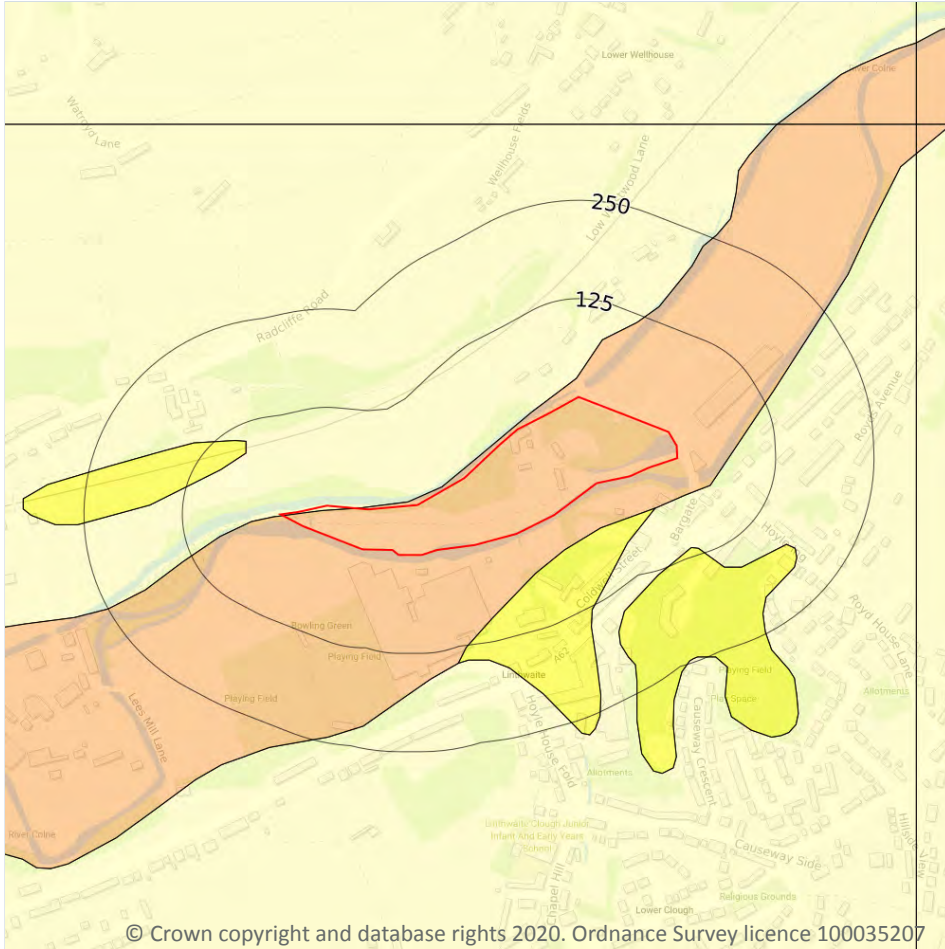
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 139**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
5m NW	Negligible	Ground conditions predominantly non-plastic.
47m S	Negligible	Ground conditions predominantly non-plastic.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Running sands



— Site Outline  
Search buffers in metres (m)

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

### 17.2 Running sands

Records within 50m

3

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

Features are displayed on the Natural ground subsidence - Running sands map on **page 141**

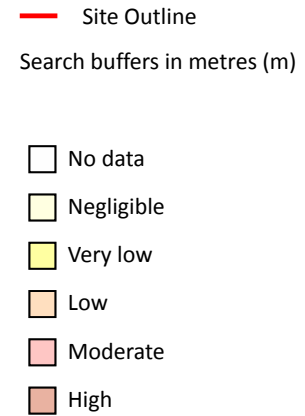
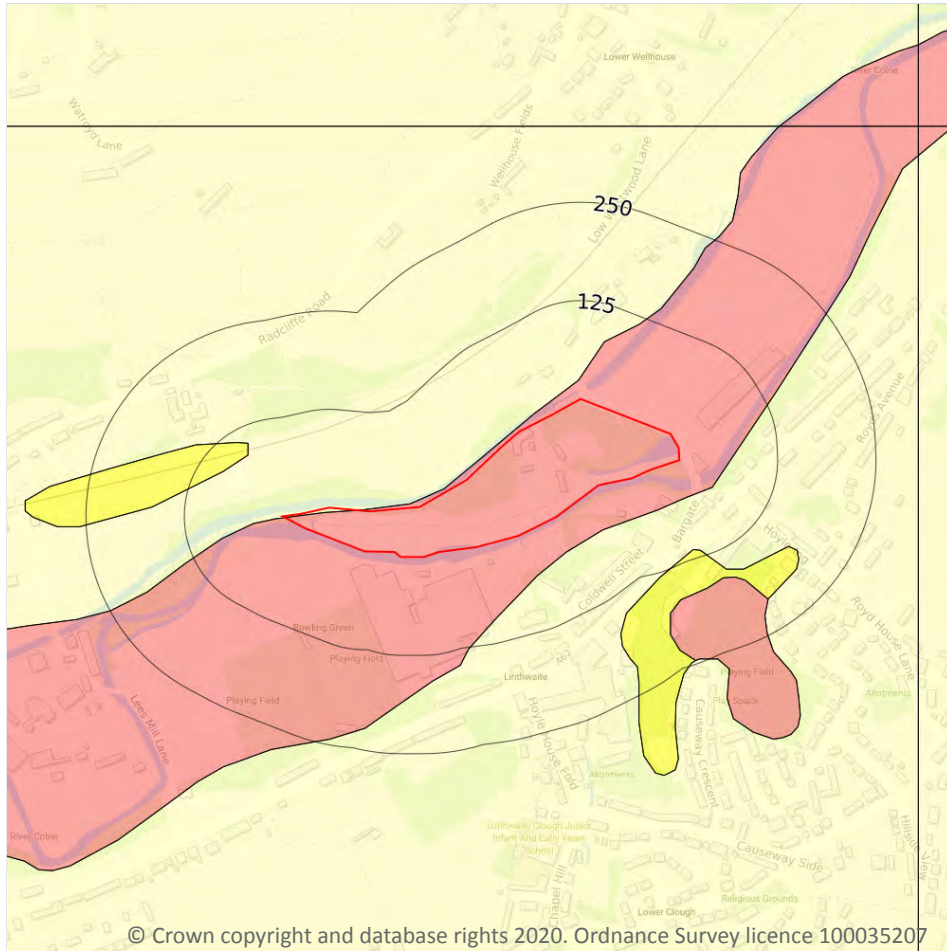
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

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.
45m SE	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

Records within 50m

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.

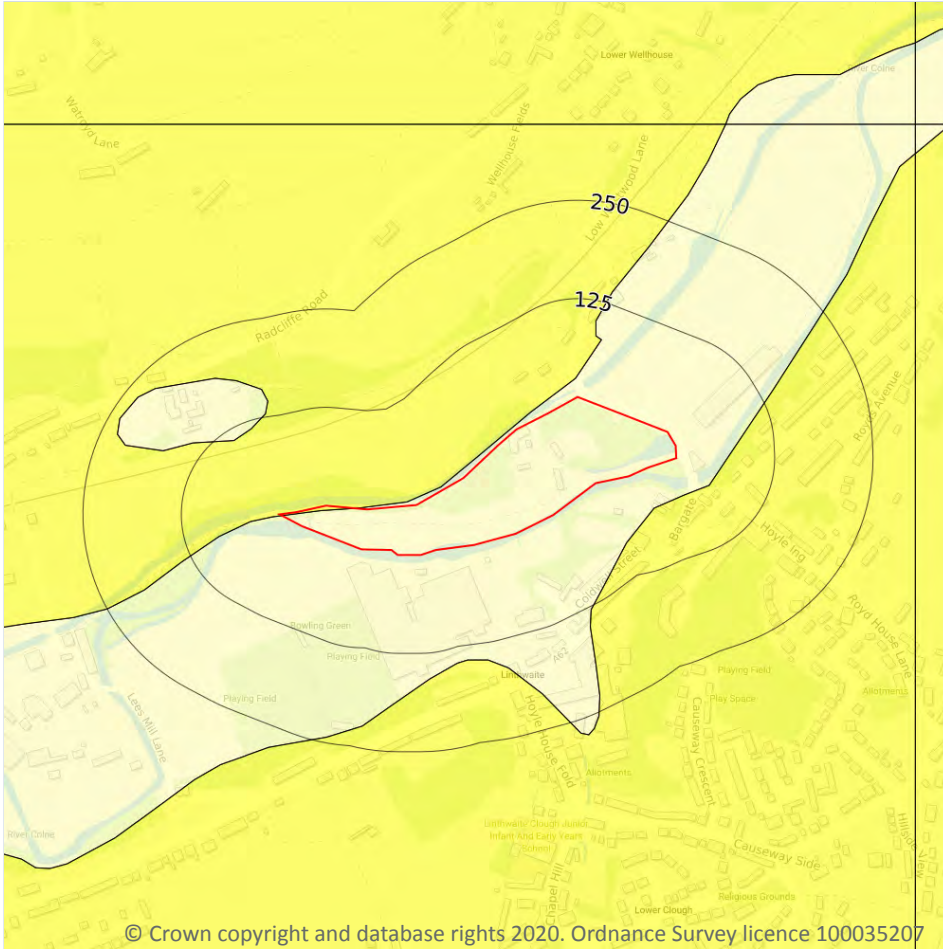
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 143**

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



### 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 145**

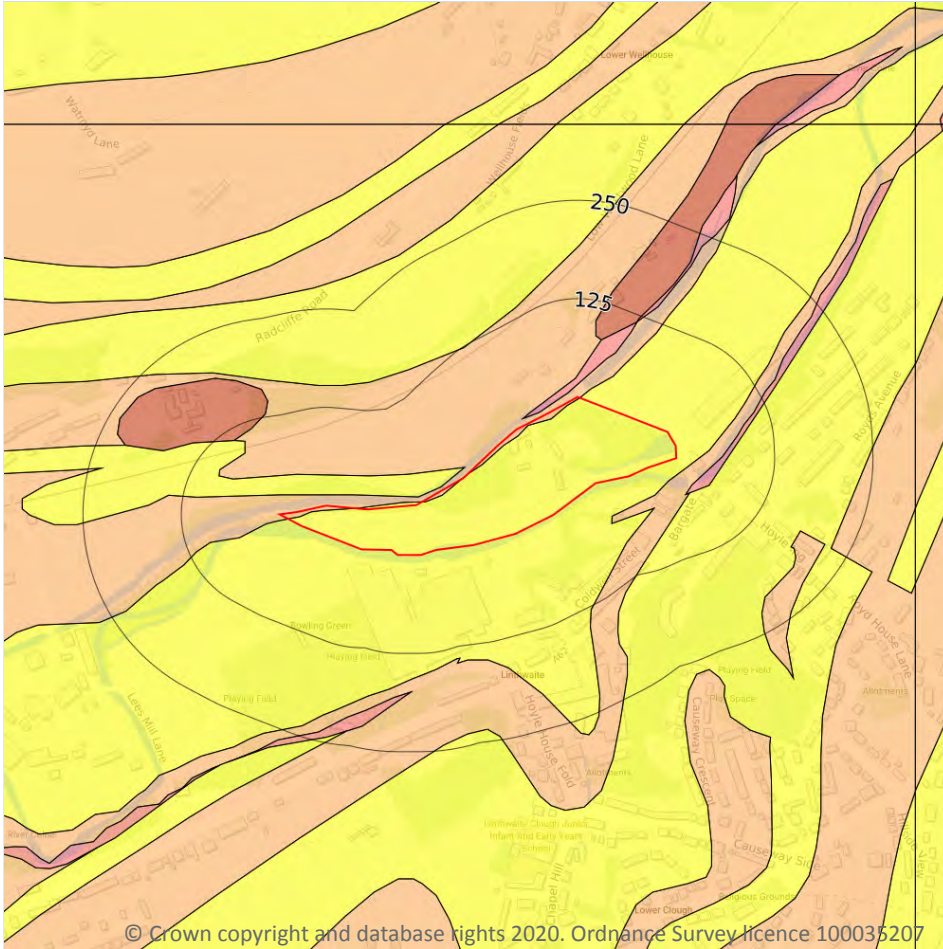
Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

*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

7

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 146**

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

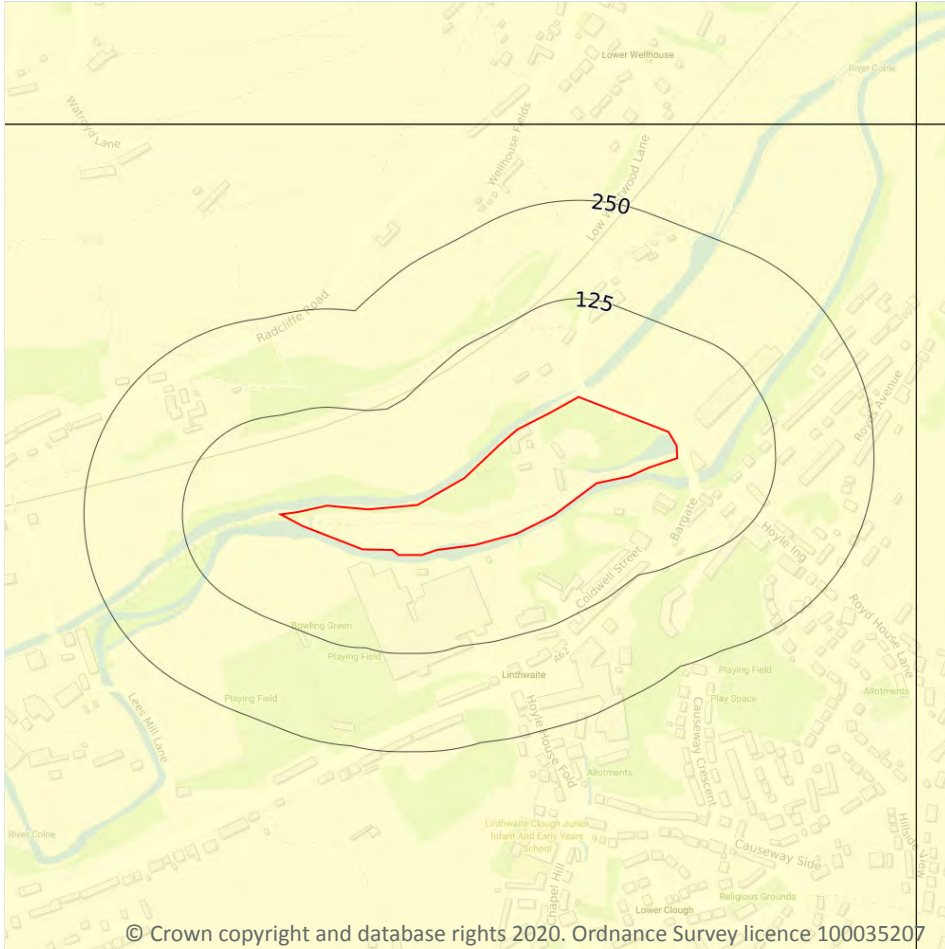


Location	Hazard rating	Details
On site	Low	<b>Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.</b>
5m NW	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
6m NW	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
18m SE	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
39m SE	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.
47m S	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Ground dissolution of soluble rocks



### 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.

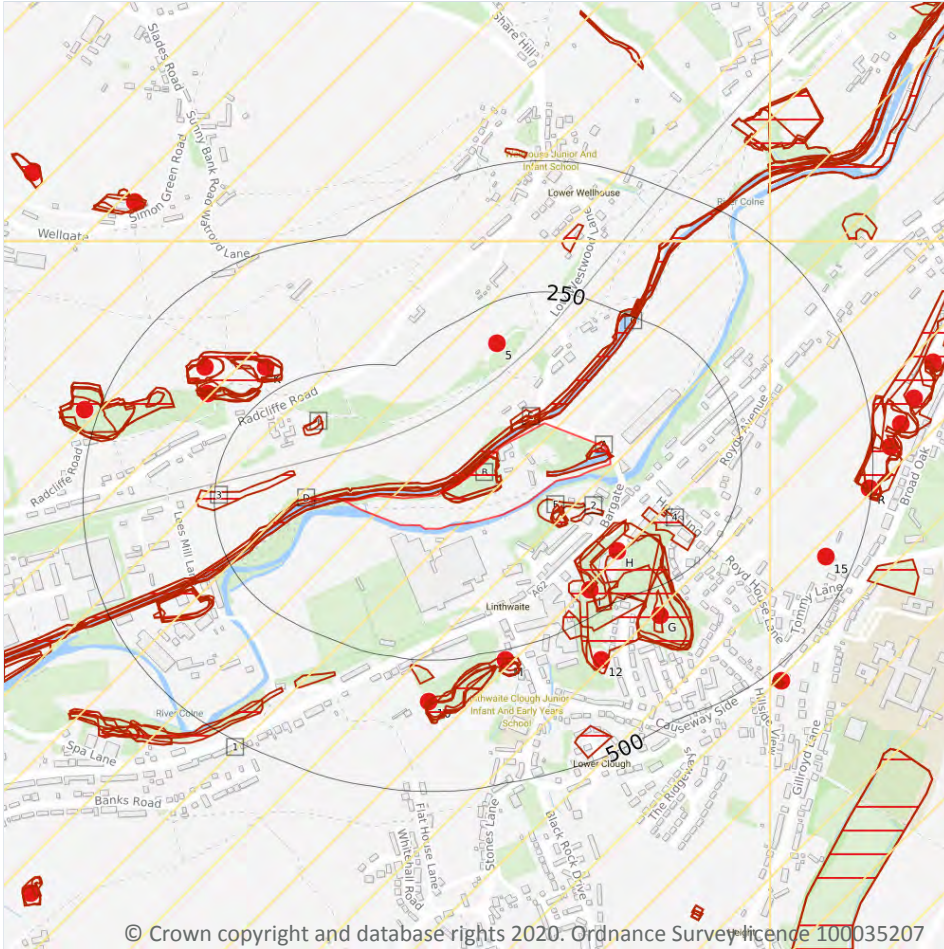
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 148**

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



### 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 Peter Brett Associates (PBA).*

## 18.2 BritPits

Records within 500m

12

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 150**

ID	Location	Details	Description
H	160m SE	Name: Hoyle House Address: Hoyle House, Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
5	177m NW	Name: Westwood House Address: Wellhouse, Golcar, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
I	204m SE	Name: Hollywell Address: Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
M	269m S	Name: Hoyle House Address: Hoyle House, Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
K	297m NW	Name: Hill Top Quarry Address: Slaithwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
G	302m S	Name: Linthwaite Brick Works Address: Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Clay & Shale Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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



ID	Location	Details	Description
10	328m S	Name: Hoyle House Address: Hoyle House, Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
12	331m SE	Name: Spring Grove Address: Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
K	333m NW	Name: Johny Bank Quarry Address: Slaithwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
K	369m NW	Name: Spout Quarry Address: Slaithwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
15	447m SE	Name: Lane Top Address: Lane Top, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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
R	495m E	Name: Linthwaite Address: Linthwaite, HUDDERSFIELD, West Yorkshire Commodity: Sandstone Status: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site	Type: Ceased 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

37

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 150**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Pond	1978	1:10000
A	On site	Pond	1948	1:10560
A	On site	Pond	1905	1:10560
A	On site	Pond	1955	1:10560
B	On site	Pond	1978	1:10000
B	On site	Mill Pond	1948	1:10560
B	On site	Mill Pond	1905	1:10560
B	On site	Mill Pond	1955	1:10560
B	On site	Mill Pond	1930	1:10560
C	2m N	Canal	1948	1:10560
C	2m N	Canal	1905	1:10560
C	2m NW	Canal	1930	1:10560
D	9m NW	Disused Canal	1978	1:10000
D	9m NW	Disused Canal	1955	1:10560
E	12m NW	Unspecified Wharf	1948	1:10560
E	12m NW	Unspecified Wharf	1905	1:10560
E	12m NW	Unspecified Wharf	1930	1:10560
E	12m NW	Unspecified Wharf	1930	1:10560
F	15m SE	Unspecified Ground Workings	1978	1:10000
E	22m NW	Unspecified Wharf	1955	1:10560
F	38m SE	Refuse Heap	1955	1:10560
F	45m SE	Unspecified Heap	1948	1:10560
F	46m SE	Refuse Heap	1930	1:10560





ID	Location	Land Use	Year of mapping	Mapping scale
F	46m SE	Refuse Heap	1930	1:10560
2	65m S	Refuse Heap	1905	1:10560
G	108m S	Unspecified Quarry	1948	1:10560
3	109m NW	Unspecified Ground Workings	1905	1:10560
4	110m SE	Brick Works	1905	1:10560
H	111m S	Unspecified Quarry	1905	1:10560
I	114m S	Unspecified Ground Workings	1978	1:10000
I	128m S	Unspecified Quarry	1930	1:10560
J	140m N	Unspecified Heap	1948	1:10560
G	147m S	Unspecified Disused Quarry	1978	1:10000
J	151m NW	Unspecified Ground Workings	1955	1:10560
G	178m SE	Unspecified Quarry	1930	1:10560
G	217m SE	Unspecified Quarry	1955	1:10560
6	220m SE	Unspecified Quarry	1905	1:10560

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

## 18.4 Underground workings

**Records within 1000m**

**0**

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

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

## 18.5 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

4

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 150**

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Vein Mineral	A	<b>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</b>
8	304m E	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
13	347m N	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
16	502m NE	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 Peter Brett Associates (PBA).*



## 18.8 JPB mining areas

Records on site	0
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Areas which could be affected by former coal 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	0
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Areas which could be affected by past, current or future coal mining.

*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

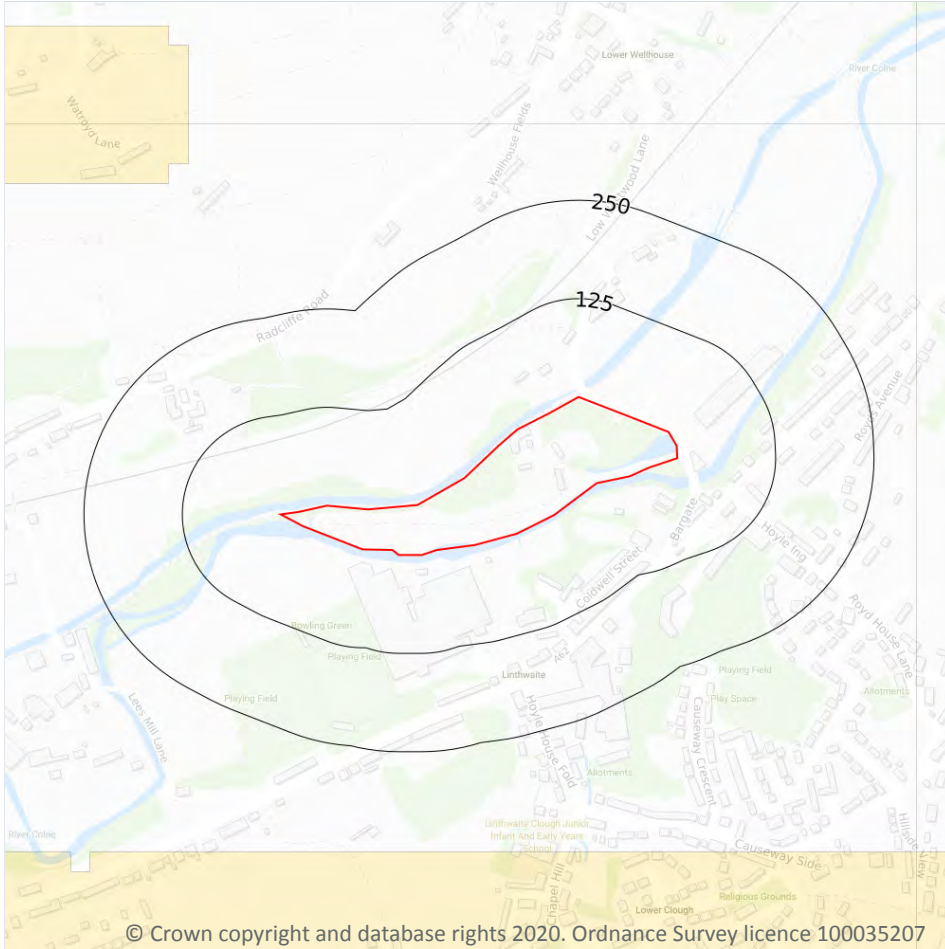
0

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%

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### 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 158**

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

22

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<sup>2</sup>. 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<sup>2</sup>; 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 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 - 200 mg/kg	60 - 120 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	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	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 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	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	60 - 90 mg/kg	15 - 30 mg/kg
3m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
5m W	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
5m NW	15 - 25 mg/kg	No data	100 - 200 mg/kg	60 - 120 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m NE	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
14m W	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
18m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
39m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
45m SE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
47m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
48m S	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

*This data is sourced from the British Geological Survey.*

## 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<sup>2</sup>).

*This data is sourced from the British Geological Survey.*



## 20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

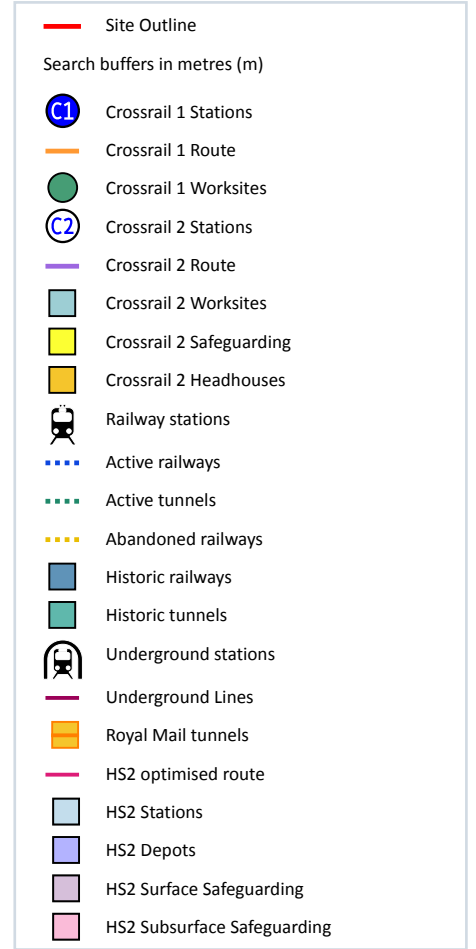
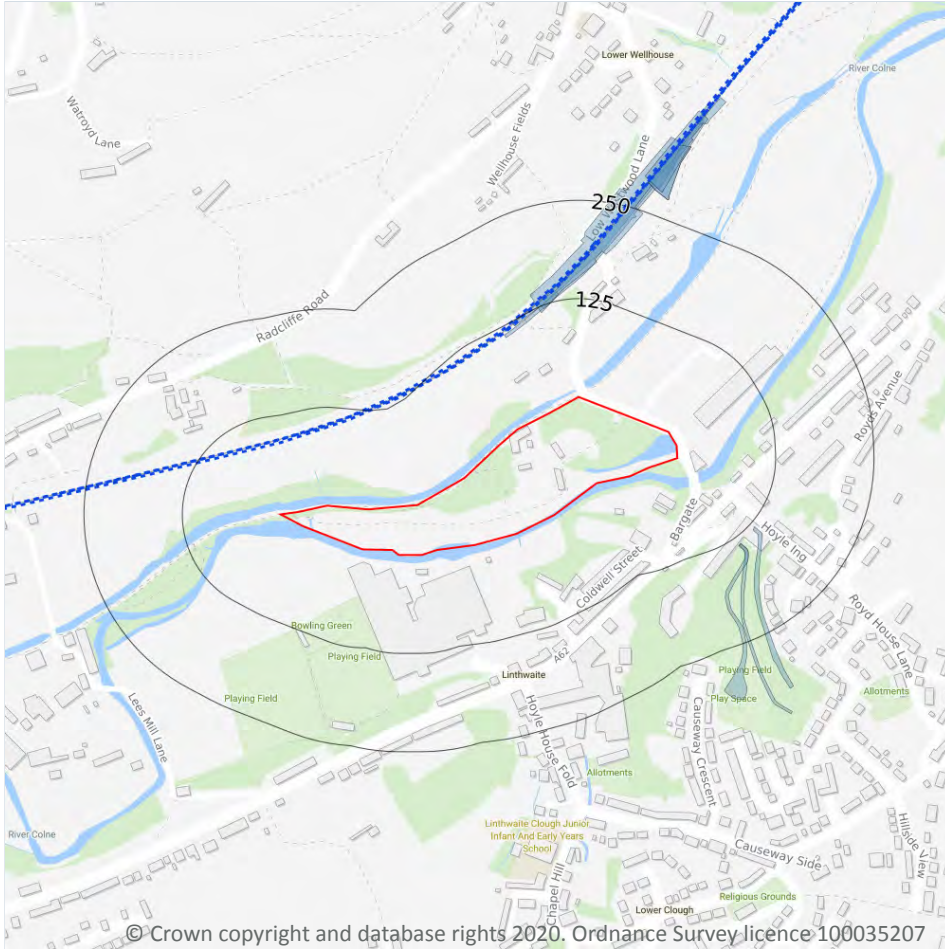
The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*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

7

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

Features are displayed on the Railway infrastructure and projects map on **page 162**

Location	Land Use	Year of mapping	Mapping scale
111m NW	Railway Sidings	1913	2500
117m NW	Railway Sidings	1955	10560
118m NW	Railway Sidings	1906	2500
121m N	Railway Sidings	1892	2500
131m SE	Railway Sidings	1906	2500
135m SE	Railway Sidings	1913	2500
136m SE	Railway Sidings	1892	2500

*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

22

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

Features are displayed on the Railway infrastructure and projects map on **page 162**

Location	Name	Type
89m N	Huddersfield Line	rail
92m N	Huddersfield Line	rail
93m N	Not given	Multi Track
93m N	Not given	Multi Track
96m N	Not given	Multi Track
97m N	Not given	Multi Track
98m N	Not given	Multi Track
99m N	Not given	Multi Track
112m NW	Not given	Multi Track
115m NW	Not given	Multi Track
119m NW	Not given	Multi Track
122m NW	Not given	Multi Track
128m N	Not given	Multi Track
148m N	Not given	Multi Track
179m N	Huddersfield Line	rail
181m N	Huddersfield Line	rail
185m N	Not given	Multi Track
190m W	Not given	Multi Track



Location	Name	Type
192m N	Huddersfield Line	rail
194m N	Huddersfield Line	rail
226m W	Not given	Multi Track
233m N	Not given	Multi Track

*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.*



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## Data providers

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

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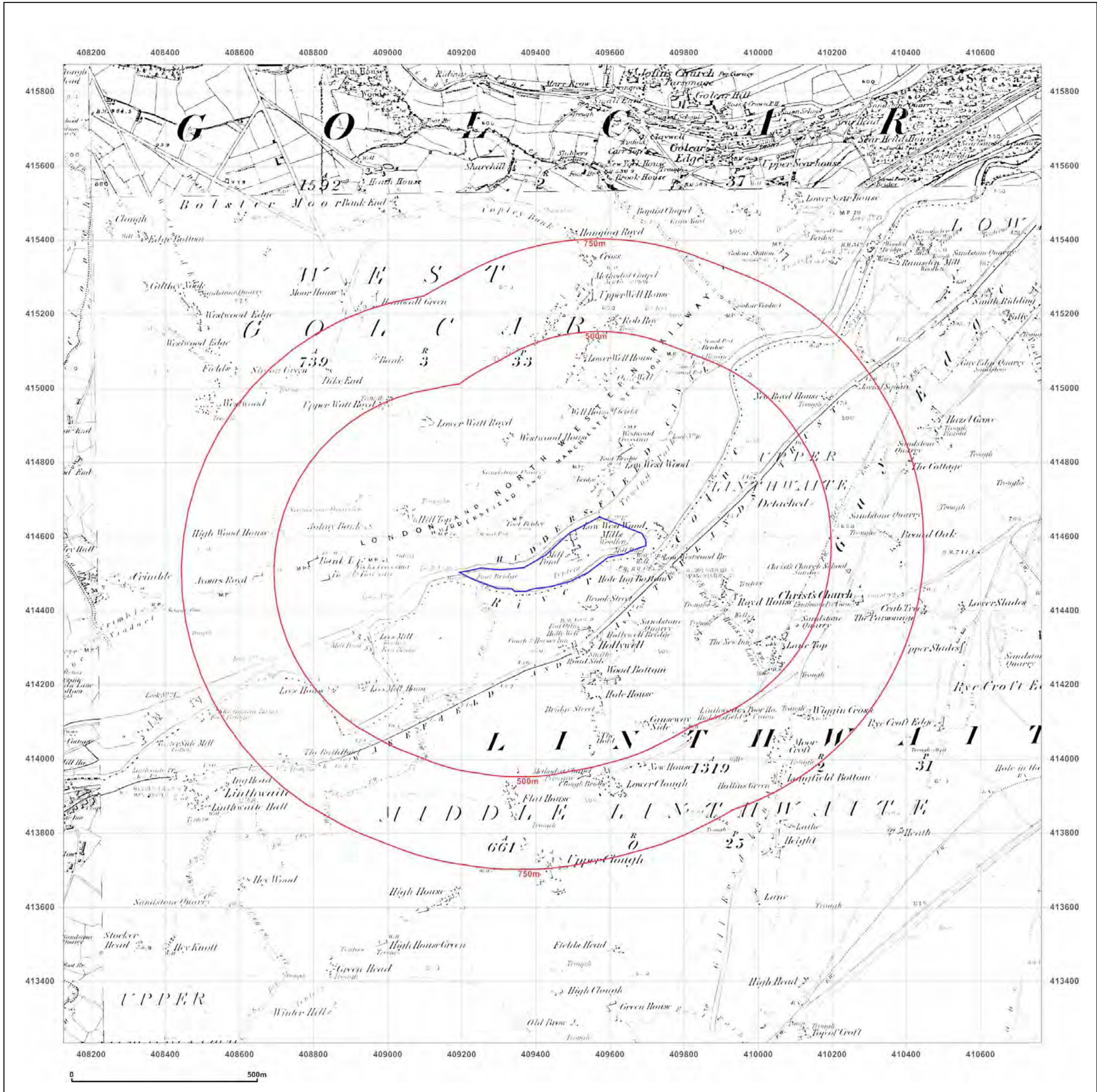


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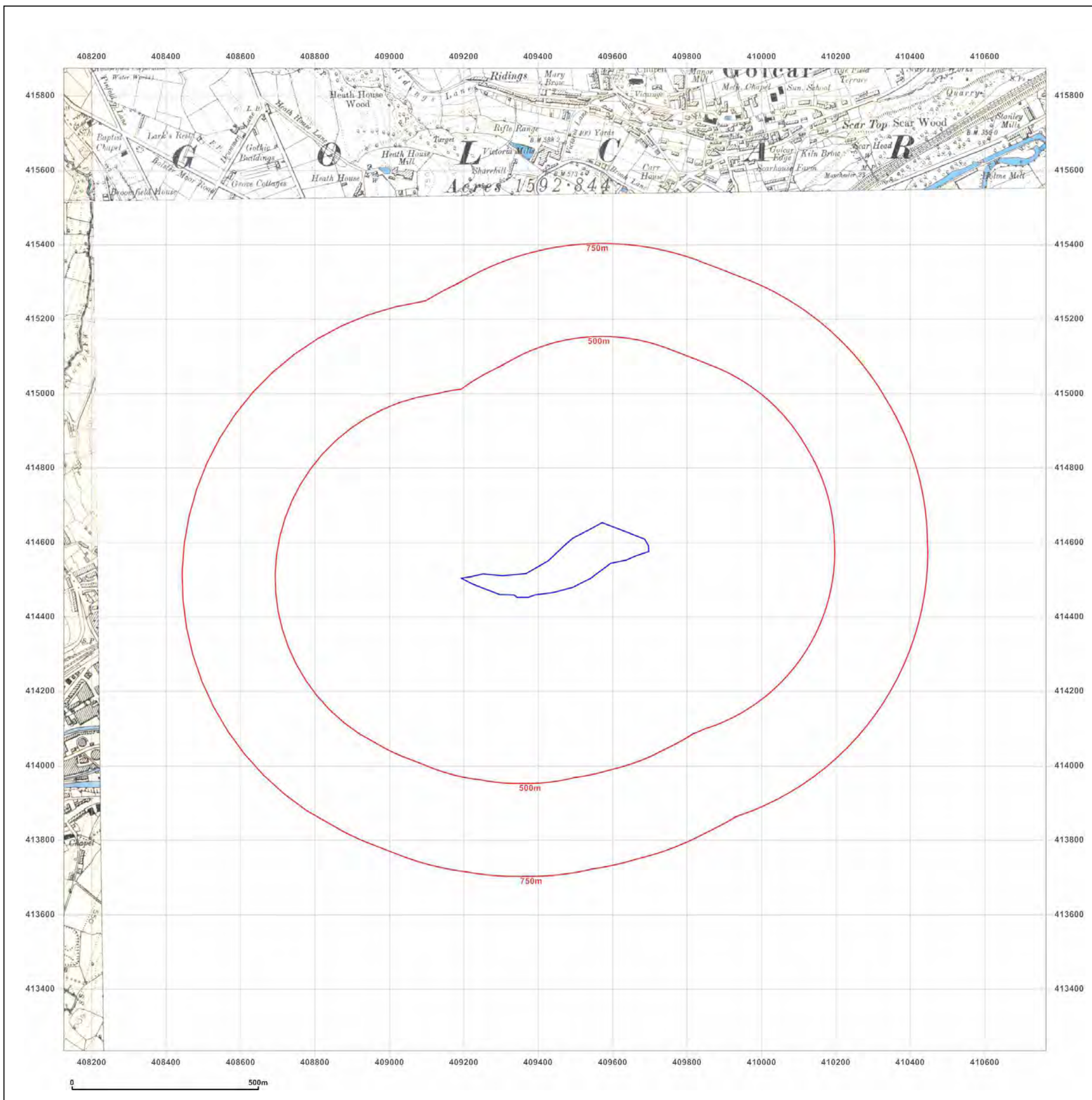


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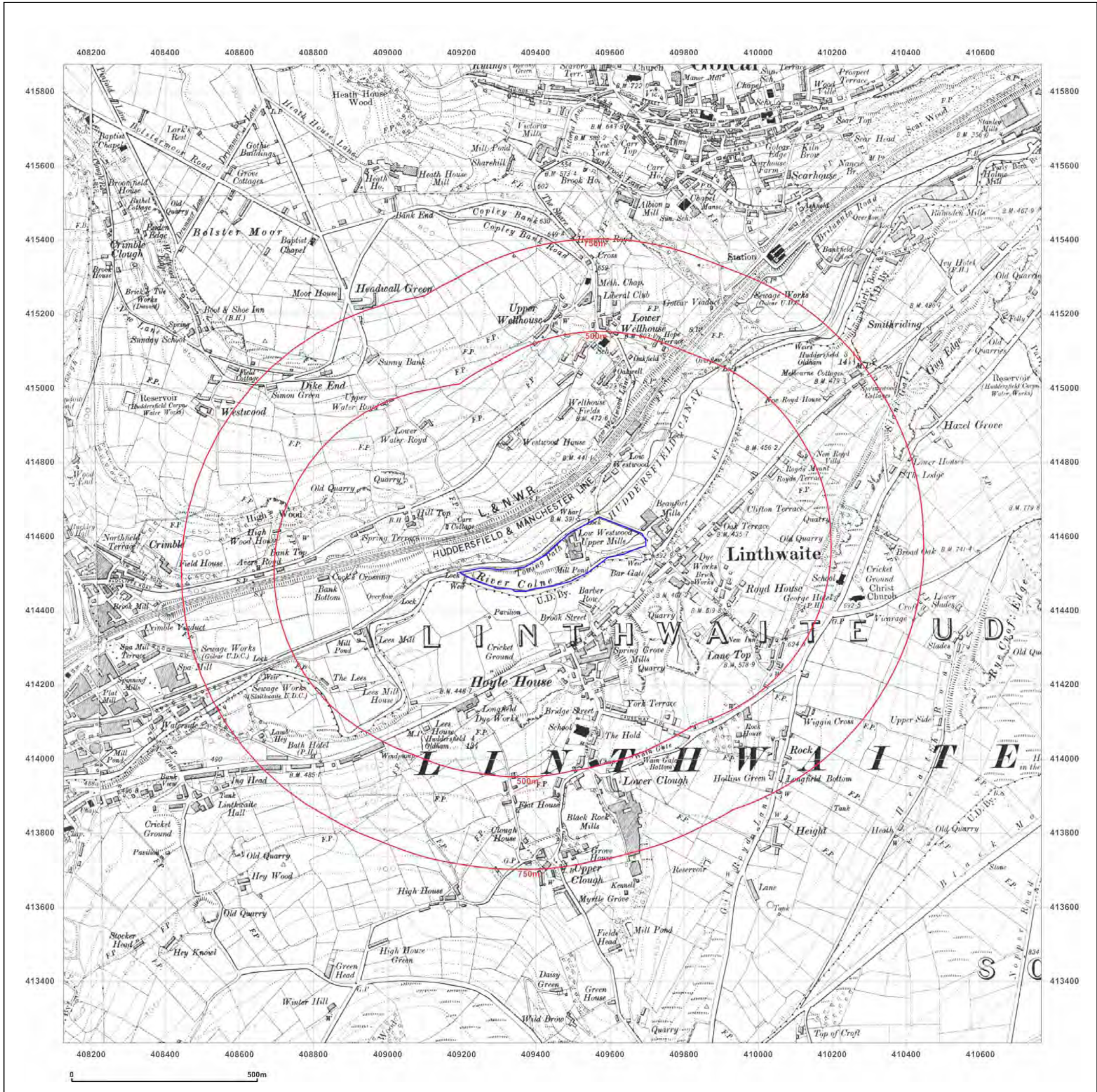


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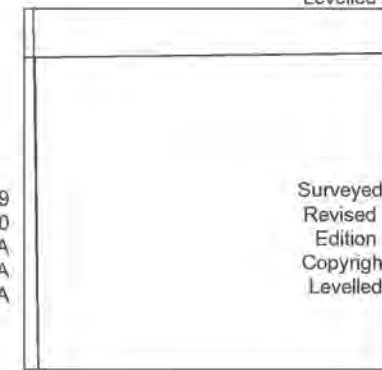
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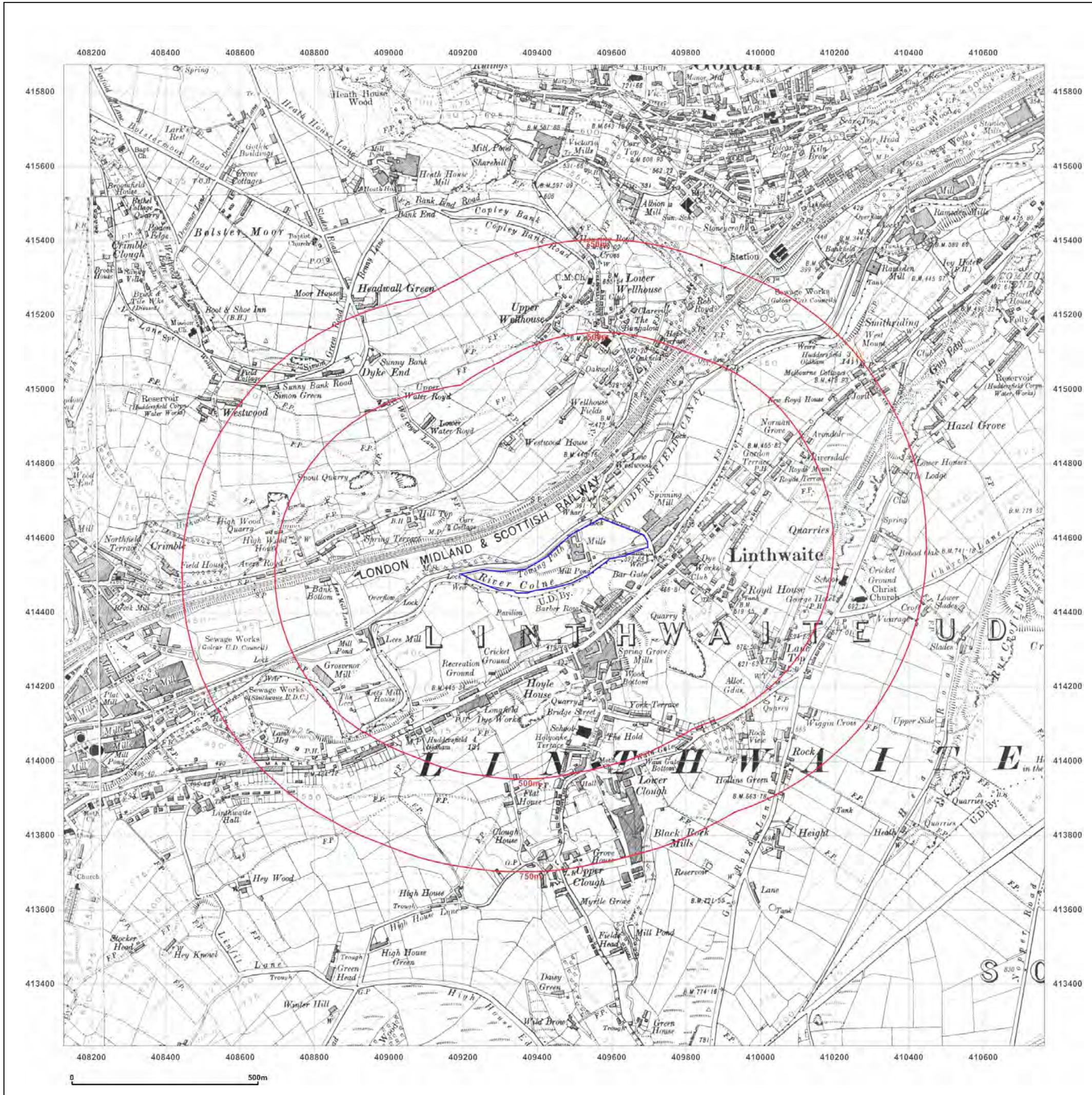


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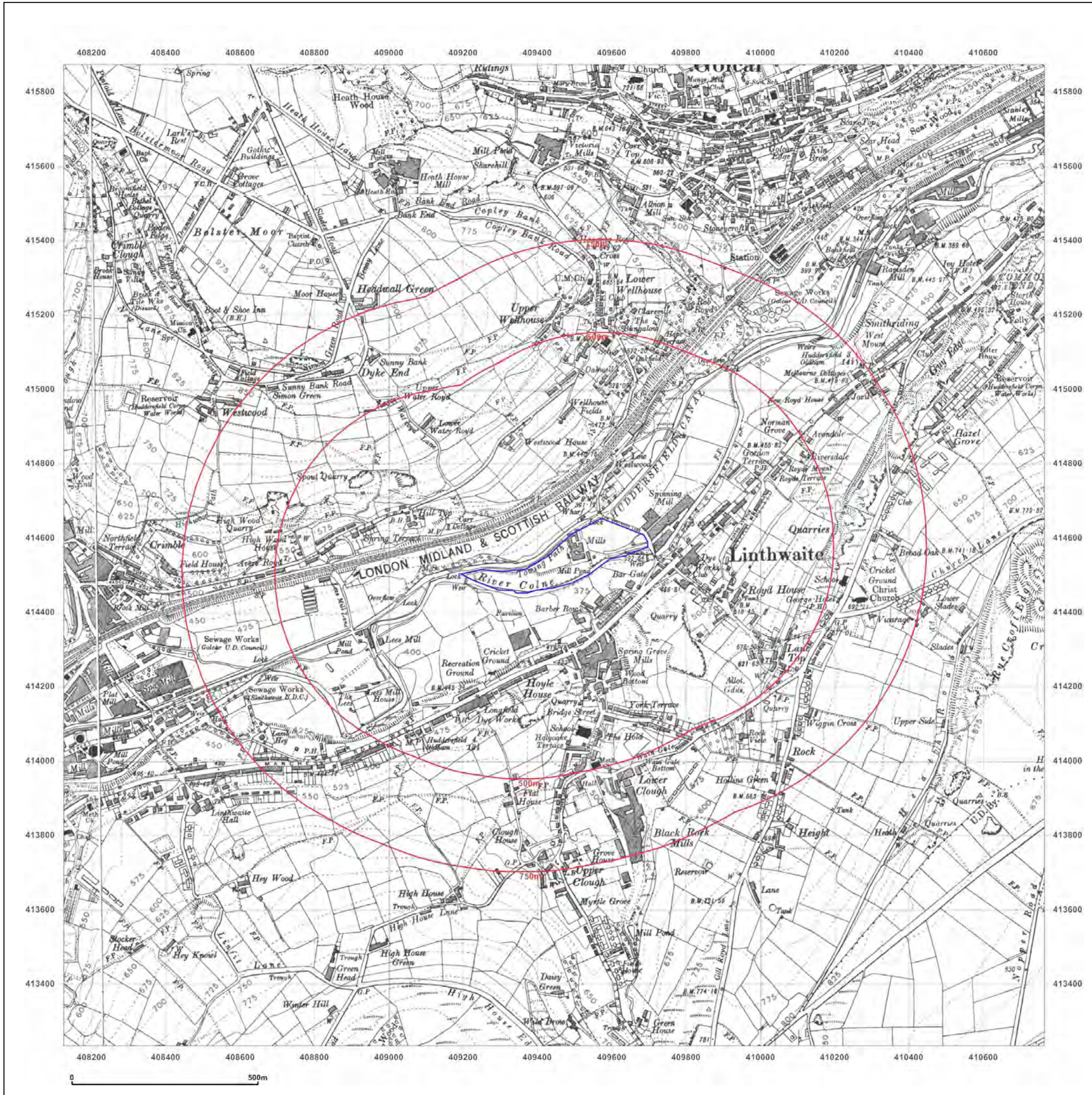


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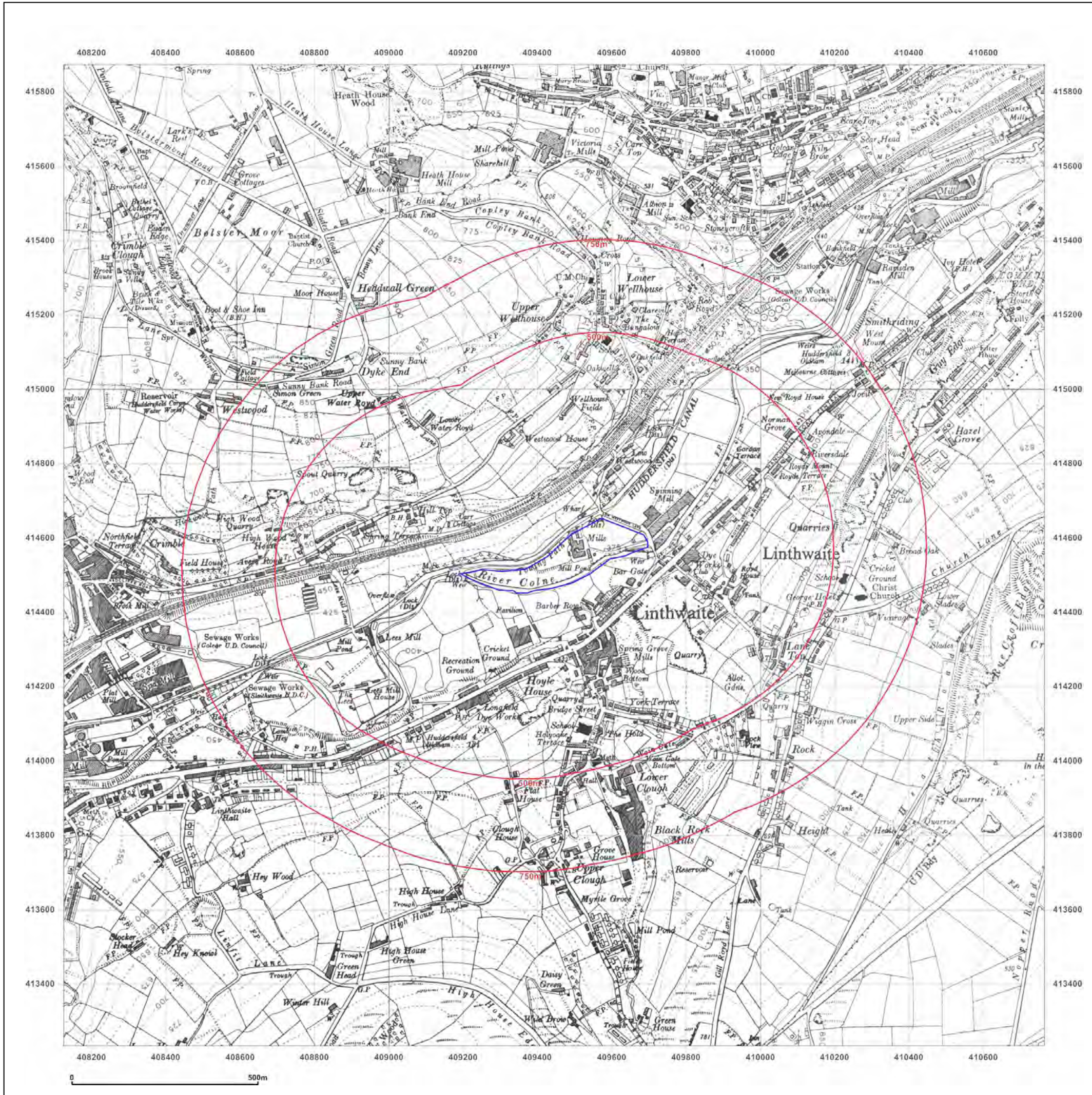


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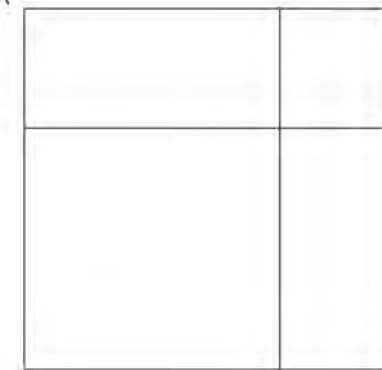
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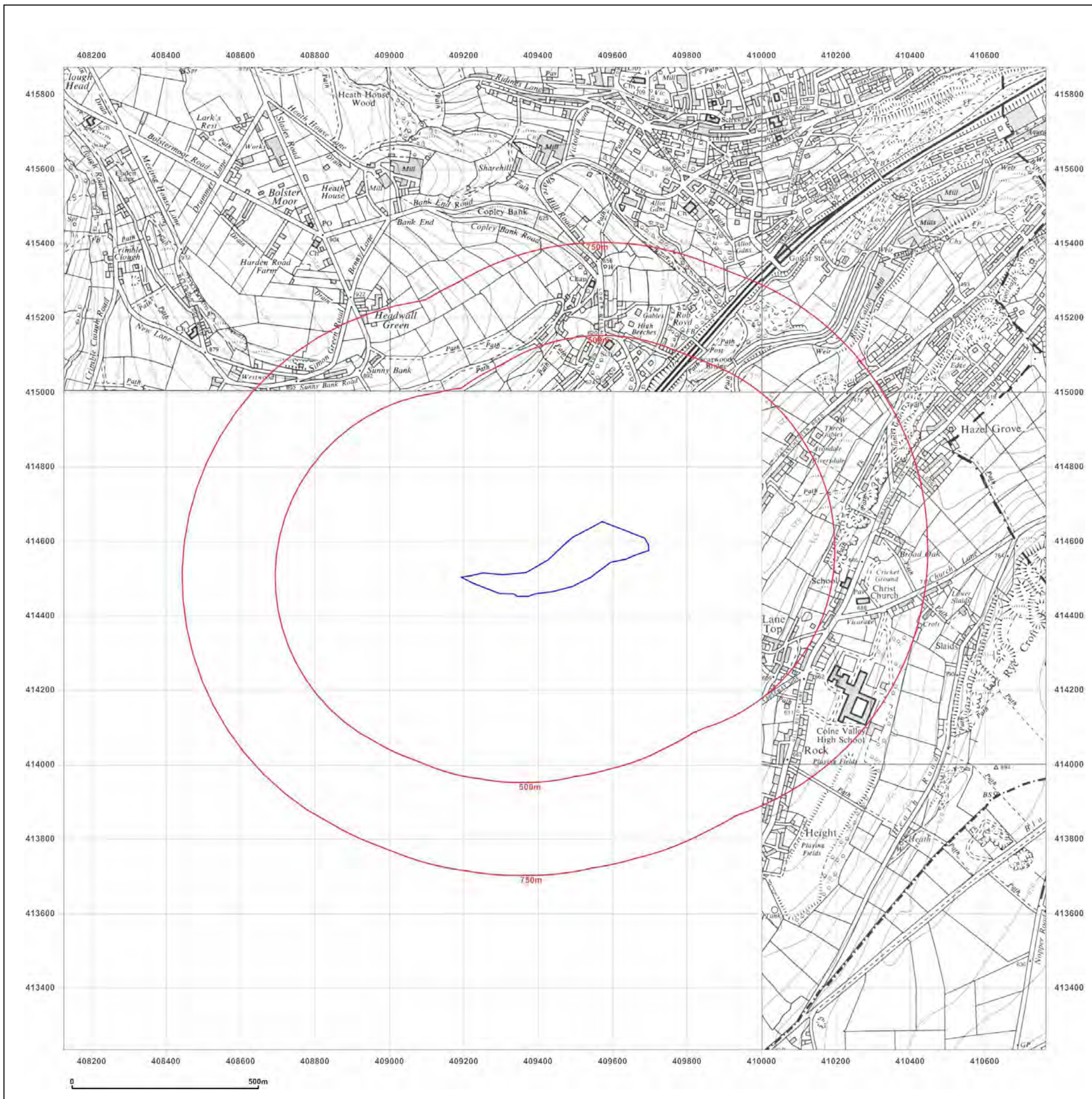


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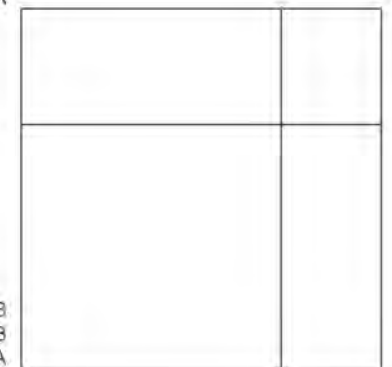
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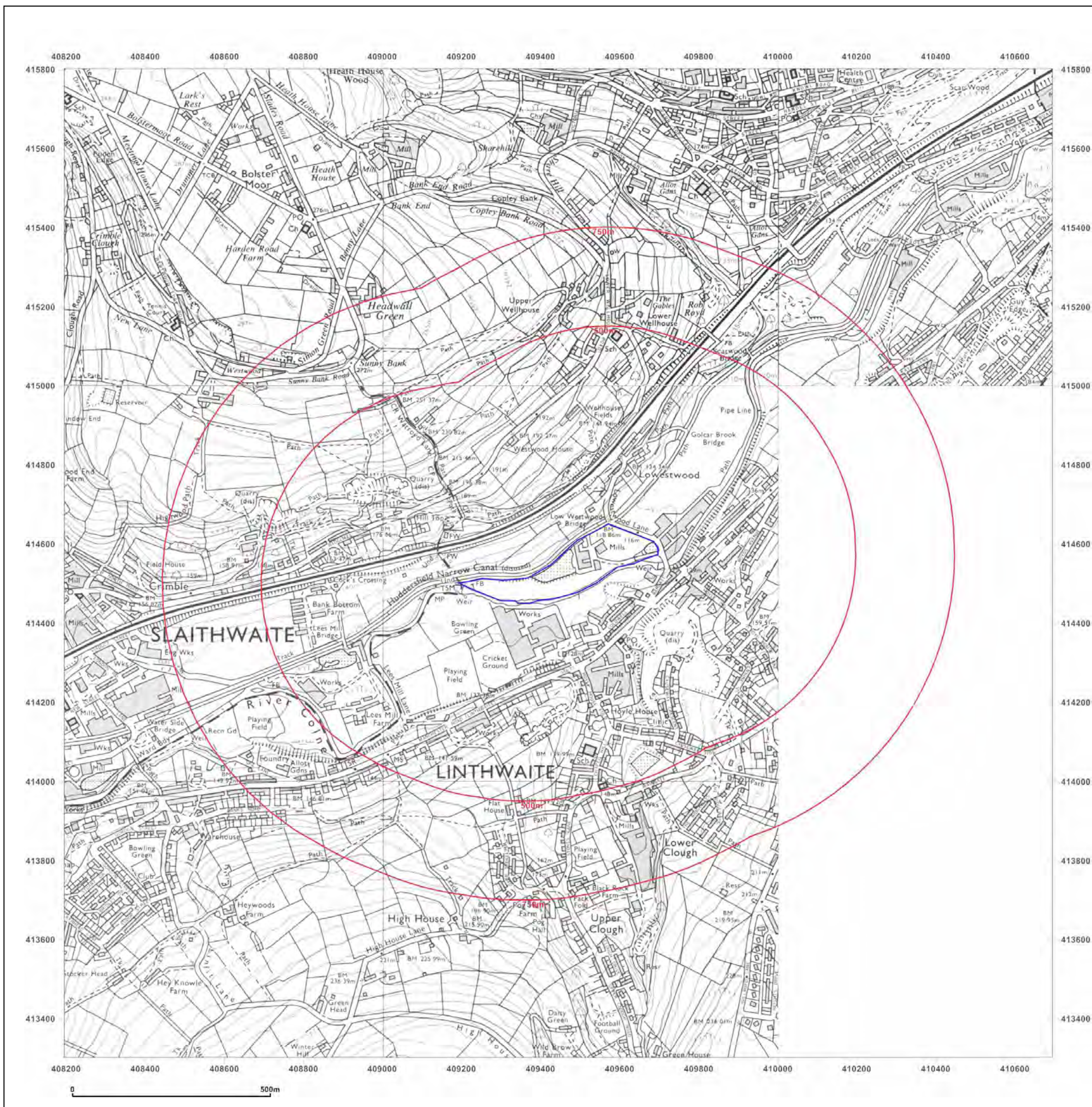


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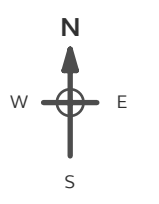
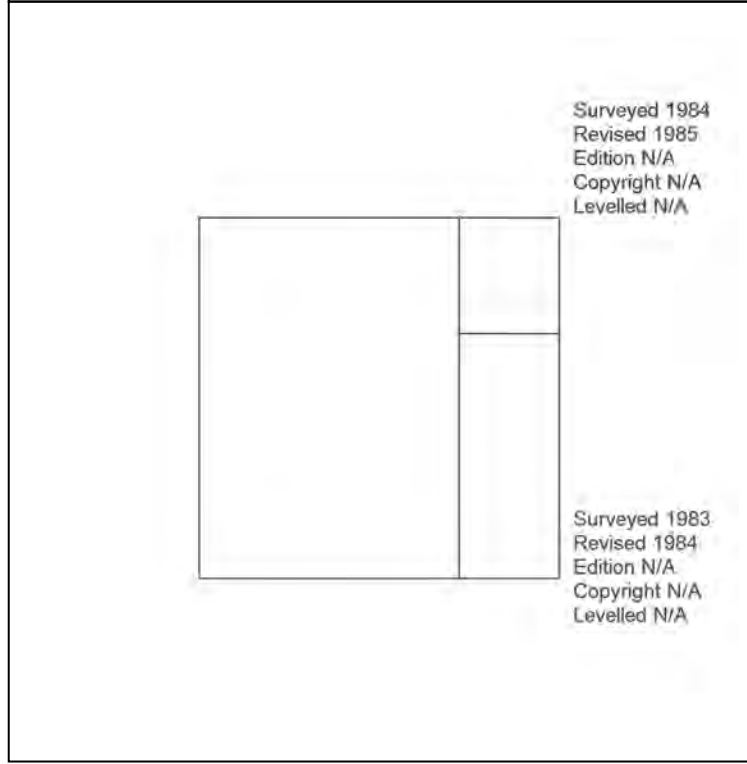


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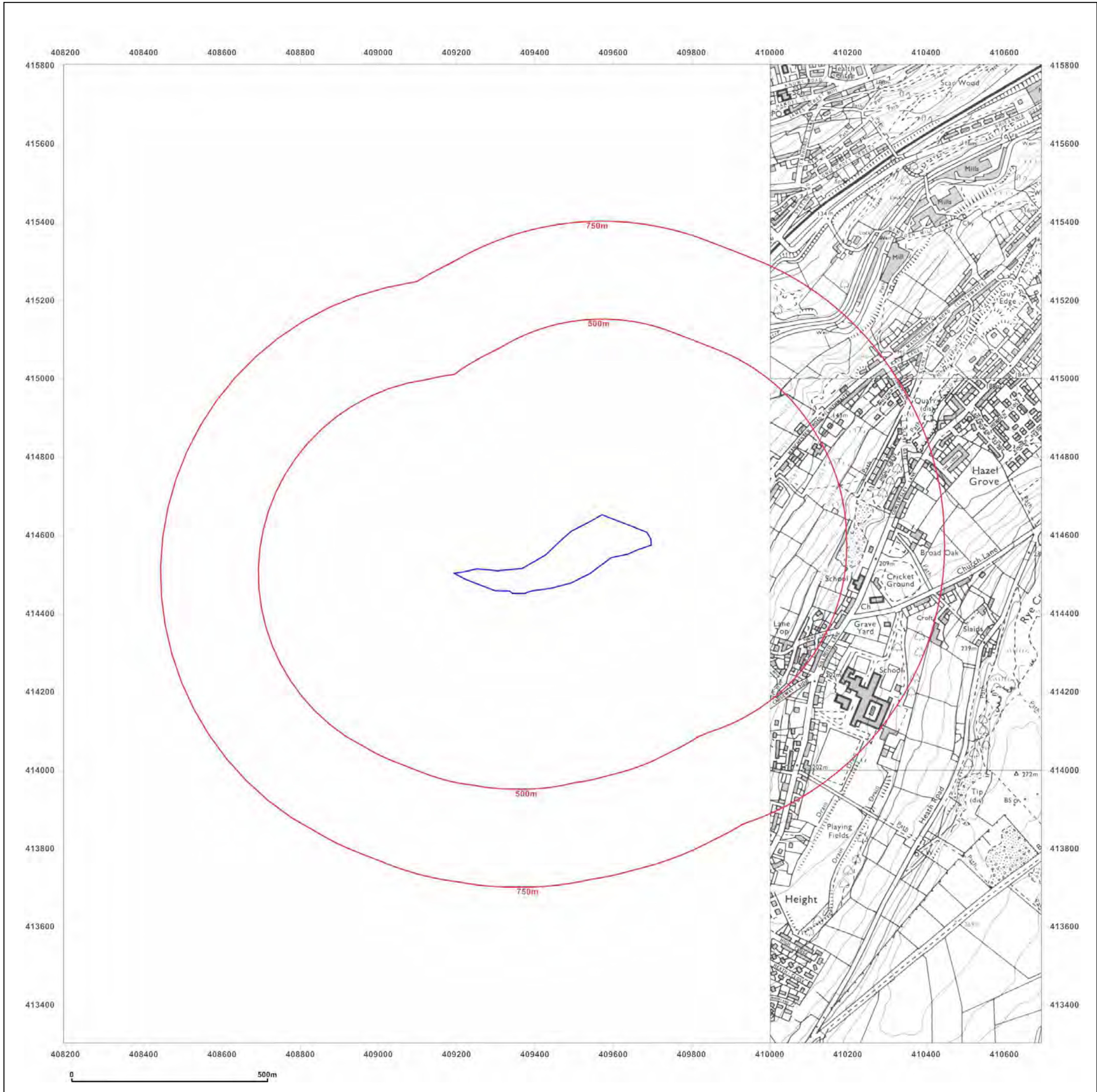




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LINTHWAITE, HUDDERSFIELD,  
HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

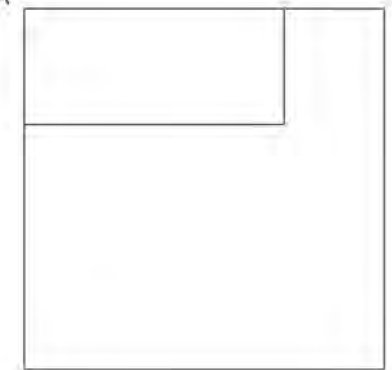
**Map date:** 1993

**Scale:** 1:10,000

**Printed at:** 1:10,000



Surveyed 1977  
Revised 1993  
Edition N/A  
Copyright N/A  
Levelled N/A

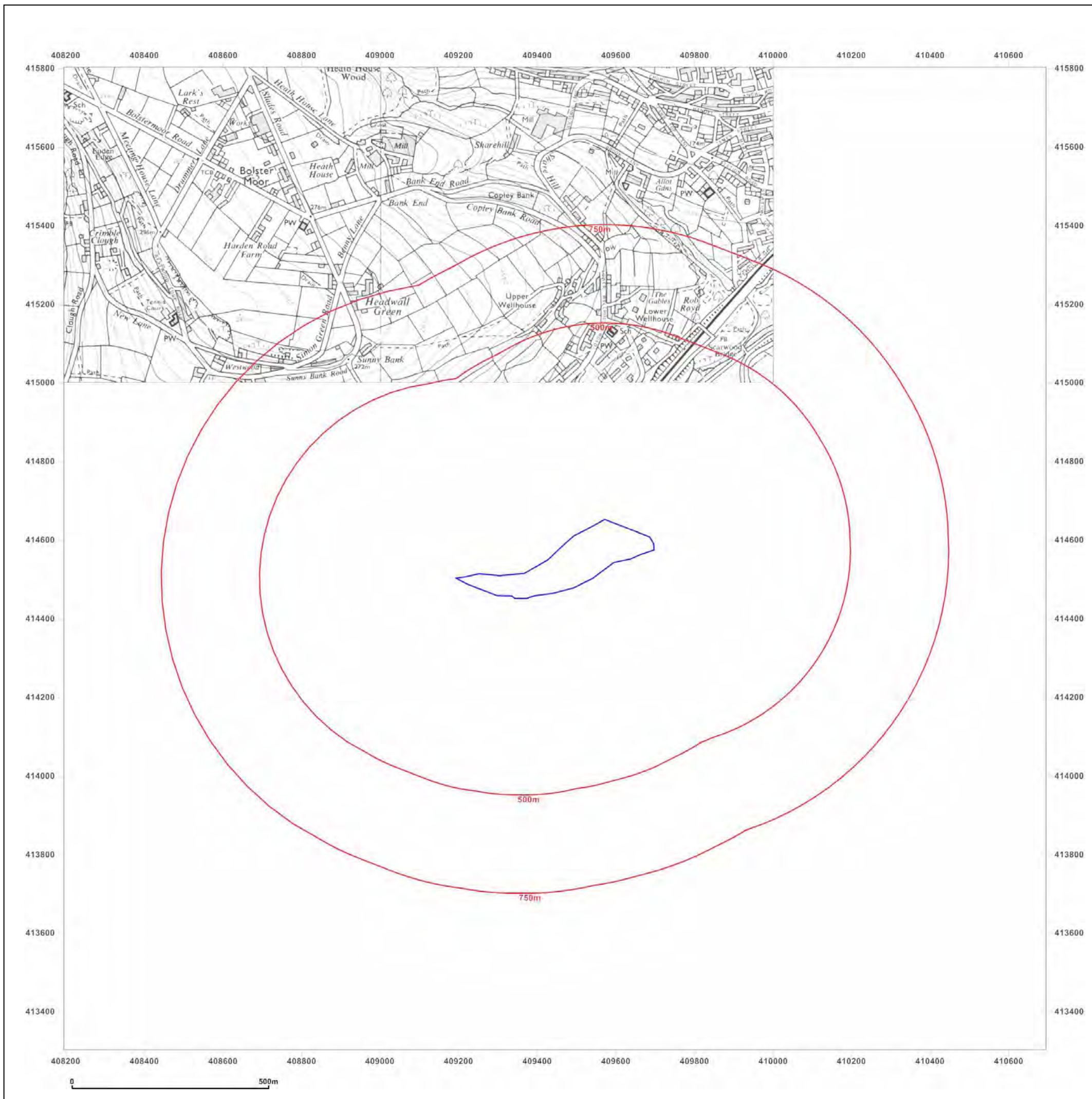


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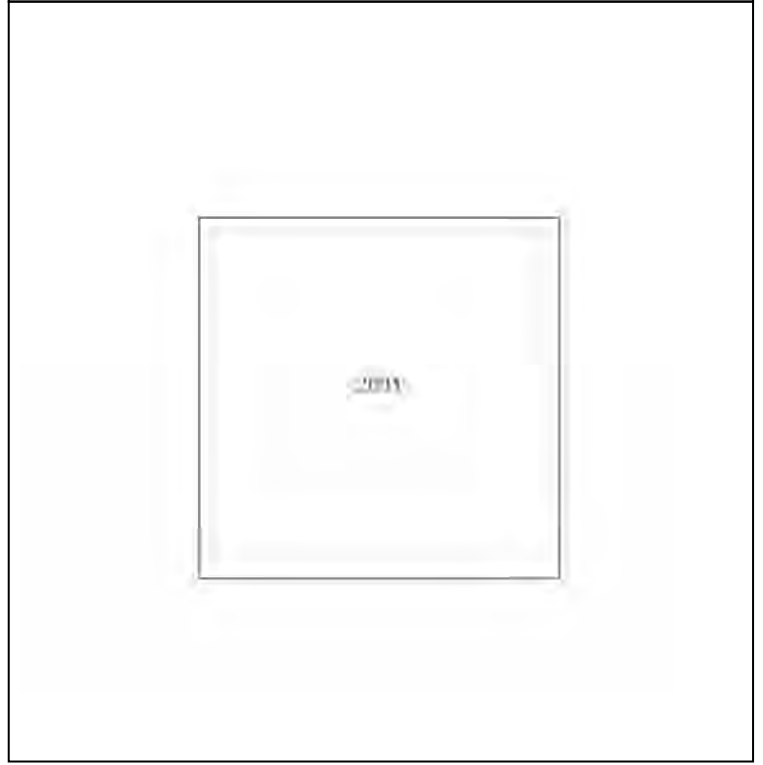
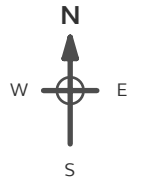
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**Site Details:**  
 WESTWOOD MILL, LOW WESTWOOD LANE, LINTHWAITE, HUDDERSFIELD, HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

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

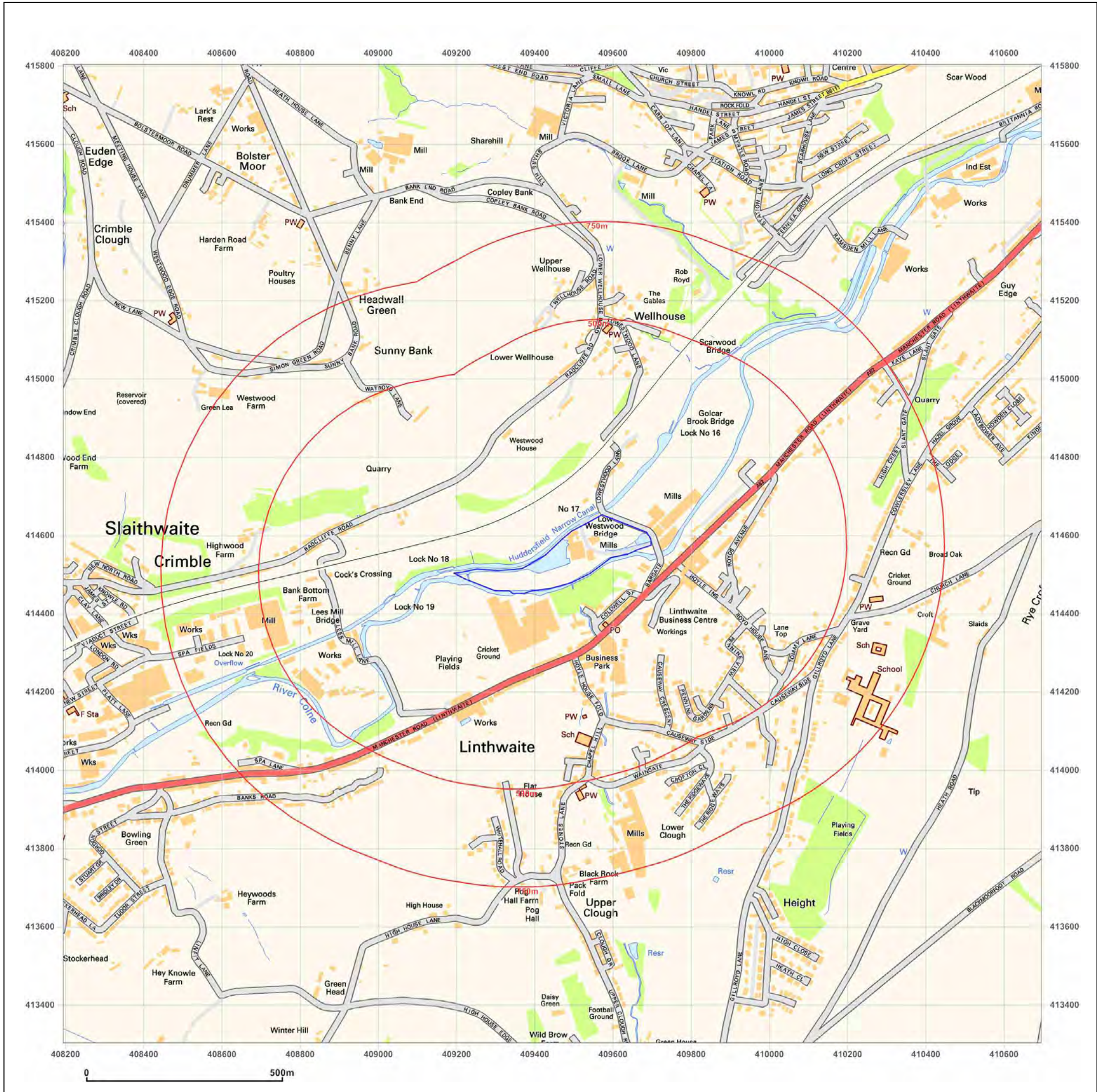


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HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

**Printed at:** 1:10,000

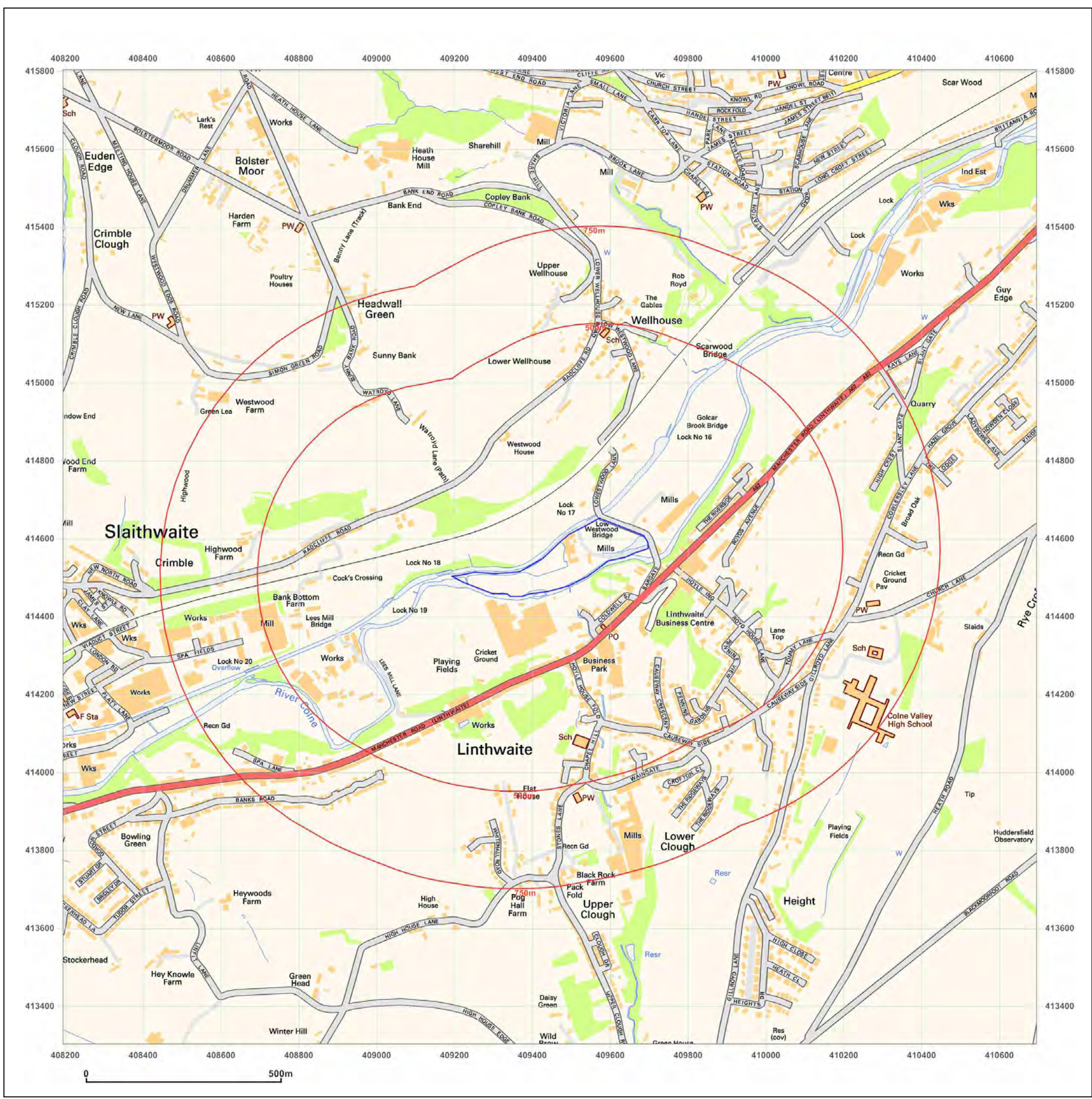


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HD7 5RR

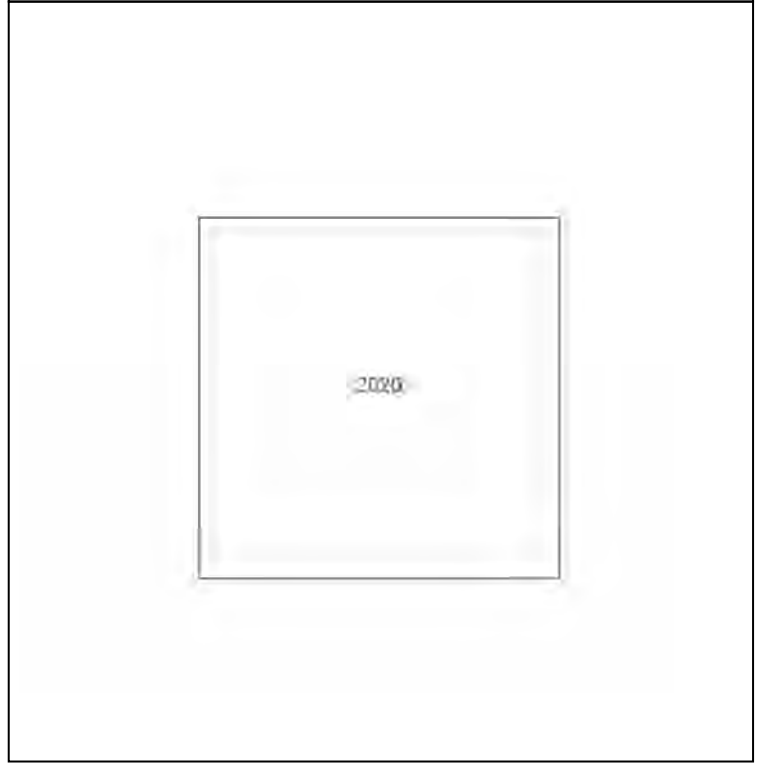
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**Map date:** 2020

**Scale:** 1:10,000

**Printed at:** 1:10,000

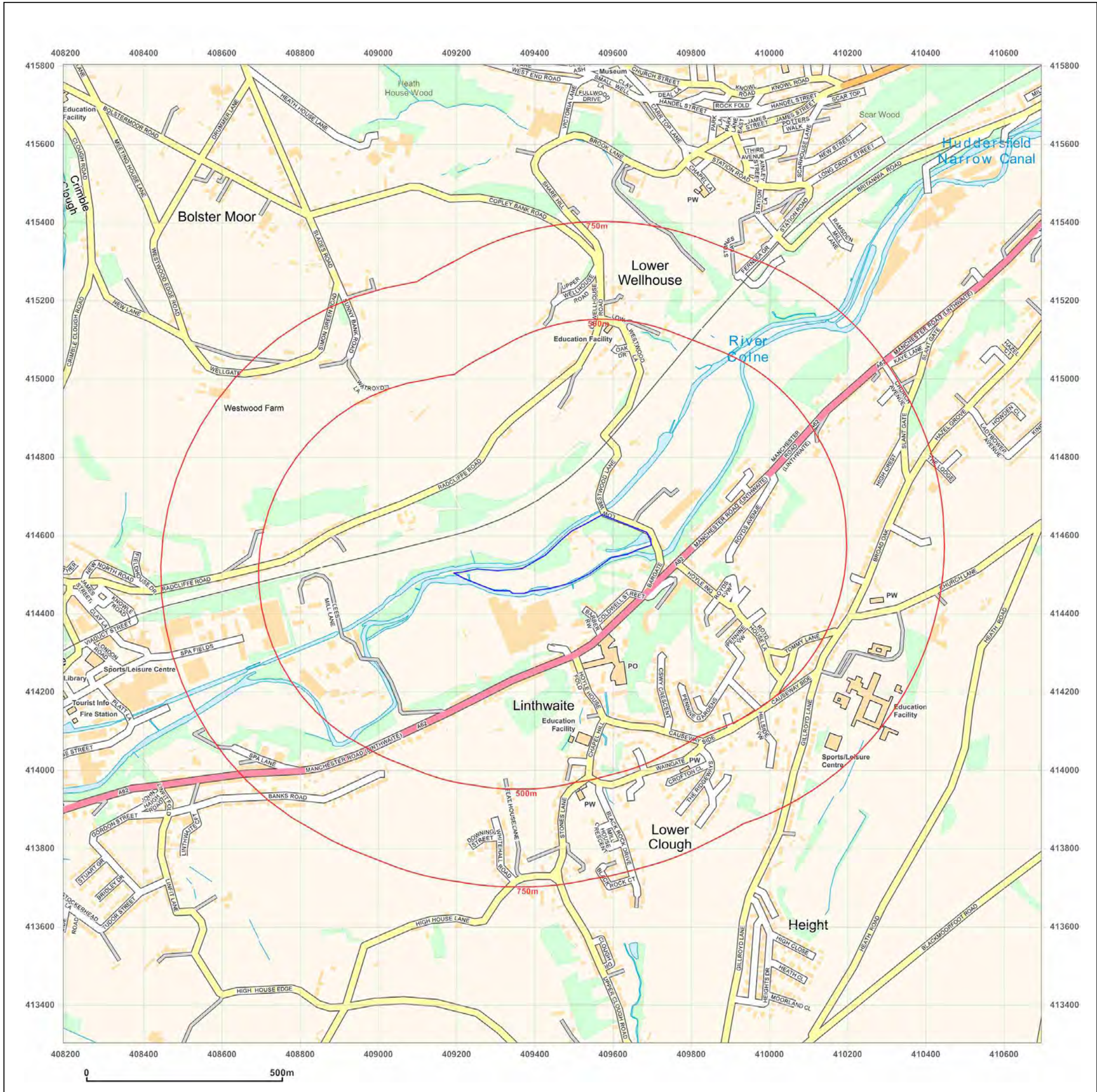


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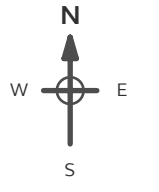
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 HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** County Series  
**Map date:** 1892  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



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

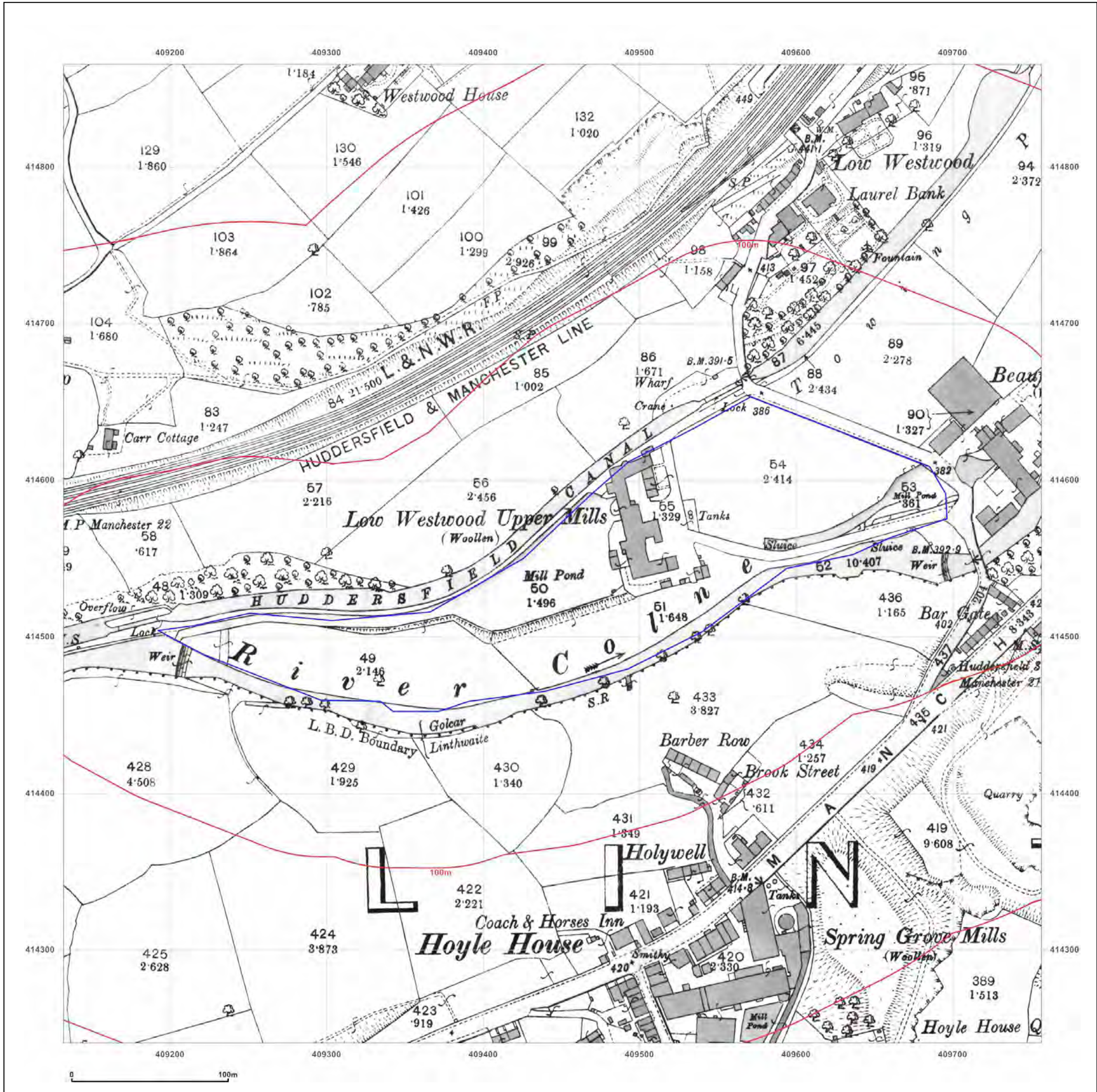
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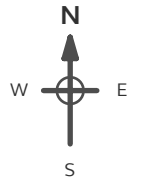
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**Site Details:**  
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**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** County Series  
**Map date:** 1906  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



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

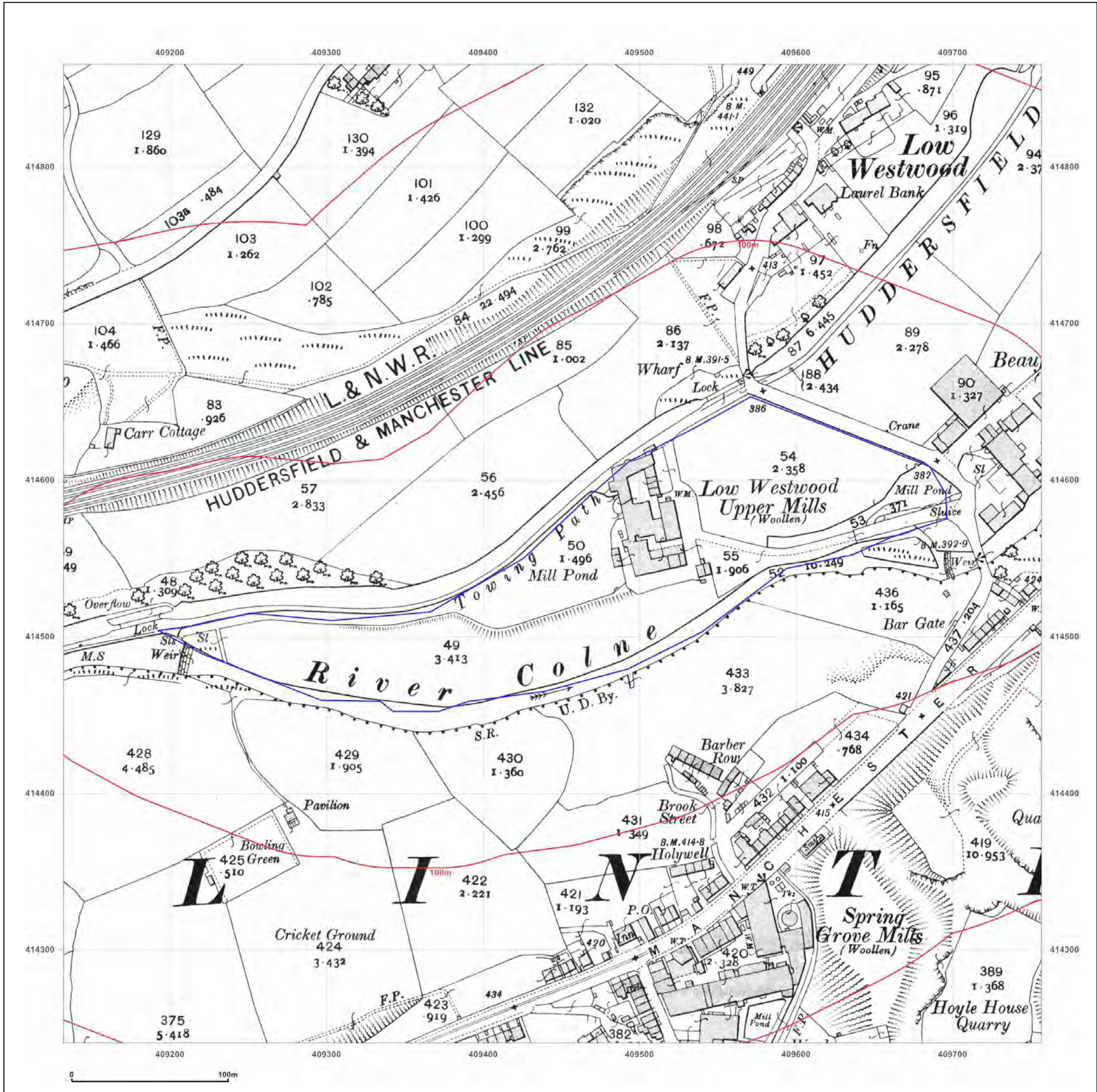
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HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** County Series

**Map date:** 1918

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1891  
Revised 1913  
Edition 1918  
Copyright N/A  
Levelled 1914

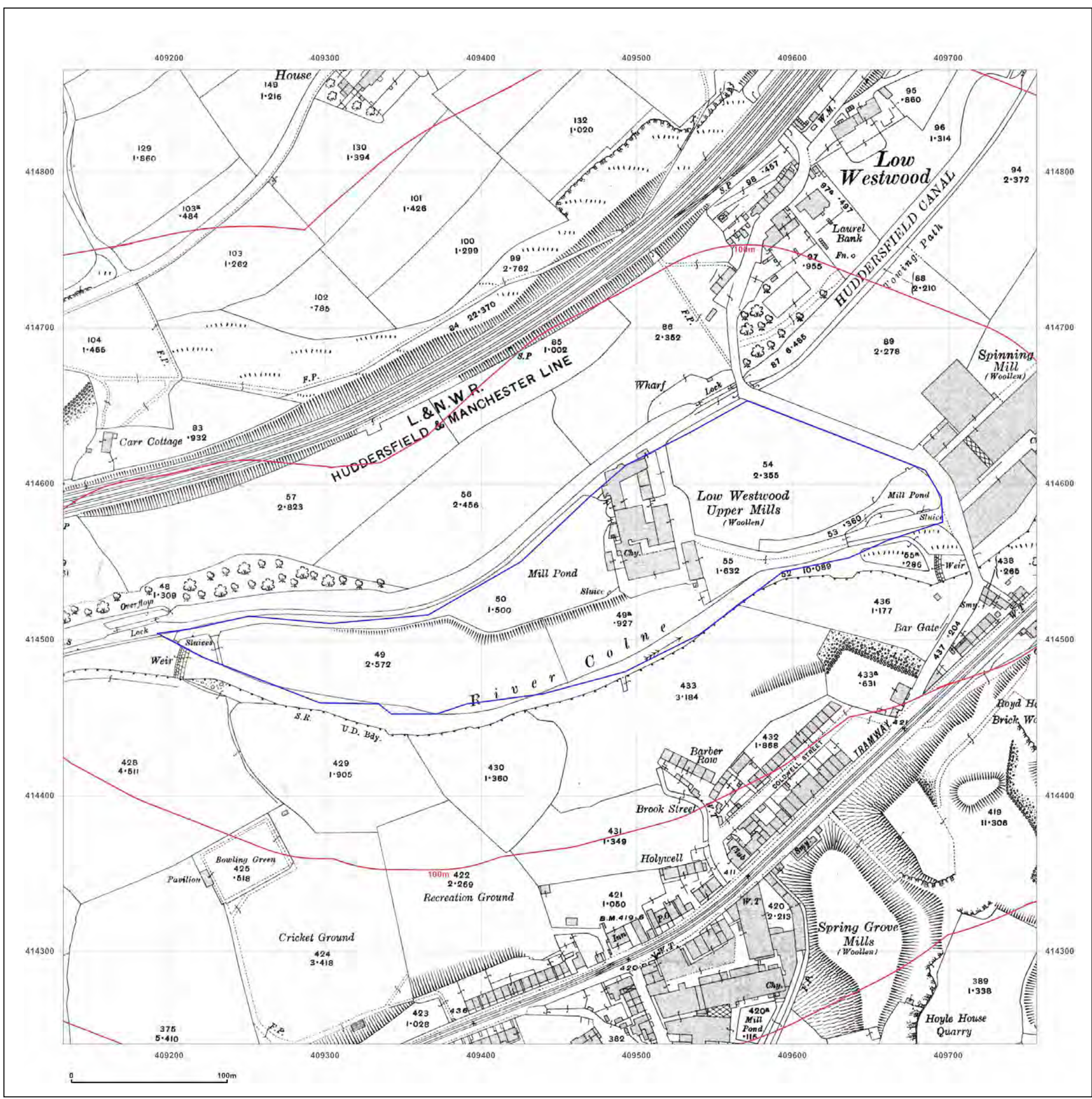


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HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1968

**Scale:** 1:2,500

**Printed at:** 1:2,500



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

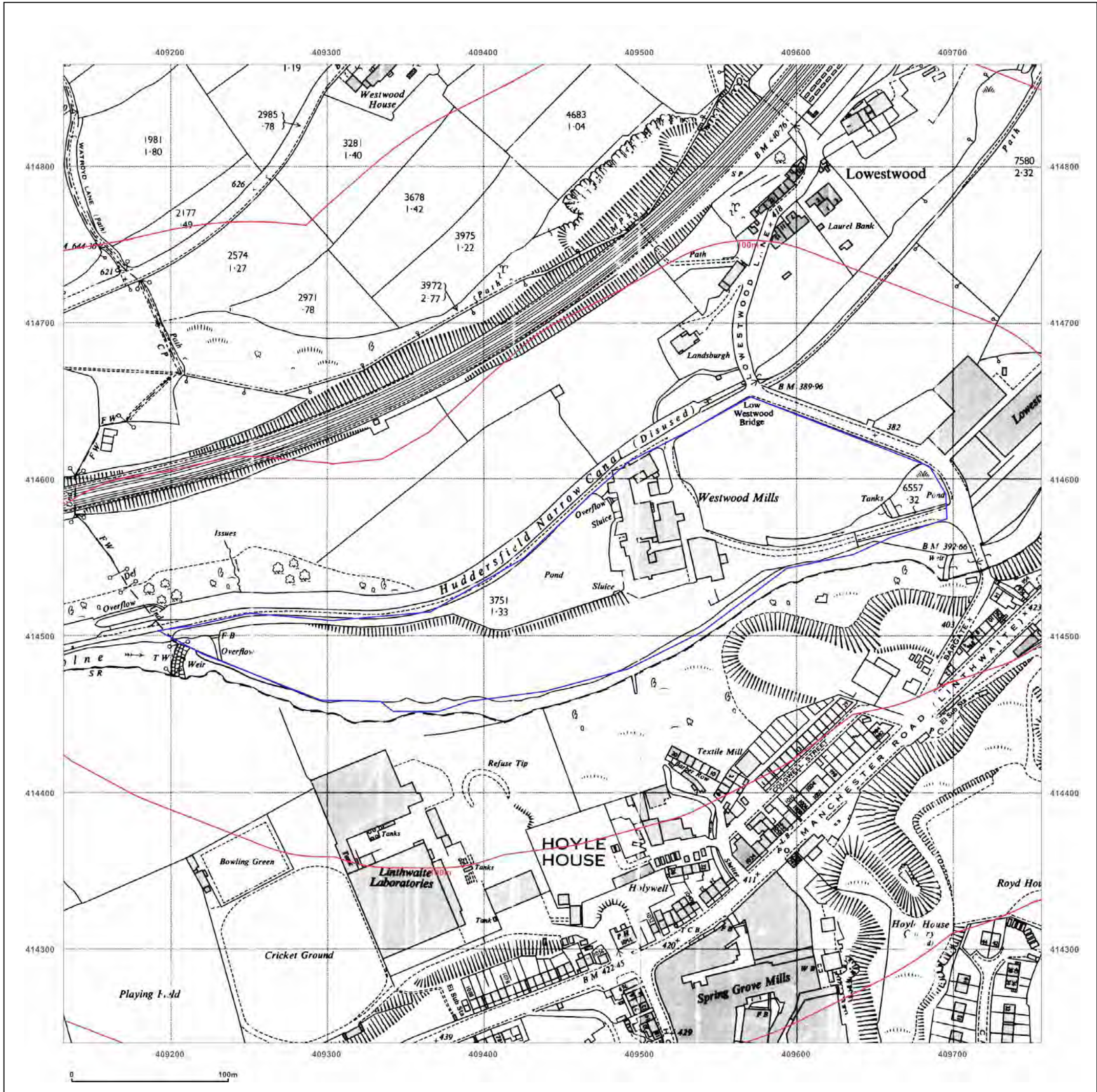


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LINTHWAITE, HUDDERSFIELD,  
HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1968

**Scale:** 1:2,500

**Printed at:** 1:2,500



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

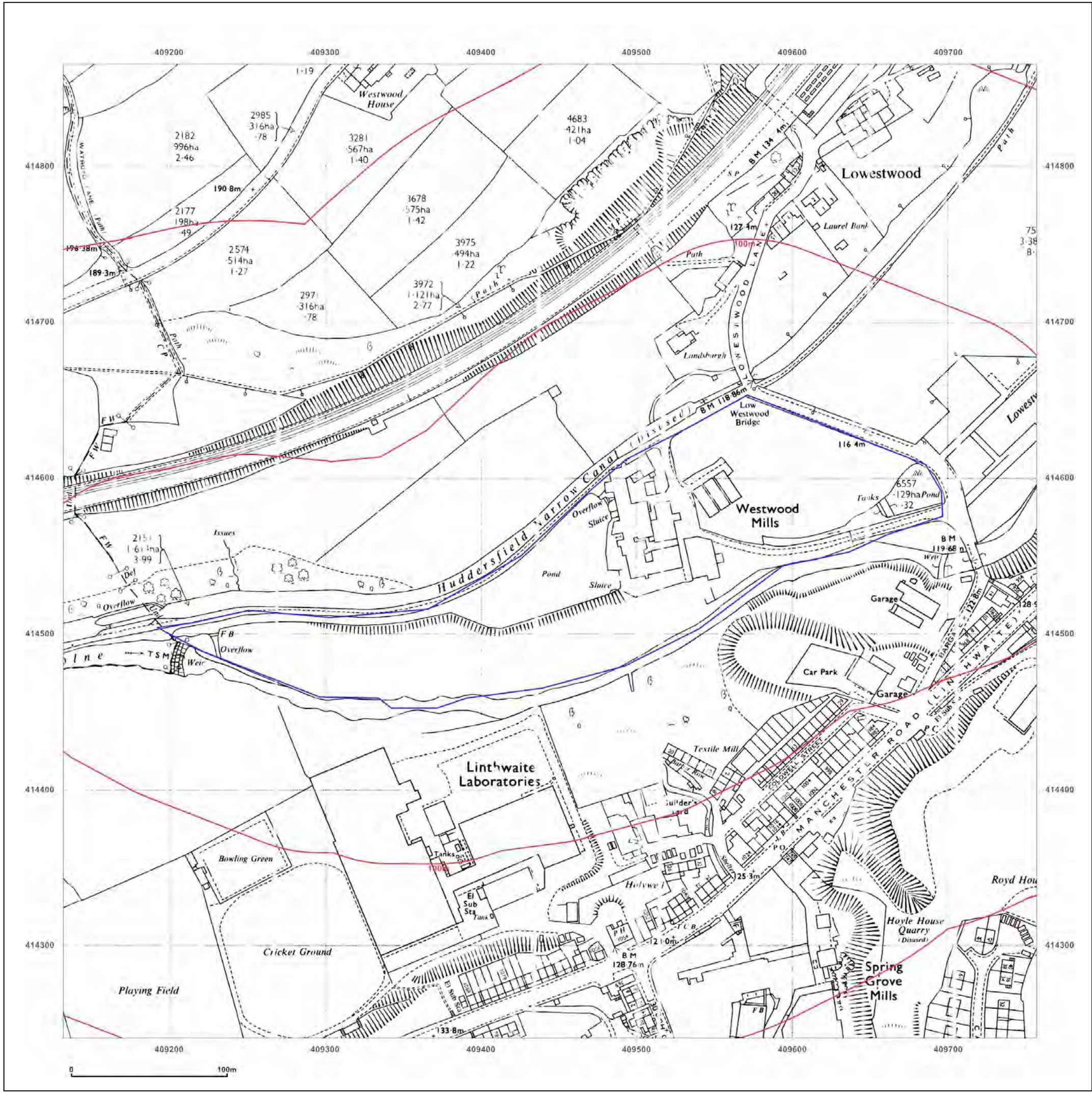


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HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1968

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1967  
Revised 1967  
Edition N/A  
Copyright 1968  
Levelled 1959

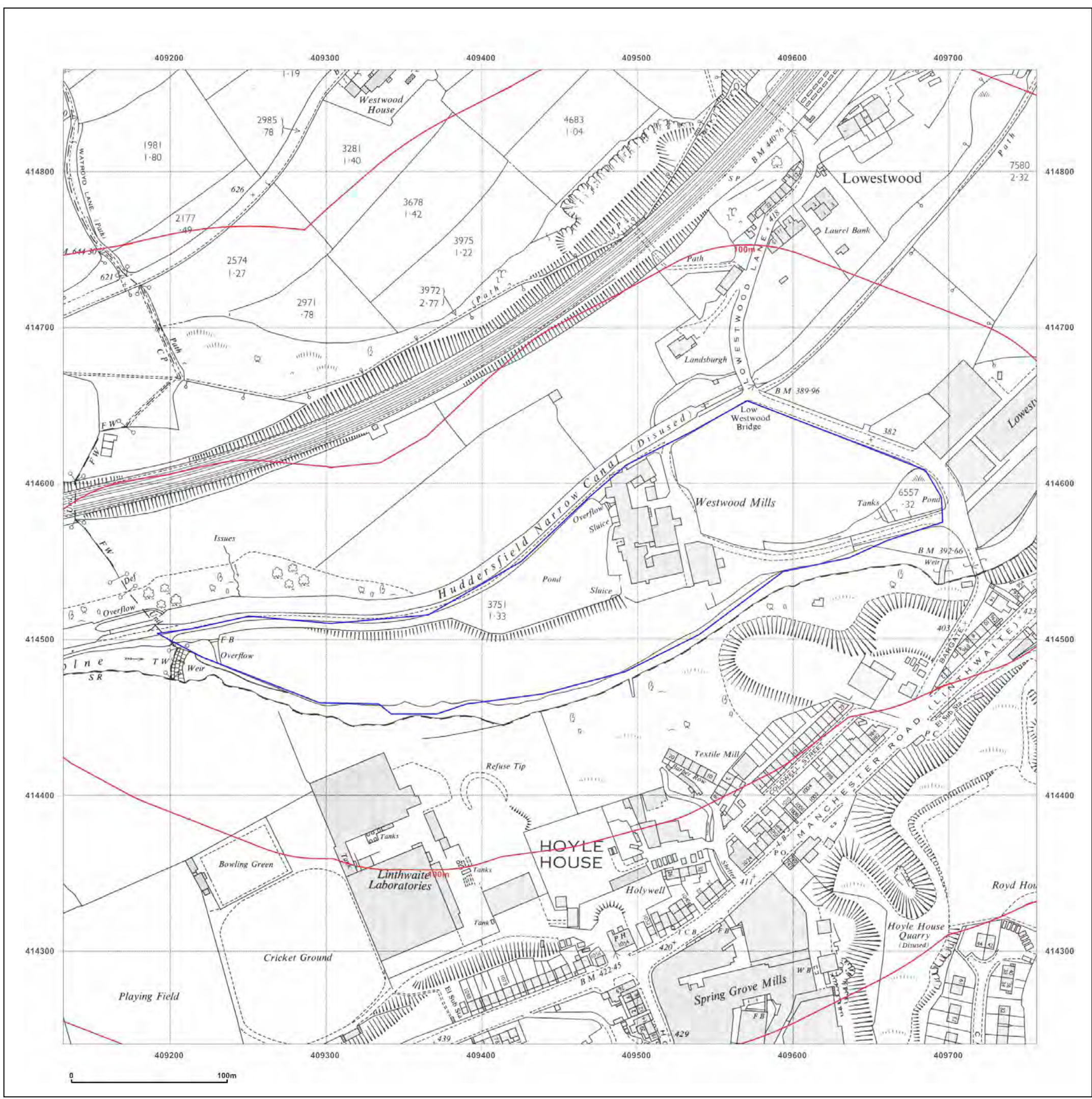


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**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1977

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1987  
Revised 1977  
Edition N/A  
Copyright 1988  
Levelled 1959

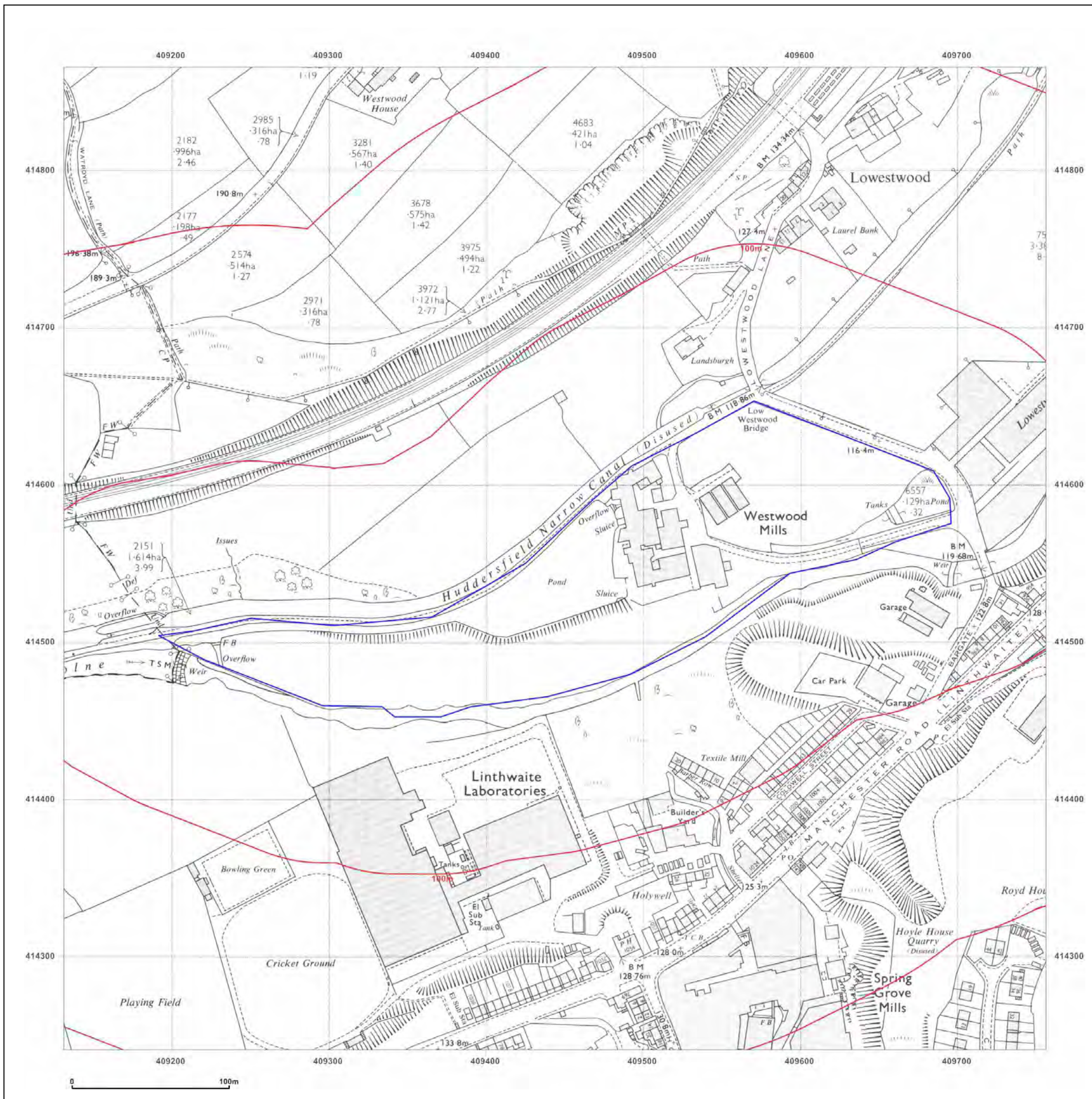


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**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1985

**Scale:** 1:2,500

**Printed at:** 1:2,500



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

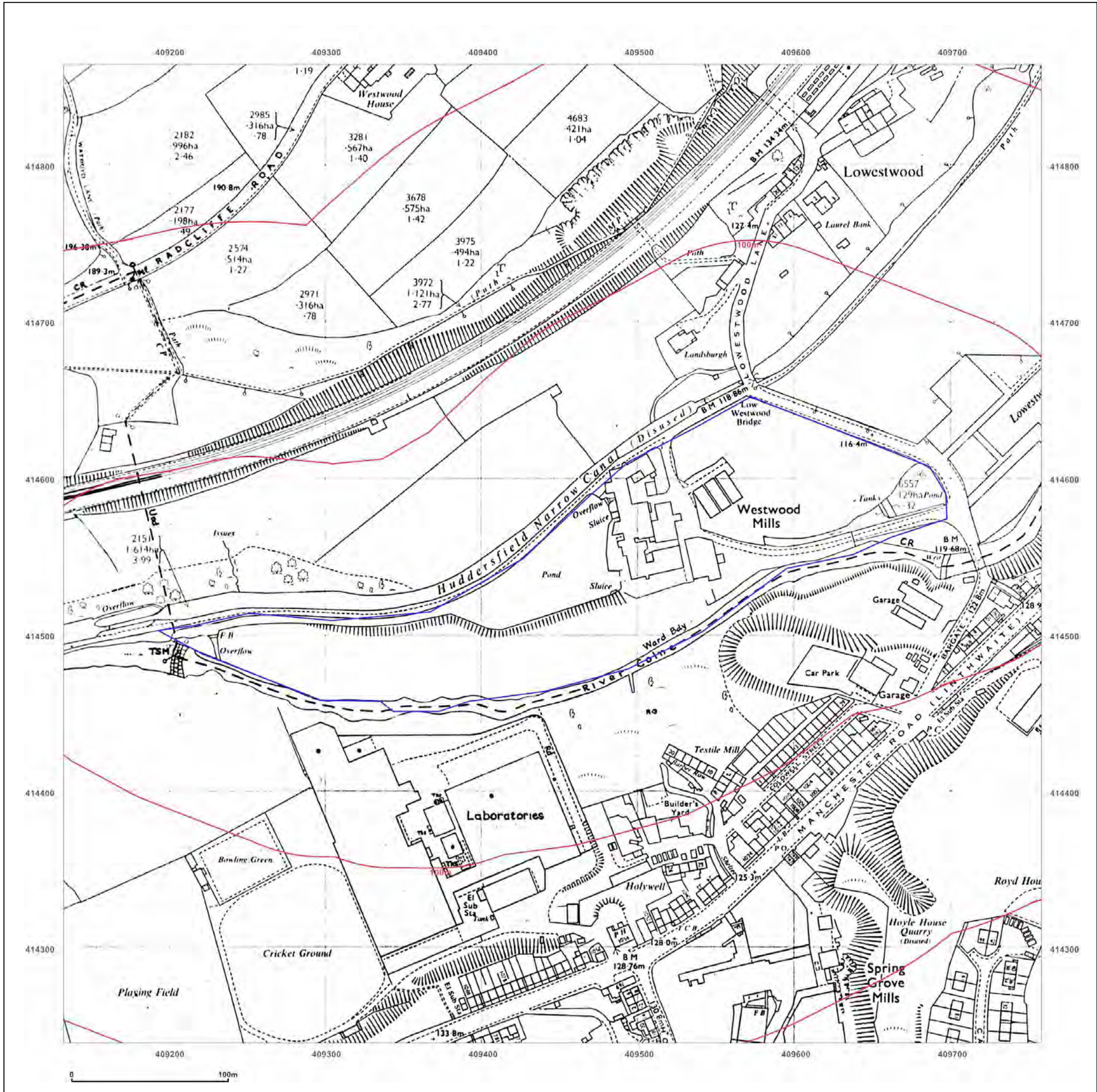


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**Site Details:**

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**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1991

**Scale:** 1:2,500

**Printed at:** 1:2,500



Surveyed 1991  
Revised 1991  
Edition N/A  
Copyright 1992  
Levelled N/A

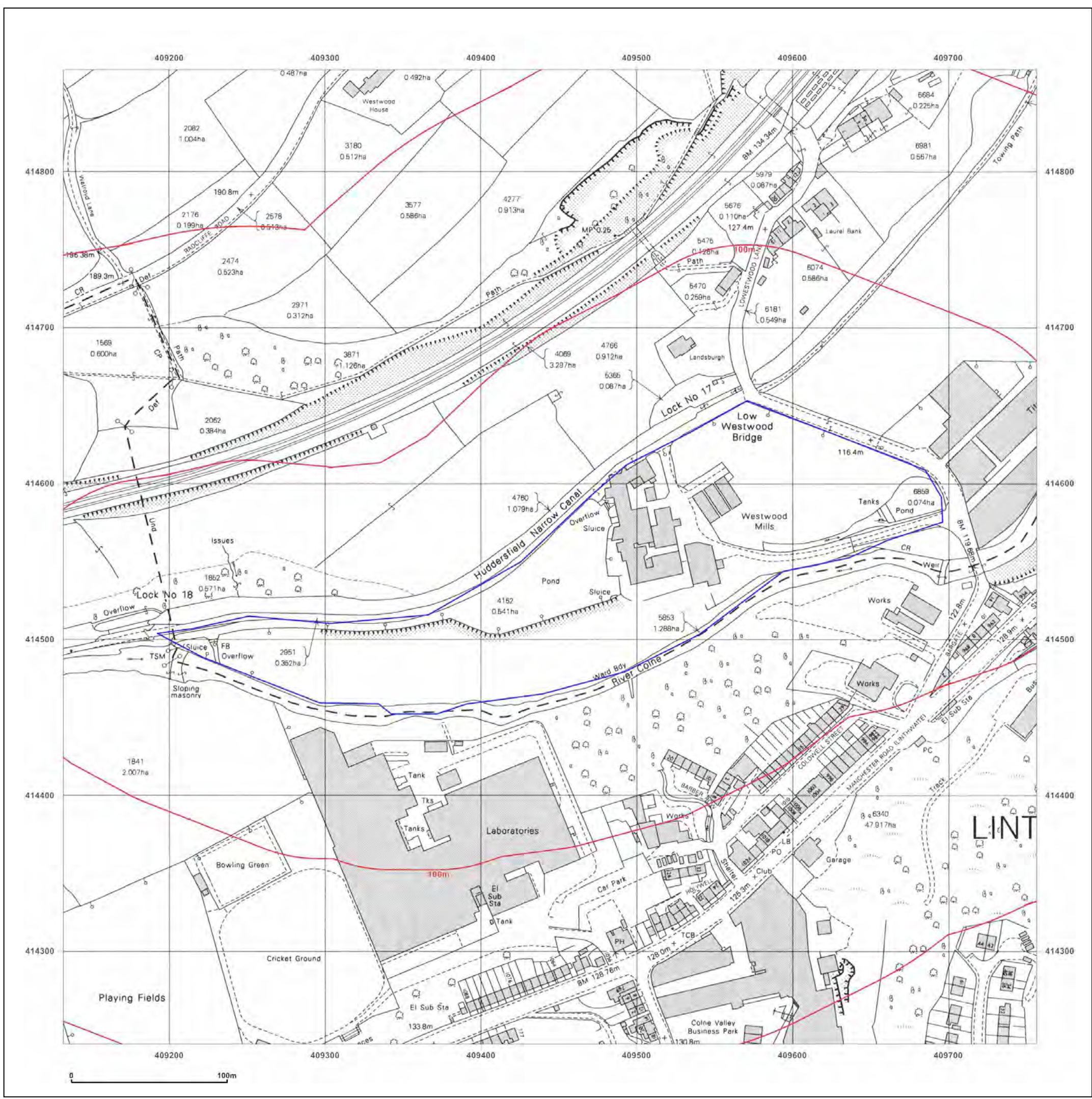


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**Site Details:**  
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**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

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



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

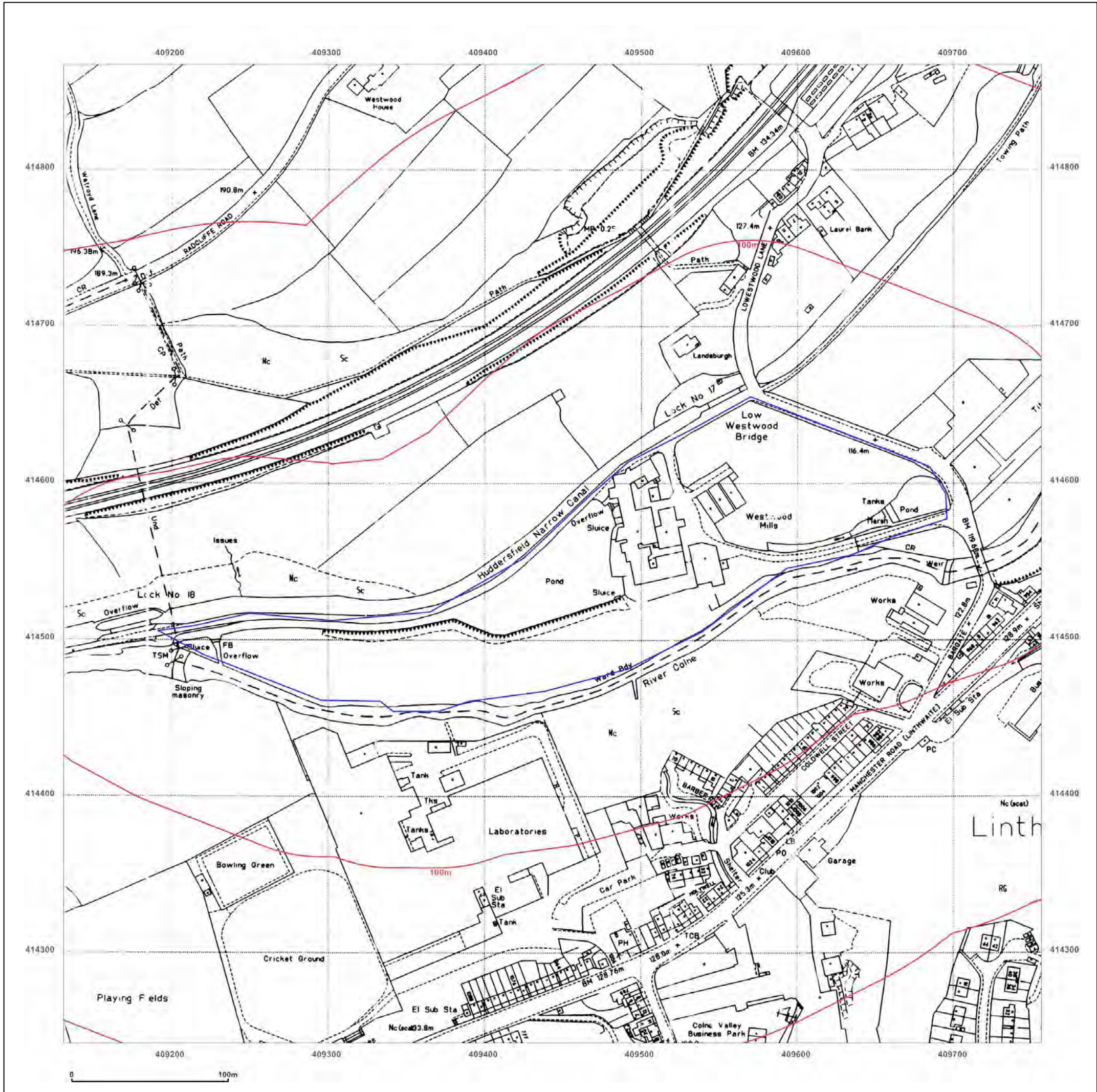
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**Site Details:**

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HD7 5RR

**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1994

**Scale:** 1:2,500

**Printed at:** 1:2,500



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

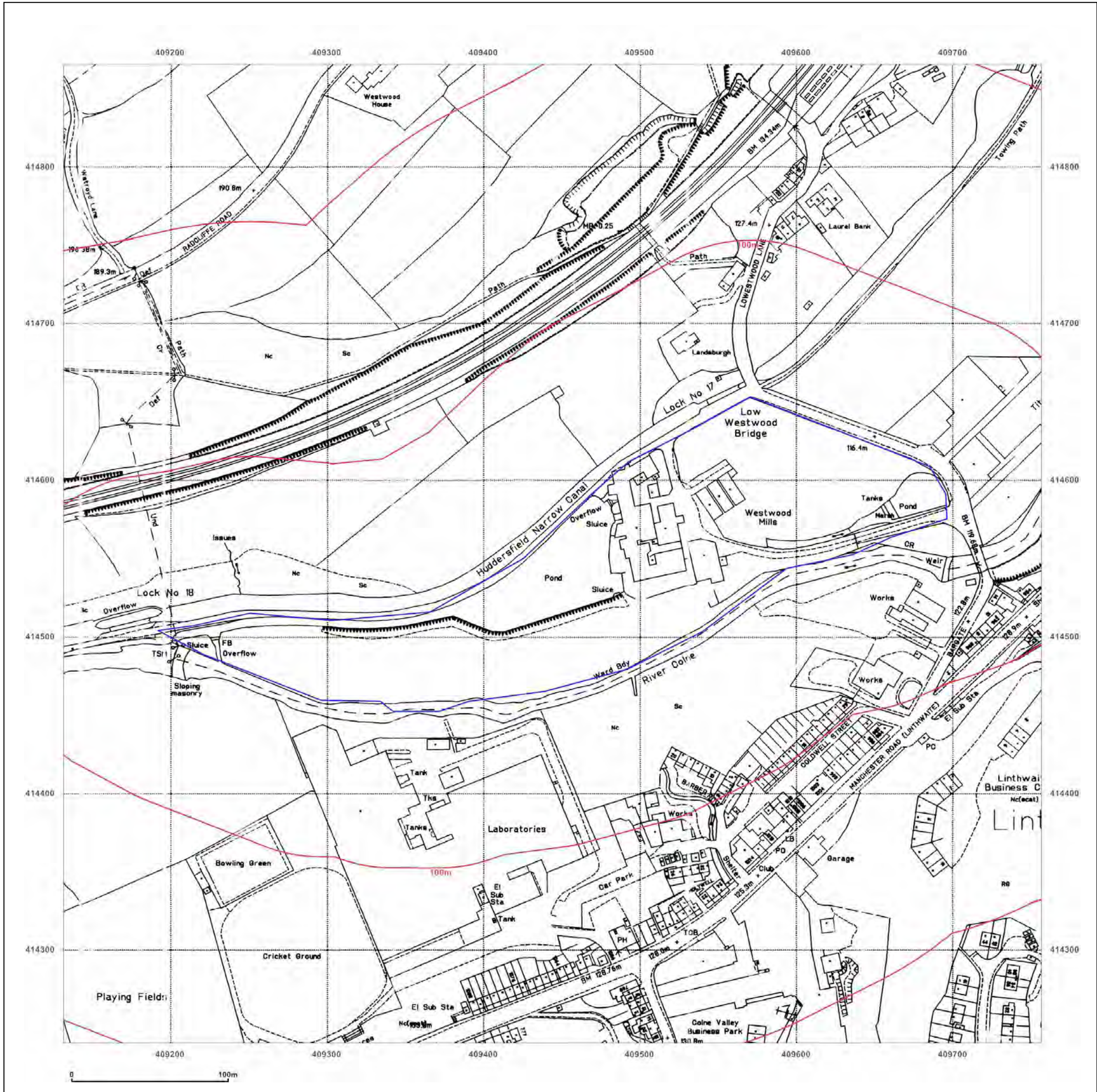


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HD7 5RR

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**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

**Map Name:** National Grid

**Map date:** 1994

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**Printed at:** 1:2,500



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

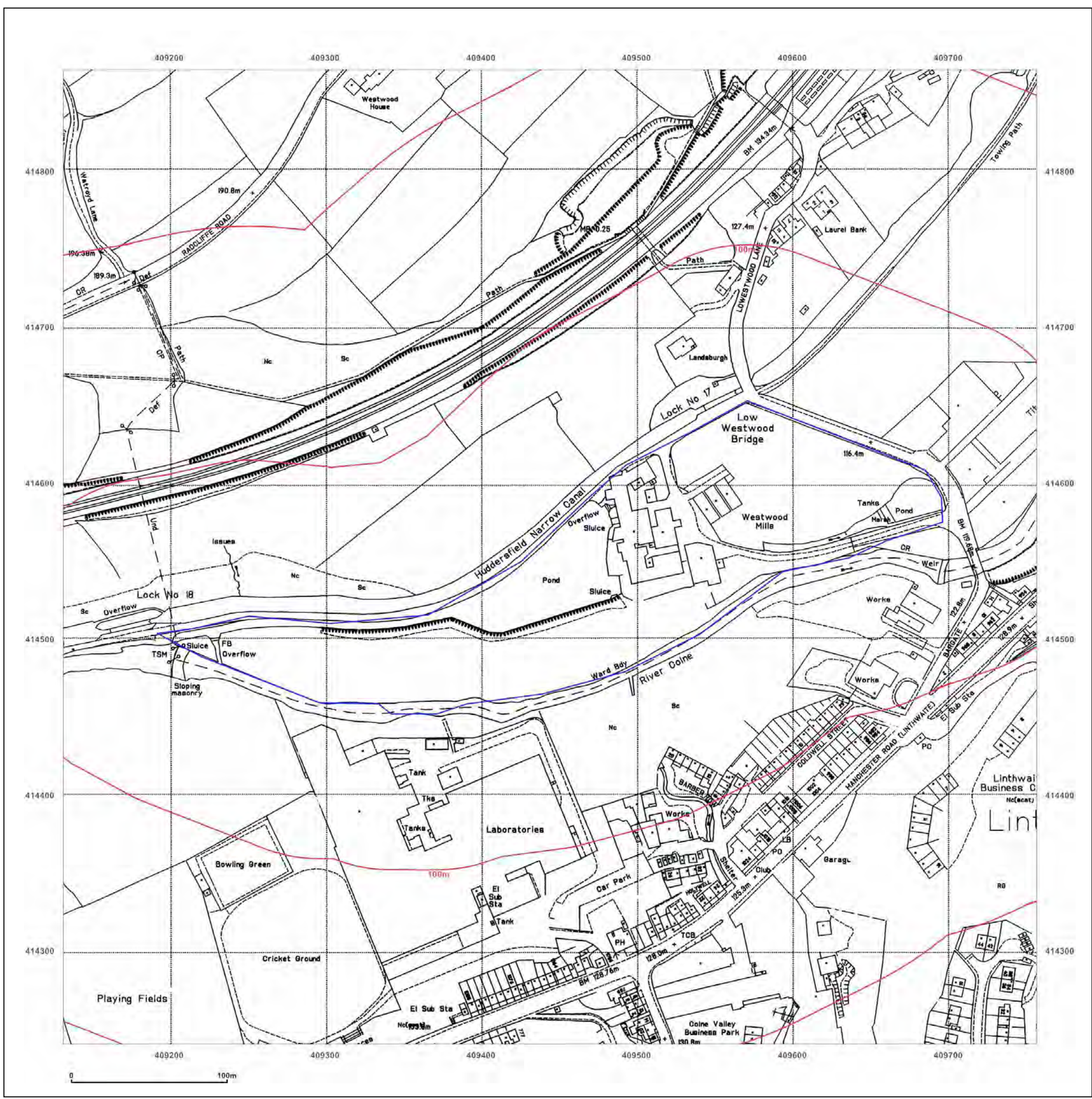


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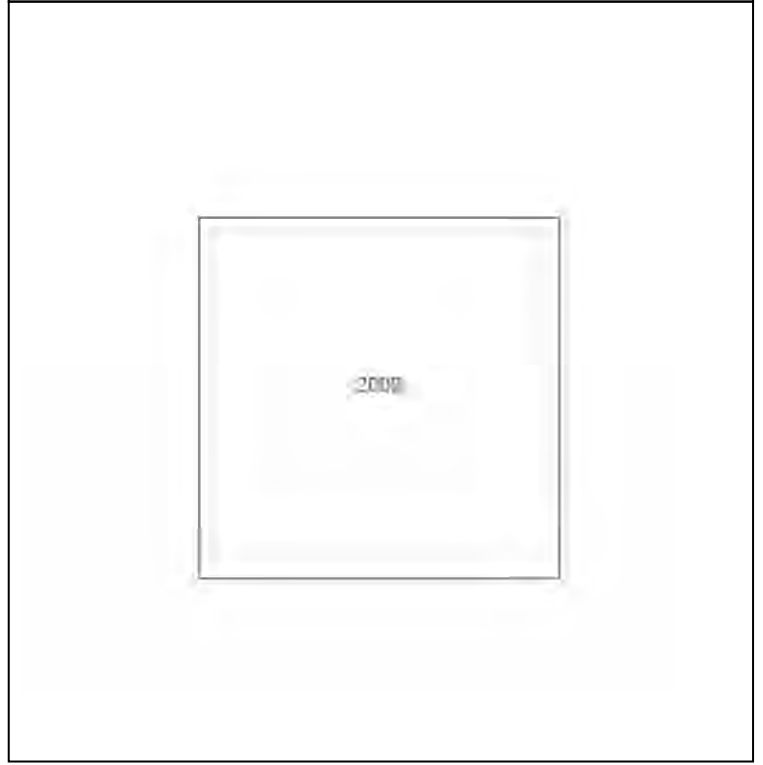
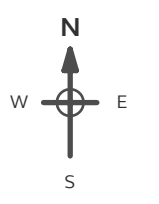
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**Site Details:**  
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**Client Ref:** MW\_RESTORATIONS\_7713  
**Report Ref:** GS-6804821  
**Grid Ref:** 409444, 414553

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



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