

## Coal Mining Risk Assessment

This assessment has been written in accordance with guidance contained in The Coal Authority document: *Risk based approach to development management, Guidance for developers, Version 4, 2017*.

The assessment aims to:

- Provide a desk-based report of information on the coal mining issues which are relevant to the application site;
- Use the available information to identify and assess the risks to the proposed development from coal mining legacy, including the cumulative impact or issues;
- Set out appropriate mitigation measures to address the coal mining legacy issues affecting the site, including any necessary remedial works and/or demonstrate how coal mining issues have influenced the proposed development;
- Demonstrate to the Local Planning Authority that the application site is, or can be made, safe and stable to meet the requirements of national planning policy with regard to development on unstable land.

## Site Location and Description:

*The site is located approximately 500m west of Littleborough Town within the Metropolitan Borough of Rochdale with a National Grid reference number 393611E 417131N. The Site is accessed via Calderbrook Road. The proposed development includes the demolition of a building on site and potential new build development in the southwestern corner of the Site. The red line boundary of the site is detailed on drawing GM11360-007 Rev P01 (Appendix A).*

## Sources of information:

- ***Coal Authority Consultants Mining Report reference 51002305070001 dated 21 August 2020 (Appendices B1 & B2). The Coal Authority Consultants Mining Report has been obtained for the wider land ownership by Rochdale MBC. The proposed redevelopment site is within the western area of the wider site as detailed on drawing GM11360-007 Rev P01 (Appendix A).***
- ***British Geological Survey (BGS) Onshore GeoIndex Borehole Records, checked on 25/08/20***
- ***BGS geological mapping: Geological Survey of England and Wales 1:50,000 geological map series, New Series. Sheet 76. Rochdale. Solid. 1/50000. 2008 (Excerpt at Appendix C)***
- ***BGS Onshore GeoIndex geological mapping: Artificial Ground, Superficial Deposits, Bedrock Geology and Linear Features***
- ***BGS Onshore GeoIndex Opencast Coal Prospecting Sites***
- ***Coal Authority Interactive Map Viewer***
- ***BGS Geological Memoirs***
- ***Groundsure Enviro + Geo Insight Report reference GS-6987705 dated 21/08/20, including historical Ordnance Survey topographical mapping (Appendices D1 to D3)***

| Identification, Assessment and Mitigation of Site-Specific Coal Mining Risk                                                                          |                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue                                                                                                                                                | Site Affected<br>(Yes/No; if Yes provide summarised reasons)                                                                                                                                                                                                                                                                  | Hazard                                                                                                                                                                                                                                                  | Consequences                                                                                                                                                                                                                                                                                                             | Recommended Mitigation Measures                                                                                                                                                                                                                                                                                                |
| 1. Is the proposed development within the zone of likely physical influence of past deep underground mining?                                         | No                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                                                                      | N/A                                                                                                                                                                                                                                                                                                                            |
| 2. Is the proposed development within the zone of likely physical influence of underground coal workings at shallow depth (depths of less than 30m)? | No                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                                                                      | N/A                                                                                                                                                                                                                                                                                                                            |
| 3. Are there any spine roadways at shallow depth either within, or within 10 metres of the site boundary?                                            | No                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                                                                      | N/A                                                                                                                                                                                                                                                                                                                            |
| 4. Are there any recorded coal mine entries either within, or within 100m of the site boundary?                                                      | No                                                                                                                                                                                                                                                                                                                            | N/A                                                                                                                                                                                                                                                     | N/A                                                                                                                                                                                                                                                                                                                      | N/A                                                                                                                                                                                                                                                                                                                            |
| 5. Is there a possibility of unrecorded shallow mine workings and/or mine entries?                                                                   | <p><b>Unrecorded Shallow Mine Workings: Yes</b></p> <p>The Coal Authority indicates the site to be in a Development High Risk Area and in a location where there are probable shallow unrecorded workings within the developable site boundary.</p> <p>The Coal Authority 'Summary of findings' drawing indicates several</p> | <ul style="list-style-type: none"> <li>Ground subsidence.</li> <li>Ground instability, loss of ground, generation of crown holes.</li> <li>Catastrophic collapse of mine entry leading to ground instability or voids at the ground surface.</li> </ul> | <p><b>Unrecorded Shallow Mine Workings:</b></p> <p>Ground subsidence related to collapse or settlement processes associated with shallow underground coal workings may result in:</p> <ul style="list-style-type: none"> <li>Ground instability and damage to existing and new structures and infrastructure.</li> </ul> | <p><b>Unrecorded Shallow Mine Workings:</b></p> <p>1. Based on the geological mapping and information from the Coal Authority, carry out a suitably designed rotary borehole investigation to confirm the geological and mining setting beneath the site. On completion interpret the data and review the risk assessment.</p> |

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                              |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>conjectured outcrops trending approx. northwest-through the site, the approximate depth to the coal seams is currently unknown.</p> <p>The BGS 1:50,000 map, Sheet 76, Rochdale displays the site to be underlain by sandstone (Rough Rock Formation) with a fault trending northwest-southeast through the middle of the site.</p> <p>Six Inch Coal Seam is displayed adjacent to the southern boundary of the site. As the seam is dipping south-west, away from the site, it is not considered to be of significance to the developable area on site.</p> <p>Based on the available borehole data held by the BGS the superficial deposits on site are conjectured to comprise glacial till and alluvial fan deposits proven to a depth of between 3.0m and 5.0m bgl; however, the base was not encountered. Depth to rockhead within the immediate vicinity of the site is currently unknown.</p> | <ul style="list-style-type: none"> <li>Settlement of the ground surface above/adjacent to the mine entry.</li> <li>Potential mine gas and mine water migration pathways and emissions at surface.</li> </ul> | <ul style="list-style-type: none"> <li>Harm to human health, injury or death of site users or construction workers.</li> <li>Potential for mine gas migration to surface, where it may represent a hazard to development.</li> </ul> | <p>2. If following the results of the investigation above any conjectured zones of potential ground instability or mine entry risks are identified, prior to the development of the site a programme of relict mining hazard remediation may be required over parts of the site prior to its development. This is “normal” practice in many areas of former exposed coalfield and may include: detailed investigation and stabilisation of shallow workings by drilling and pressure grouting, pre-digging and inspection of foundation excavations in certain areas (to mitigate unrecorded mine entry risk), stabilisation of mine entries. All invasive works to be designed to ensure no risk to members of the public or the environment. If required, such works would be carried out in accordance with current Coal Authority requirements and the appropriate Permit and the current industry guidance contained in CIRIA C758D Abandoned Mine Workings Manual (2019).</p> |
|  | <p><b>Unrecorded Mine Entries:</b><br/>Yes<br/>As above.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                              |                                                                                                                                                                                                                                      | <p><b>Unrecorded Mine Entries:</b><br/>Ground subsidence related to collapse or settlement processes associated with mine entries may result in:</p> <ul style="list-style-type: none"> <li>Ground instability and damage to existing and new structures and infrastructure.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                   |                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                            | <ul style="list-style-type: none"> <li>• Harm to human health, injury or death of site users or construction workers.</li> <li>• Potential for mine gas migration to surface, where it may represent a hazard to development.</li> </ul>          |                                                                                                                                                                        |
| 6. Are there any faults, fissures or break lines within the bedrock beneath the site?                                                                                                              | <p><b>Yes</b></p> <p>Two geological faults are recorded to subcrop beneath the superficial deposits across the site trending approximately northwest-southeast. Considering the absence of recorded deep underground coal mine workings beneath the site, and the fact that unrecorded mine workings (should any impact the site) will be shallow, the presence of geological faults is very unlikely to impact mining subsidence risk.</p> | <ul style="list-style-type: none"> <li>• Such features may contribute to surface subsidence as a consequence of underground coal mining.</li> <li>• Mine gas and mine water migration pathways.</li> </ul> | The presence of geological faults, and potentially broken/fractured rock strata associated with them, represents a potential gas transmission pathway for mines gas movement from unrecorded mine workings, should there be any beneath the site. | Review the mine gas source of ground gas, following the proposed Mitigation Item 5 and consider, if necessary, in the land contamination risk assessment for the site. |
| 7. Is the proposed development within the boundary of a surface mining/opencast site from which coal has been removed by surface mining/opencast methods?                                          | No                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                                                                                                                                        | N/A                                                                                                                                                                                                                                               | N/A                                                                                                                                                                    |
| 8. Have the Coal Authority received any alleged subsidence claims or undertaken any remedial works under its Emergency Surface Hazard Call Out procedures either within or within 50m of the site? | No                                                                                                                                                                                                                                                                                                                                                                                                                                          | N/A                                                                                                                                                                                                        | N/A                                                                                                                                                                                                                                               | N/A                                                                                                                                                                    |



|                                                                                             |    |     |     |     |
|---------------------------------------------------------------------------------------------|----|-----|-----|-----|
| 9. Is there a record of mine gas emissions within 500m of the site?                         | No | N/A | N/A | N/A |
| 10. Is the site within the likely zone of influence of any planned underground coal mining? | No | N/A | N/A | N/A |

#### Assessment of Cumulative Impact of Coal Mining Issues:

In terms of the impact of coal mining legacy, overall the site represents a Low to Moderate Risk because of the conjectured position of the Coal Seams subcropping across and potentially being at shallow depth beneath parts of the site. The site is considered to be suitable for the proposed use, however the geological and mining settings should be confirmed by site investigation (rotary boreholes) prior to development and, following a revised risk assessment, mining remedial works such as drilling and pressure grouting **may** be required to ensure the future stability and safety of the proposed development. Such mining investigations and remedial measures are “normal” practice in many areas of former exposed coalfield and their potential requirement is not considered a reason to object to the planning application. The proposed development of the site is not considered to impact or restrict future coal mine working.

The potential presence of mine gas representing a source of ground gas should be considered in the land contamination risk assessment.

The potential for the conjectured geological faults to represent zones of variable rockhead and a source of potential differential settlement of foundations should be considered by the foundations engineer.

Prior to carrying out any works which may intersect, disturb or enter any coal seams, coal mine workings or mine entries (within the ownership of the Coal Authority), the written permission of the Coal Authority shall be obtained (<http://coal.decc.gov.uk/en/coal/cms/services/permits/permits.aspx>). The legal implications of acceptance of The Coal Authority permit conditions should be considered fully before accepting them.

N/A = Not Applicable

#### Risk Definitions

For ease of reference and understanding the identified risks have been assigned to one of the following categories:

**Negligible risk** - site likely to be suitable for the proposed use in its present condition. Mining risk unlikely to be present. Further assessment not considered necessary.

**Low risk** - site likely to be suitable for the proposed use in its present condition. Mining risk may be present but unlikely to have a significant impact on the proposed use. Further assessment may be beneficial in understanding the level of risk, however remedial action is unlikely to be required.

**Moderate risk** - site may not be suitable for the proposed use in its present condition. Mining risk probably present and may have a significant impact on the proposed use. Further assessment is required to confirm the risk and remedial action may be required.

**High risk** - site unlikely to be suitable for the proposed use in its present condition. Mining risk almost certainly present and likely to have a significant impact on the proposed use. Further assessment is required to confirm the risk and remedial action likely to be required.

Prepared By:

A handwritten signature in black ink, appearing to read "B Fairhurst".

BETHANY FAIRHURST

ENGINEERING GEOLOGIST

Reviewed By:

A handwritten signature in black ink, appearing to read "D Brownjohn".

DOUG BROWNJOHN

ASSOCIATE DIRECTOR

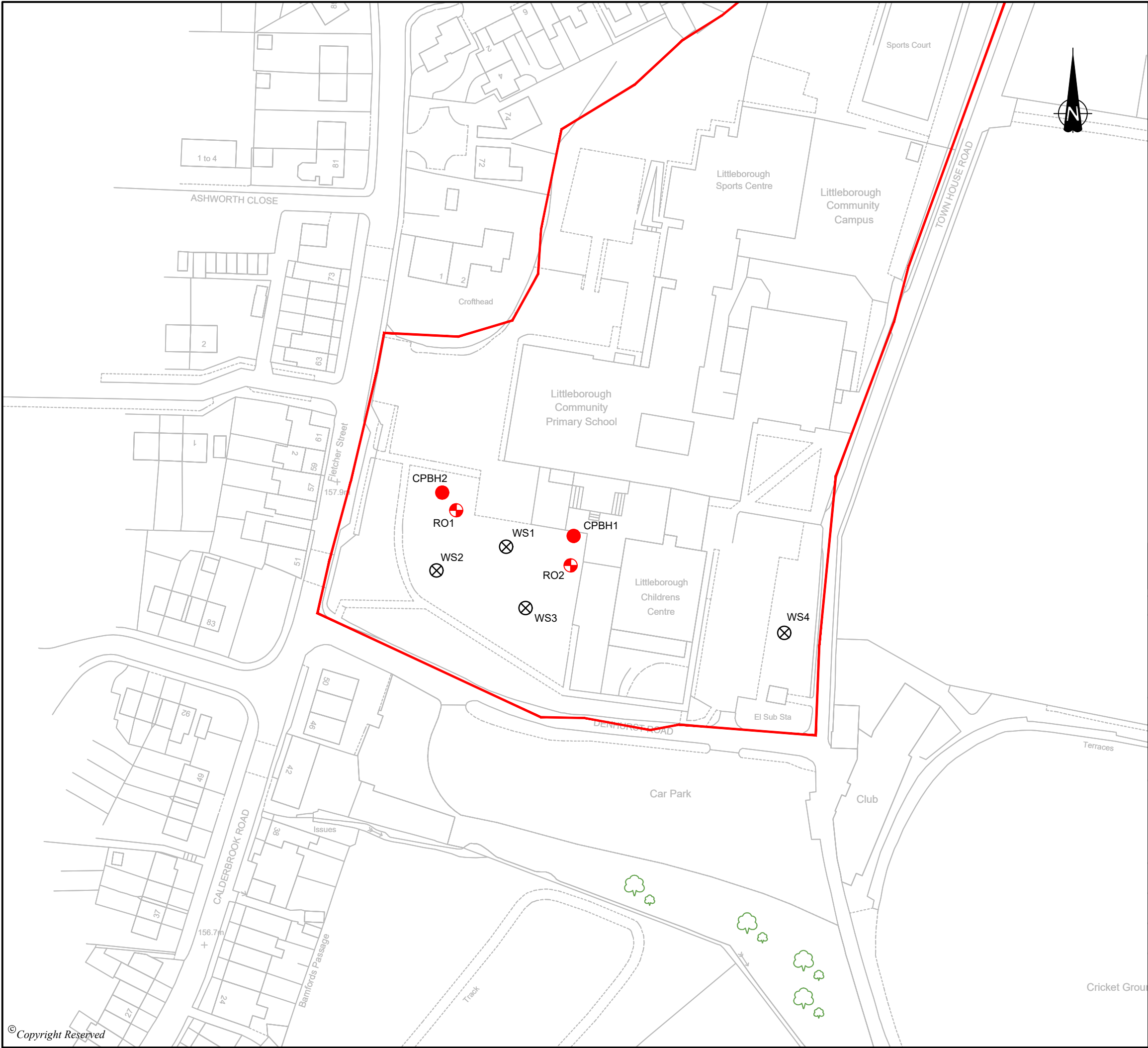
Approved By:

A handwritten signature in black ink, appearing to read "M Flanagan".

MARK FLANAGAN

TECHNICAL DIRECTOR

# Appendix A



DO NOT SCALE FROM THIS DRAWING

REFERENCE

RED LINE BOUNDARY

CABLE PERCUSSIVE BOREHOLE

ROTARY BOREHOLE

WINDOW SAMPLE BOREHOLE

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                 |     |                  |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-----|------------------|------|
| REVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DETAILS | DATE            | DRN | CHKD             | APPD |
| CLIENT<br>TURNER & TOWNSEND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |                 |     |                  |      |
| PROJECT<br>LITTLEBOROUGH PRIMARY SCHOOL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |                 |     |                  |      |
| DRAWING TITLE<br>SITE INVESTIGATION PLAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |                 |     |                  |      |
| DRG No.<br>GM11360-007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         | REV<br>P01      |     |                  |      |
| DRG SIZE<br>A3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         | SCALE<br>1:1000 |     | DATE<br>19/01/21 |      |
| DRAWN BY<br>CT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         | CHECKED BY      |     | APPROVED BY      |      |
| <div><div><div><div></div><div>BOLTON   TEL 01204 227 227</div><div>WWW.WARDELL-ARMSTRONG.COM</div></div><div><div><div><div></div><div>BIRMINGHAM</div></div><div><div></div><div>CARDIFF</div></div><div><div></div><div>CARLISLE</div></div><div><div></div><div>EDINBURGH</div></div><div><div></div><div>GLASGOW</div></div></div><div><div><div><div></div><div>LEEDS</div></div><div><div></div><div>LONDON</div></div><div><div></div><div>MANCHESTER</div></div><div><div></div><div>NEWCASTLE UPON TYNE</div></div><div><div></div><div>STOKE ON TRENT</div></div></div></div></div></div></div> |         |                 |     |                  |      |

## **Appendix B**



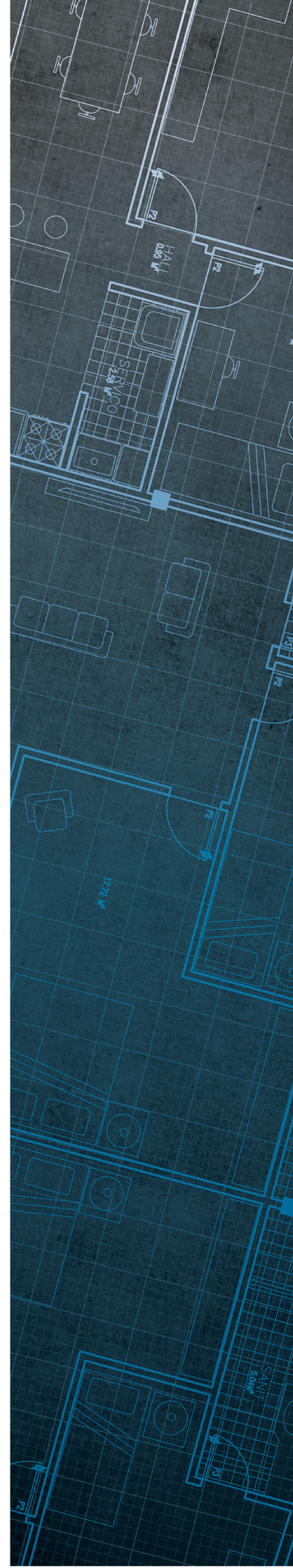
The Coal  
Authority

# Consultants Coal Mining Report

Littleborough Community Primary  
School  
Calderbrook Road  
Littleborough  
Rochdale  
OL15 9HW

|                        |                |
|------------------------|----------------|
| Date of enquiry:       | 21 August 2020 |
| Date enquiry received: | 21 August 2020 |
| Issue date:            | 21 August 2020 |

|                 |                |
|-----------------|----------------|
| Our reference:  | 51002305070001 |
| Your reference: | GM2604         |





# Consultants

## Coal Mining Report

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

### Client name

Bethany Fairhurst

### Enquiry address

Littleborough Community Primary School  
Calderbrook Road  
Littleborough  
Rochdale  
OL15 9HW

### How to contact us

0345 762 6848 (UK)  
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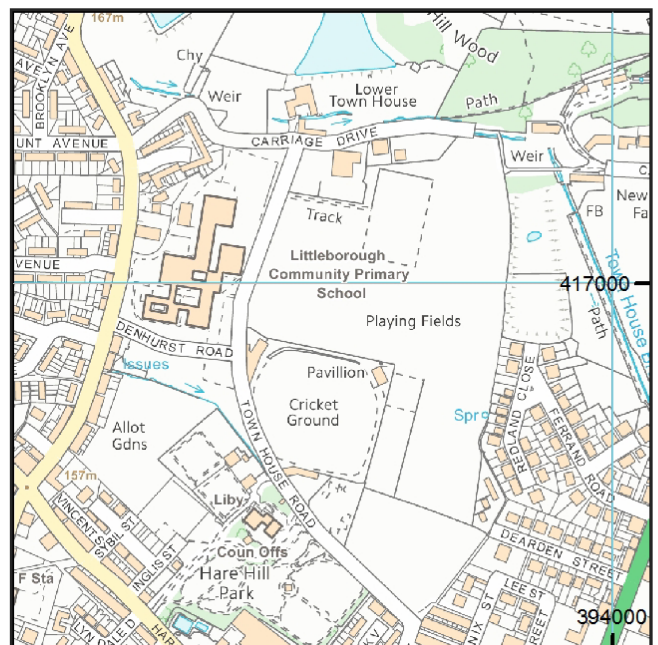
[www.groundstability.com](http://www.groundstability.com)

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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# Section 1 – Mining activity and geology

## Past underground mining

No past mining recorded.

## Probable unrecorded shallow workings

Yes.

## Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

## Mine entries

None recorded within 100 metres of the enquiry boundary.

## Abandoned mine plan catalogue numbers

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

|      |       |        |
|------|-------|--------|
| 5541 | 16820 | NW1230 |
|------|-------|--------|

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

## Outcrops

| Seam name      | Mineral | Seam workable | Distance to outcrop (m) | Direction to outcrop | Bearing of outcrop |
|----------------|---------|---------------|-------------------------|----------------------|--------------------|
| INCH           | Coal    | Yes           | Within                  | N/A                  | 97                 |
| LOWER FOOT     | Coal    | Yes           | Within                  | N/A                  | 96                 |
| LOWER MOUNTAIN | Coal    | Yes           | Within                  | N/A                  | 97                 |
| LOWER MOUNTAIN | Coal    | Yes           | Within                  | N/A                  | 137                |
| SIX INCH       | Coal    | Yes           | Within                  | N/A                  | 121                |
| SIX INCH       | Coal    | Yes           | Within                  | N/A                  | 134                |
| UPPER FOOT     | Coal    | Yes           | Within                  | N/A                  | 98                 |
| UPPER FOOT     | Coal    | Yes           | Within                  | N/A                  | 139                |
| UPPER MOUNTAIN | Coal    | Yes           | Within                  | N/A                  | 93                 |



### **Geological faults, fissures and breaklines**

Please refer to the 'Summary of findings' map (on separate sheet) for details of any geological faults, fissures or breaklines either within or intersecting the enquiry boundary.

Faults under or close to the property recorded.

### **Opencast mines**

None recorded within 500 metres of the enquiry boundary.

### **Coal Authority managed tips**

None recorded within 500 metres of the enquiry boundary.

## Section 2 – Investigative or remedial activity

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

### Site investigations

None recorded within 50 metres of the enquiry boundary.

### Remediated sites

None recorded within 50 metres of the enquiry boundary.

### Coal mining subsidence

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

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

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

### Mine gas

None recorded within 500 metres of the enquiry boundary.

### Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

## Section 3 – Licensing and future mining activity

### Future underground mining

None recorded.

### Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

### Court orders

None recorded.

### Section 46 notices

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

### Withdrawal of support notices

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

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

### Payments to owners of former copyhold land

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

## Section 4 – Further information

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

## Section 5 – Data definitions

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

### Past underground coal mining

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

### Probable unrecorded shallow workings

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

### Spine roadways at shallow depth

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

### Mine entries

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

### Abandoned mine plan catalogue numbers

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

### Outcrops

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

### Geological faults, fissures and breaklines

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

### **Opencast mines**

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

### **Coal Authority managed tips**

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

### **Site investigations**

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

### **Remediated sites**

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

### **Coal mining subsidence**

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

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

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

### **Mine gas**

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

### **Mine water treatment schemes**

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

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

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

### **Future underground mining**

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

### **Coal mining licensing**

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

### **Court orders**

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

### **Section 46 notices**

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

### **Withdrawal of support notices**

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

### **Payment to owners of former copyhold land**

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

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## VAT receipt

|                            |                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Issued by</b>           | The Coal Authority<br>200 Lichfield Lane<br>Mansfield<br>Nottinghamshire<br>NG18 4RG                |
| <b>Tax point date</b>      | 21 August 2020                                                                                      |
| <b>Issued to</b>           | BETHANY FAIRHURST<br>41-50 FUTURA PARK, ASPINALL WAY<br>HORWICH<br>BOLTON<br>BL6 6SU                |
| <b>Property search for</b> | LITTLEBOROUGH COMMUNITY PRIMARY SCHOOL<br>CALDERBROOK ROAD<br>LITTLEBOROUGH<br>ROCHDALE<br>OL15 9HW |
| <b>Reference number</b>    | 51002305070001                                                                                      |
| <b>Date of issue</b>       | 21 August 2020                                                                                      |
| <b>Cost</b>                | £112.13                                                                                             |
| <b>VAT @ 20%</b>           | £22.43                                                                                              |
| <b>Total received</b>      | £134.56                                                                                             |
| <b>VAT registration</b>    | 598 5850 68                                                                                         |



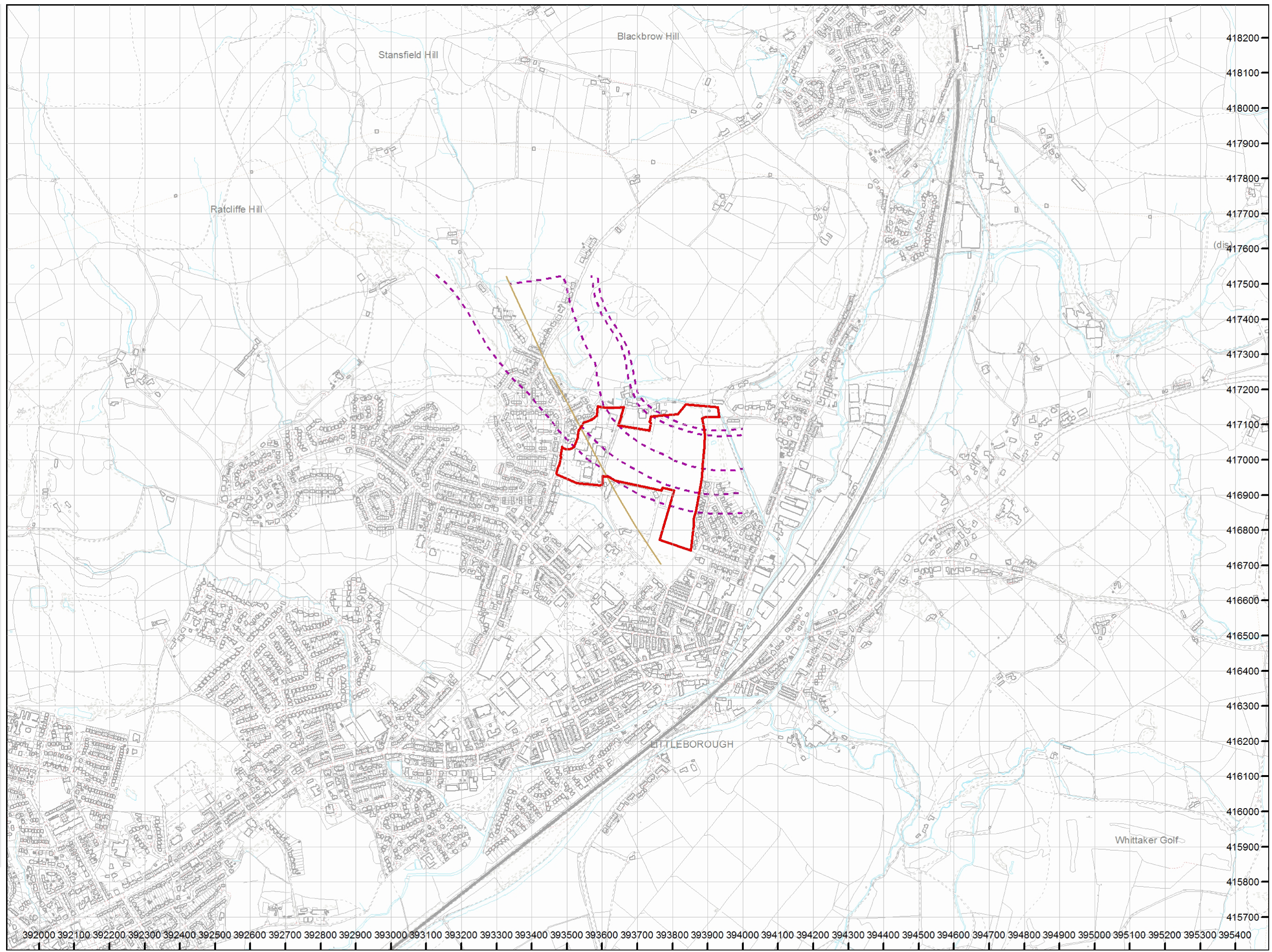
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

### Key

- Approximate position of the enquiry boundary shown 
- Outcrop (Conjectured) 
- Geological faults 

### How to contact us

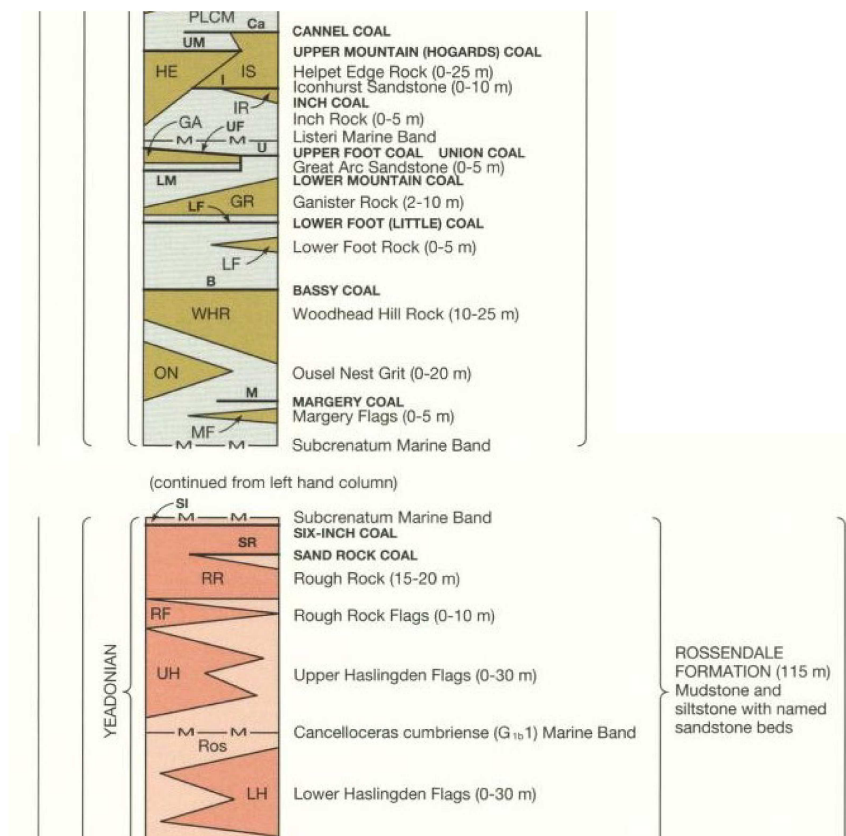
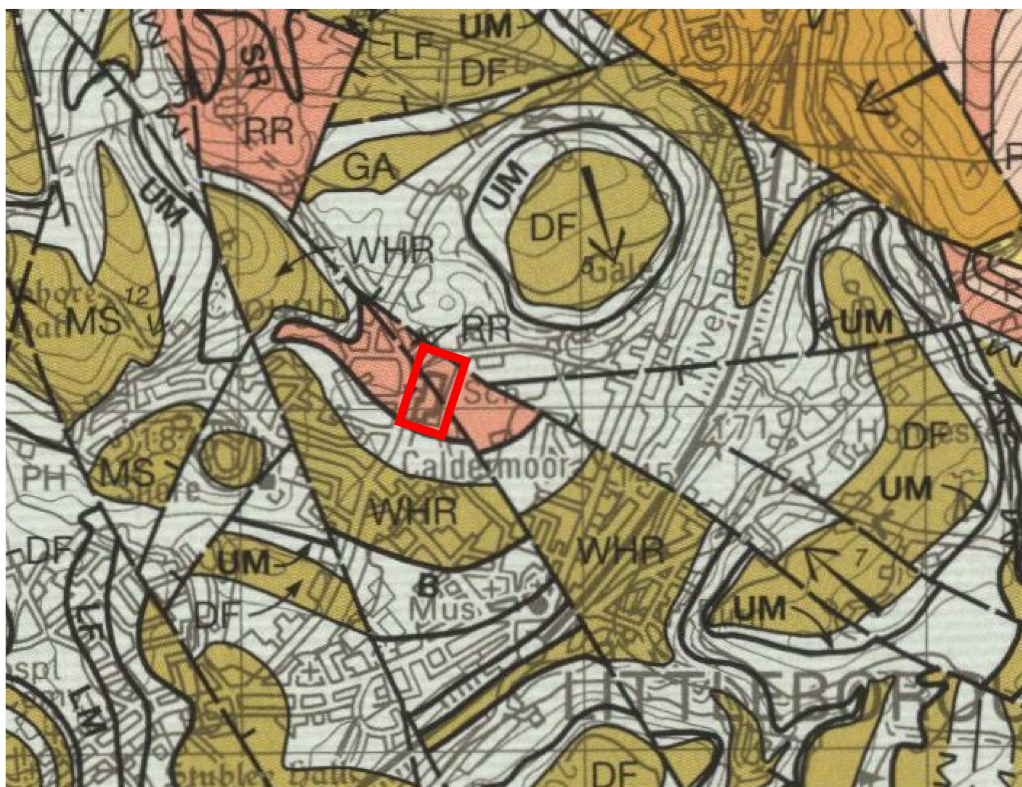
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[www.groundstability.com](http://www.groundstability.com)



# Appendix C



Geological Survey of England and Wales 1:50,000 geological map series. Sheet 76. Rochdale. Solid. 1/50000. 2008.



## Appendix D

LITTLEBOROUGH COMMUNITY PRIMARY SCHOOL, CALDERBROOK ROAD, LITTLEBOROUGH, OL15 9HW

## Order Details

**Date:** 21/08/2020  
**Your ref:** GM2603  
**Our Ref:** GS-6987705  
**Client:** Wardell Armstrong LLP

## Site Details

**Location:** 393611 417131  
**Area:** 8.96 ha  
**Authority:** [Rochdale Metropolitan Borough Council](#)



**Summary of findings**

p. 2 **Aerial image**

p. 8

**OS MasterMap site plan**

p.13 [groundsure.com/insightuserguide](https://groundsure.com/insightuserguide)

Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

08444 159 000

## Summary of findings

| Page               | Section             | Past land use                                            | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|--------------------|---------------------|----------------------------------------------------------|---------|-------|---------|----------|-----------|
| <a href="#">14</a> | <a href="#">1.1</a> | <a href="#">Historical industrial land uses</a>          | 10      | 7     | 37      | 148      | -         |
| <a href="#">22</a> | <a href="#">1.2</a> | <a href="#">Historical tanks</a>                         | 1       | 1     | 6       | 37       | -         |
| <a href="#">24</a> | <a href="#">1.3</a> | <a href="#">Historical energy features</a>               | 0       | 1     | 2       | 16       | -         |
| 25                 | 1.4                 | Historical petrol stations                               | 0       | 0     | 0       | 0        | -         |
| <a href="#">25</a> | <a href="#">1.5</a> | <a href="#">Historical garages</a>                       | 0       | 0     | 4       | 6        | -         |
| 26                 | 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="#">27</a> | <a href="#">2.1</a> | <a href="#">Historical industrial land uses</a>          | 14      | 9     | 53      | 189      | -         |
| <a href="#">37</a> | <a href="#">2.2</a> | <a href="#">Historical tanks</a>                         | 3       | 1     | 9       | 64       | -         |
| <a href="#">40</a> | <a href="#">2.3</a> | <a href="#">Historical energy features</a>               | 0       | 1     | 7       | 27       | -         |
| 42                 | 2.4                 | Historical petrol stations                               | 0       | 0     | 0       | 0        | -         |
| <a href="#">42</a> | <a href="#">2.5</a> | <a href="#">Historical garages</a>                       | 0       | 0     | 7       | 13       | -         |
| Page               | Section             | Waste and landfill                                       | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 44                 | 3.1                 | Active or recent landfill                                | 0       | 0     | 0       | 0        | -         |
| <a href="#">44</a> | <a href="#">3.2</a> | <a href="#">Historical landfill (BGS records)</a>        | 0       | 0     | 0       | 1        | -         |
| <a href="#">45</a> | <a href="#">3.3</a> | <a href="#">Historical landfill (LA/mapping records)</a> | 0       | 0     | 0       | 1        | -         |
| <a href="#">45</a> | <a href="#">3.4</a> | <a href="#">Historical landfill (EA/NRW records)</a>     | 1       | 0     | 1       | 3        | -         |
| <a href="#">46</a> | <a href="#">3.5</a> | <a href="#">Historical waste sites</a>                   | 0       | 0     | 0       | 1        | -         |
| 47                 | 3.6                 | Licensed waste sites                                     | 0       | 0     | 0       | 0        | -         |
| <a href="#">47</a> | <a href="#">3.7</a> | <a href="#">Waste exemptions</a>                         | 1       | 0     | 0       | 3        | -         |
| Page               | Section             | Current industrial land use                              | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#">48</a> | <a href="#">4.1</a> | <a href="#">Recent industrial land uses</a>              | 1       | 2     | 17      | -        | -         |
| <a href="#">50</a> | <a href="#">4.2</a> | <a href="#">Current or recent petrol stations</a>        | 0       | 0     | 1       | 0        | -         |
| 50                 | 4.3                 | Electricity cables                                       | 0       | 0     | 0       | 0        | -         |
| 50                 | 4.4                 | Gas pipelines                                            | 0       | 0     | 0       | 0        | -         |
| 51                 | 4.5                 | Sites determined as Contaminated Land                    | 0       | 0     | 0       | 0        | -         |



| 51        | 4.6         | Control of Major Accident Hazards (COMAH)              | 0                        | 0     | 0       | 0        | -         |
|-----------|-------------|--------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 51        | 4.7         | Regulated explosive sites                              | 0                        | 0     | 0       | 0        | -         |
| 51        | 4.8         | Hazardous substance storage/usage                      | 0                        | 0     | 0       | 0        | -         |
| 51        | 4.9         | Historical licensed industrial activities (IPC)        | 0                        | 0     | 0       | 0        | -         |
| 52        | 4.10        | Licensed industrial activities (Part A(1))             | 0                        | 0     | 0       | 0        | -         |
| <b>52</b> | <b>4.11</b> | <b><u>Licensed pollutant release (Part A(2)/B)</u></b> | 0                        | 0     | 1       | 0        | -         |
| 52        | 4.12        | Radioactive Substance Authorisations                   | 0                        | 0     | 0       | 0        | -         |
| <b>52</b> | <b>4.13</b> | <b><u>Licensed Discharges to controlled waters</u></b> | 0                        | 1     | 0       | 1        | -         |
| 53        | 4.14        | Pollutant release to surface waters (Red List)         | 0                        | 0     | 0       | 0        | -         |
| 53        | 4.15        | Pollutant release to public sewer                      | 0                        | 0     | 0       | 0        | -         |
| 53        | 4.16        | List 1 Dangerous Substances                            | 0                        | 0     | 0       | 0        | -         |
| 54        | 4.17        | List 2 Dangerous Substances                            | 0                        | 0     | 0       | 0        | -         |
| <b>54</b> | <b>4.18</b> | <b><u>Pollution Incidents (EA/NRW)</u></b>             | 0                        | 0     | 1       | 5        | -         |
| 55        | 4.19        | Pollution inventory substances                         | 0                        | 0     | 0       | 0        | -         |
| 55        | 4.20        | Pollution inventory waste transfers                    | 0                        | 0     | 0       | 0        | -         |
| 55        | 4.21        | Pollution inventory radioactive waste                  | 0                        | 0     | 0       | 0        | -         |
| Page      | Section     | Hydrogeology                                           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>56</b> | <b>5.1</b>  | <b><u>Superficial aquifer</u></b>                      | Identified (within 500m) |       |         |          |           |
| <b>58</b> | <b>5.2</b>  | <b><u>Bedrock aquifer</u></b>                          | Identified (within 500m) |       |         |          |           |
| <b>59</b> | <b>5.3</b>  | <b><u>Groundwater vulnerability</u></b>                | Identified (within 50m)  |       |         |          |           |
| 61        | 5.4         | Groundwater vulnerability- soluble rock risk           | None (within 0m)         |       |         |          |           |
| 61        | 5.5         | Groundwater vulnerability- local information           | None (within 0m)         |       |         |          |           |
| <b>62</b> | <b>5.6</b>  | <b><u>Groundwater abstractions</u></b>                 | 0                        | 0     | 2       | 0        | 12        |
| <b>66</b> | <b>5.7</b>  | <b><u>Surface water abstractions</u></b>               | 0                        | 1     | 1       | 4        | 57        |
| <b>82</b> | <b>5.8</b>  | <b><u>Potable abstractions</u></b>                     | 0                        | 0     | 0       | 0        | 8         |
| 84        | 5.9         | Source Protection Zones                                | 0                        | 0     | 0       | 0        | -         |
| 84        | 5.10        | Source Protection Zones (confined aquifer)             | 0                        | 0     | 0       | 0        | -         |
| Page      | Section     | Hydrology                                              | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>85</b> | <b>6.1</b>  | <b><u>Water Network (OS MasterMap)</u></b>             | 2                        | 11    | 9       | -        | -         |





| <b>87</b>  | <b>6.2</b>   | <b><u>Surface water features</u></b>                        | 0                                            | 2     | 4       | -        | -         |
|------------|--------------|-------------------------------------------------------------|----------------------------------------------|-------|---------|----------|-----------|
| <b>88</b>  | <b>6.3</b>   | <b><u>WFD Surface water body catchments</u></b>             | 1                                            | -     | -       | -        | -         |
| <b>88</b>  | <b>6.4</b>   | <b><u>WFD Surface water bodies</u></b>                      | 0                                            | 0     | 1       | -        | -         |
| <b>88</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>90</b>  | <b>7.1</b>   | <b><u>Risk of Flooding from Rivers and Sea (RoFRaS)</u></b> | High (within 50m)                            |       |         |          |           |
| <b>91</b>  | <b>7.2</b>   | <b><u>Historical Flood Events</u></b>                       | 3                                            | 0     | 13      | -        | -         |
| <b>92</b>  | <b>7.3</b>   | <b><u>Flood Defences</u></b>                                | 0                                            | 5     | 11      | -        | -         |
| <b>93</b>  | <b>7.4</b>   | <b><u>Areas Benefiting from Flood Defences</u></b>          | 0                                            | 0     | 1       | -        | -         |
| 93         | 7.5          | Flood Storage Areas                                         | 0                                            | 0     | 0       | -        | -         |
| <b>94</b>  | <b>7.6</b>   | <b><u>Flood Zone 2</u></b>                                  | Identified (within 50m)                      |       |         |          |           |
| <b>95</b>  | <b>7.7</b>   | <b><u>Flood Zone 3</u></b>                                  | Identified (within 50m)                      |       |         |          |           |
| Page       | Section      | Surface water flooding                                      |                                              |       |         |          |           |
| <b>96</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>98</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 |
| <b>99</b>  | <b>10.1</b>  | <b><u>Sites of Special Scientific Interest (SSSI)</u></b>   | 0                                            | 0     | 0       | 0        | 4         |
| 100        | 10.2         | Conserved wetland sites (Ramsar sites)                      | 0                                            | 0     | 0       | 0        | 0         |
| <b>100</b> | <b>10.3</b>  | <b><u>Special Areas of Conservation (SAC)</u></b>           | 0                                            | 0     | 0       | 0        | 3         |
| <b>101</b> | <b>10.4</b>  | <b><u>Special Protection Areas (SPA)</u></b>                | 0                                            | 0     | 0       | 0        | 2         |
| 102        | 10.5         | National Nature Reserves (NNR)                              | 0                                            | 0     | 0       | 0        | 0         |
| 102        | 10.6         | Local Nature Reserves (LNR)                                 | 0                                            | 0     | 0       | 0        | 0         |
| <b>102</b> | <b>10.7</b>  | <b><u>Designated Ancient Woodland</u></b>                   | 0                                            | 1     | 1       | 0        | 2         |
| 103        | 10.8         | Biosphere Reserves                                          | 0                                            | 0     | 0       | 0        | 0         |
| 103        | 10.9         | Forest Parks                                                | 0                                            | 0     | 0       | 0        | 0         |
| 103        | 10.10        | Marine Conservation Zones                                   | 0                                            | 0     | 0       | 0        | 0         |
| <b>103</b> | <b>10.11</b> | <b><u>Green Belt</u></b>                                    | 1                                            | 0     | 0       | 0        | 0         |
| 104        | 10.12        | Proposed Ramsar sites                                       | 0                                            | 0     | 0       | 0        | 0         |



| 104        | 10.13        | Possible Special Areas of Conservation (pSAC)  | 0                        | 0     | 0       | 0        | 0         |
|------------|--------------|------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| 104        | 10.14        | Potential Special Protection Areas (pSPA)      | 0                        | 0     | 0       | 0        | 0         |
| 104        | 10.15        | Nitrate Sensitive Areas                        | 0                        | 0     | 0       | 0        | 0         |
| 105        | 10.16        | Nitrate Vulnerable Zones                       | 0                        | 0     | 0       | 0        | 0         |
| <b>106</b> | <b>10.17</b> | <b><u>SSSI Impact Risk Zones</u></b>           | 4                        | -     | -       | -        | -         |
| <b>109</b> | <b>10.18</b> | <b><u>SSSI Units</u></b>                       | 0                        | 0     | 0       | 0        | 4         |
| Page       | Section      | Visual and cultural designations               | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 111        | 11.1         | World Heritage Sites                           | 0                        | 0     | 0       | -        | -         |
| 112        | 11.2         | Area of Outstanding Natural Beauty             | 0                        | 0     | 0       | -        | -         |
| 112        | 11.3         | National Parks                                 | 0                        | 0     | 0       | -        | -         |
| <b>112</b> | <b>11.4</b>  | <b><u>Listed Buildings</u></b>                 | 0                        | 2     | 3       | -        | -         |
| <b>113</b> | <b>11.5</b>  | <b><u>Conservation Areas</u></b>               | 1                        | 0     | 1       | -        | -         |
| 113        | 11.6         | Scheduled Ancient Monuments                    | 0                        | 0     | 0       | -        | -         |
| 113        | 11.7         | Registered Parks and Gardens                   | 0                        | 0     | 0       | -        | -         |
| Page       | Section      | Agricultural designations                      | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>114</b> | <b>12.1</b>  | <b><u>Agricultural Land Classification</u></b> | Urban (within 250m)      |       |         |          |           |
| 115        | 12.2         | Open Access Land                               | 0                        | 0     | 0       | -        | -         |
| 115        | 12.3         | Tree Felling Licences                          | 0                        | 0     | 0       | -        | -         |
| 115        | 12.4         | Environmental Stewardship Schemes              | 0                        | 0     | 0       | -        | -         |
| 115        | 12.5         | Countryside Stewardship Schemes                | 0                        | 0     | 0       | -        | -         |
| Page       | Section      | Habitat designations                           | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <b>116</b> | <b>13.1</b>  | <b><u>Priority Habitat Inventory</u></b>       | 1                        | 5     | 25      | -        | -         |
| <b>118</b> | <b>13.2</b>  | <b><u>Habitat Networks</u></b>                 | 0                        | 0     | 2       | -        | -         |
| 118        | 13.3         | Open Mosaic Habitat                            | 0                        | 0     | 0       | -        | -         |
| 118        | 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>119</b> | <b>14.1</b>  | <b><u>10k Availability</u></b>                 | Identified (within 500m) |       |         |          |           |
| <b>120</b> | <b>14.2</b>  | <b><u>Artificial and made ground (10k)</u></b> | 1                        | 0     | 5       | 9        | -         |
| <b>122</b> | <b>14.3</b>  | <b><u>Superficial geology (10k)</u></b>        | 4                        | 2     | 1       | 5        | -         |

| <a href="#"><u>123</u></a> | <a href="#"><u>14.4</u></a>  | <a href="#"><u>Landslip (10k)</u></a>                                 | 0                        | 0     | 1       | 2        | -         |
|----------------------------|------------------------------|-----------------------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| <a href="#"><u>124</u></a> | <a href="#"><u>14.5</u></a>  | <a href="#"><u>Bedrock geology (10k)</u></a>                          | 8                        | 2     | 2       | 10       | -         |
| <a href="#"><u>126</u></a> | <a href="#"><u>14.6</u></a>  | <a href="#"><u>Bedrock faults and other linear features (10k)</u></a> | 5                        | 1     | 2       | 10       | -         |
| Page                       | Section                      | Geology 1:50,000 scale                                                | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#"><u>127</u></a> | <a href="#"><u>15.1</u></a>  | <a href="#"><u>50k Availability</u></a>                               | Identified (within 500m) |       |         |          |           |
| 128                        | 15.2                         | Artificial and made ground (50k)                                      | 0                        | 0     | 0       | 0        | -         |
| 128                        | 15.3                         | Artificial ground permeability (50k)                                  | 0                        | 0     | -       | -        | -         |
| <a href="#"><u>129</u></a> | <a href="#"><u>15.4</u></a>  | <a href="#"><u>Superficial geology (50k)</u></a>                      | 4                        | 1     | 1       | 5        | -         |
| <a href="#"><u>130</u></a> | <a href="#"><u>15.5</u></a>  | <a href="#"><u>Superficial permeability (50k)</u></a>                 | Identified (within 50m)  |       |         |          |           |
| 130                        | 15.6                         | Landslip (50k)                                                        | 0                        | 0     | 0       | 0        | -         |
| 131                        | 15.7                         | Landslip permeability (50k)                                           | None (within 50m)        |       |         |          |           |
| <a href="#"><u>132</u></a> | <a href="#"><u>15.8</u></a>  | <a href="#"><u>Bedrock geology (50k)</u></a>                          | 6                        | 2     | 2       | 8        | -         |
| <a href="#"><u>133</u></a> | <a href="#"><u>15.9</u></a>  | <a href="#"><u>Bedrock permeability (50k)</u></a>                     | Identified (within 50m)  |       |         |          |           |
| <a href="#"><u>134</u></a> | <a href="#"><u>15.10</u></a> | <a href="#"><u>Bedrock faults and other linear features (50k)</u></a> | 5                        | 1     | 3       | 9        | -         |
| Page                       | Section                      | Boreholes                                                             | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| <a href="#"><u>135</u></a> | <a href="#"><u>16.1</u></a>  | <a href="#"><u>BGS Boreholes</u></a>                                  | 1                        | 5     | 13      | -        | -         |
| Page                       | Section                      | Natural ground subsidence                                             |                          |       |         |          |           |
| <a href="#"><u>137</u></a> | <a href="#"><u>17.1</u></a>  | <a href="#"><u>Shrink swell clays</u></a>                             | Low (within 50m)         |       |         |          |           |
| <a href="#"><u>139</u></a> | <a href="#"><u>17.2</u></a>  | <a href="#"><u>Running sands</u></a>                                  | Very low (within 50m)    |       |         |          |           |
| <a href="#"><u>140</u></a> | <a href="#"><u>17.3</u></a>  | <a href="#"><u>Compressible deposits</u></a>                          | Negligible (within 50m)  |       |         |          |           |
| <a href="#"><u>141</u></a> | <a href="#"><u>17.4</u></a>  | <a href="#"><u>Collapsible deposits</u></a>                           | Very low (within 50m)    |       |         |          |           |
| <a href="#"><u>142</u></a> | <a href="#"><u>17.5</u></a>  | <a href="#"><u>Landslides</u></a>                                     | Moderate (within 50m)    |       |         |          |           |
| <a href="#"><u>144</u></a> | <a href="#"><u>17.6</u></a>  | <a href="#"><u>Ground dissolution of soluble rocks</u></a>            | Negligible (within 50m)  |       |         |          |           |
| Page                       | Section                      | Mining, ground workings and natural cavities                          | On site                  | 0-50m | 50-250m | 250-500m | 500-2000m |
| 146                        | 18.1                         | Natural cavities                                                      | 0                        | 0     | 0       | 0        | -         |
| <a href="#"><u>147</u></a> | <a href="#"><u>18.2</u></a>  | <a href="#"><u>BritPits</u></a>                                       | 0                        | 0     | 0       | 2        | -         |
| <a href="#"><u>147</u></a> | <a href="#"><u>18.3</u></a>  | <a href="#"><u>Surface ground workings</u></a>                        | 8                        | 4     | 63      | -        | -         |
| <a href="#"><u>150</u></a> | <a href="#"><u>18.4</u></a>  | <a href="#"><u>Underground workings</u></a>                           | 0                        | 0     | 0       | 0        | 44        |
| 152                        | 18.5                         | Historical Mineral Planning Areas                                     | 0                        | 0     | 0       | 0        | -         |



|            |             |                                                       |                          |       |         |          |           |
|------------|-------------|-------------------------------------------------------|--------------------------|-------|---------|----------|-----------|
| <b>152</b> | <b>18.6</b> | <b><u>Non-coal mining</u></b>                         | 1                        | 0     | 0       | 0        | 0         |
| 153        | 18.7        | Mining cavities                                       | 0                        | 0     | 0       | 0        | 0         |
| 153        | 18.8        | JPB mining areas                                      | None (within 0m)         |       |         |          |           |
| <b>153</b> | <b>18.9</b> | <b><u>Coal mining</u></b>                             | Identified (within 0m)   |       |         |          |           |
| 153        | 18.10       | Brine areas                                           | None (within 0m)         |       |         |          |           |
| 154        | 18.11       | Gypsum areas                                          | None (within 0m)         |       |         |          |           |
| 154        | 18.12       | Tin mining                                            | None (within 0m)         |       |         |          |           |
| 154        | 18.13       | Clay mining                                           | None (within 0m)         |       |         |          |           |
| Page       | Section     | Radon                                                 |                          |       |         |          |           |
| <b>155</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>156</b> | <b>20.1</b> | <b><u>BGS Estimated Background Soil Chemistry</u></b> | 19                       | 2     | -       | -        | -         |
| 157        | 20.2        | BGS Estimated Urban Soil Chemistry                    | 0                        | 0     | -       | -        | -         |
| 157        | 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 |
| 158        | 21.1        | Underground railways (London)                         | 0                        | 0     | 0       | -        | -         |
| 158        | 21.2        | Underground railways (Non-London)                     | 0                        | 0     | 0       | -        | -         |
| 158        | 21.3        | Railway tunnels                                       | 0                        | 0     | 0       | -        | -         |
| 158        | 21.4        | Historical railway and tunnel features                | 0                        | 0     | 0       | -        | -         |
| 158        | 21.5        | Royal Mail tunnels                                    | 0                        | 0     | 0       | -        | -         |
| 159        | 21.6        | Historical railways                                   | 0                        | 0     | 0       | -        | -         |
| 159        | 21.7        | Railways                                              | 0                        | 0     | 0       | -        | -         |
| 159        | 21.8        | Crossrail 1                                           | 0                        | 0     | 0       | 0        | -         |
| 159        | 21.9        | Crossrail 2                                           | 0                        | 0     | 0       | 0        | -         |
| 159        | 21.10       | HS2                                                   | 0                        | 0     | 0       | 0        | -         |

## Recent aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2020. All Rights Reserved.

Capture Date: 23/05/2019

Site Area: 8.96ha





## Recent site history - 2018 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2020. All Rights Reserved.

Capture Date: 01/07/2018

Site Area: 8.96ha



## Recent site history - 2012 aerial photograph



Capture Date: 26/03/2012

Site Area: 8.96ha





## Recent site history - 2001 aerial photograph



Capture Date: 12/05/2001

Site Area: 8.96ha





## Recent site history - 2000 aerial photograph



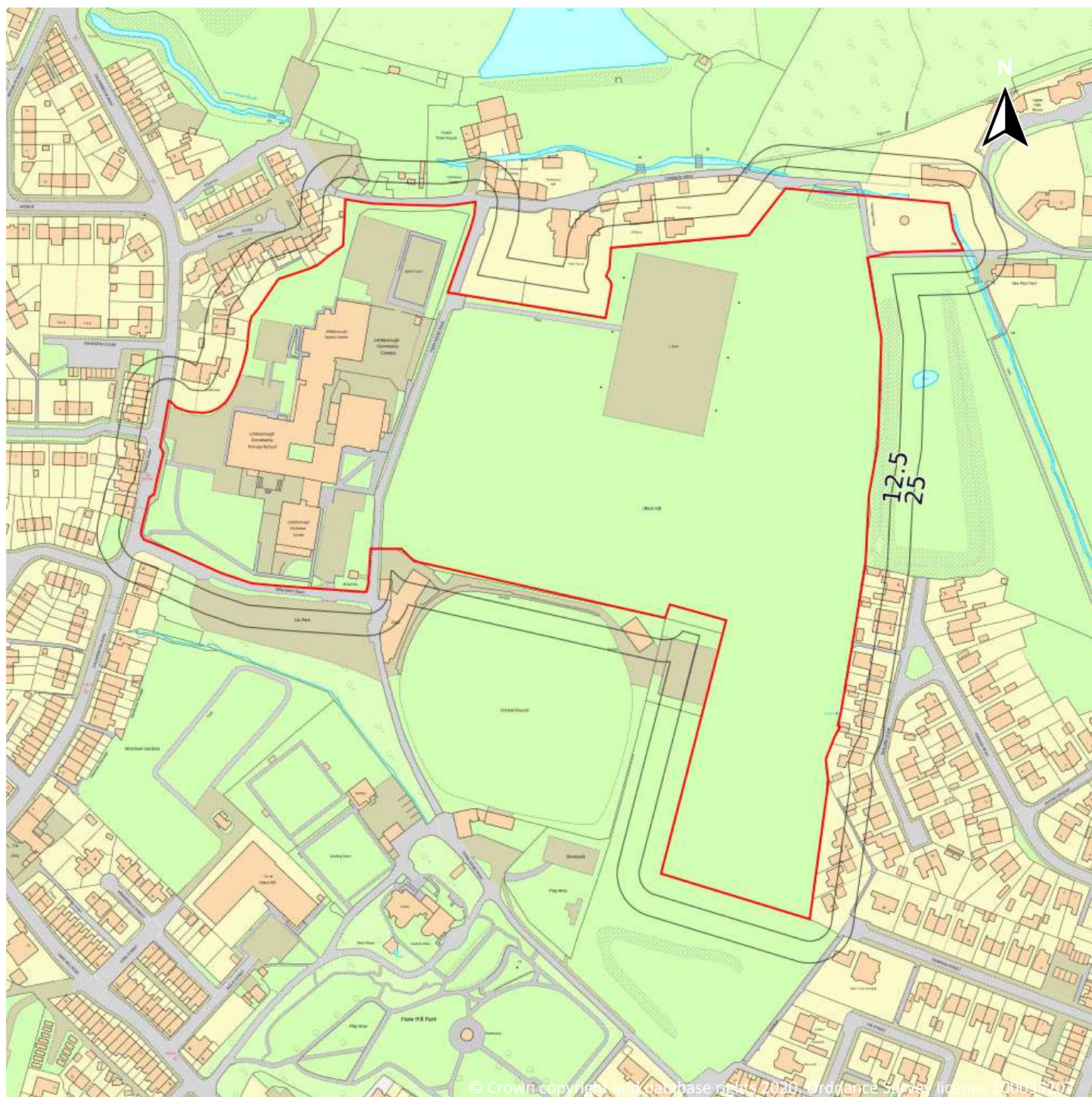
Capture Date: 19/06/2000

Site Area: 8.96ha





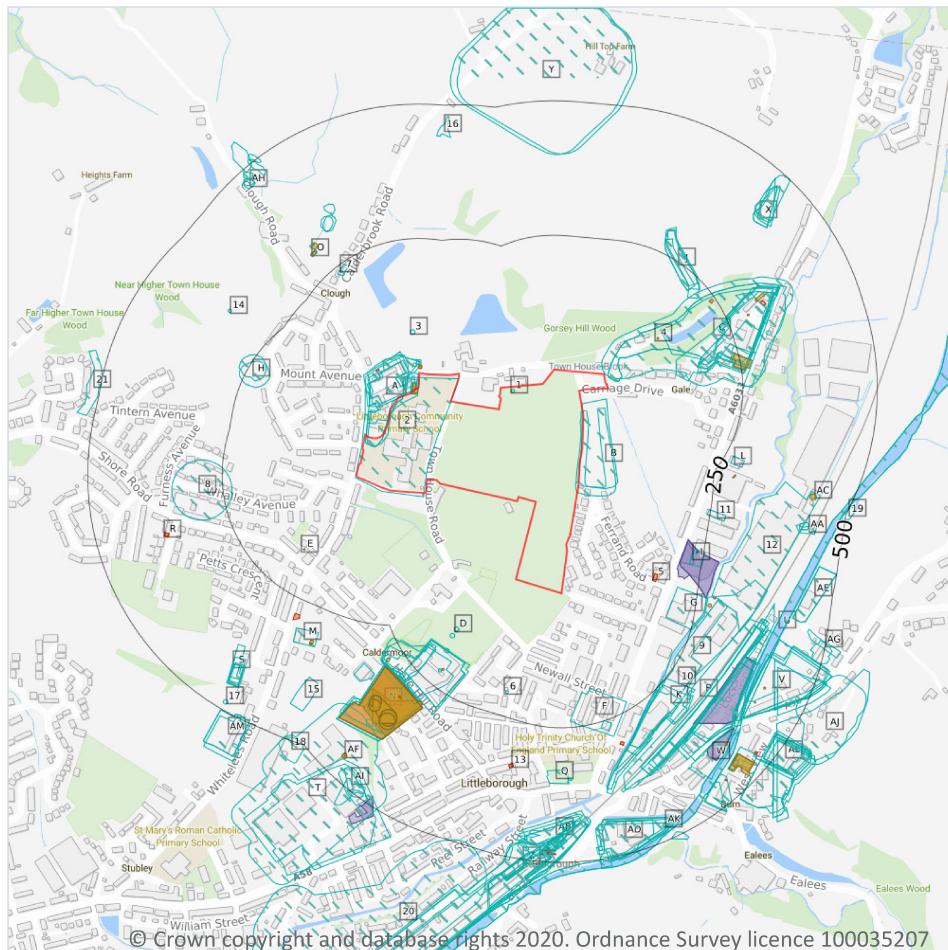
## OS MasterMap site plan



Site Area: 8.96ha



## 1 Past land use



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

### 1.1 Historical industrial land uses

Records within 500m

202

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

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

| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| 1  | On site  | Unspecified Tank | 1938          | 674577   |





| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| 2  | On site  | Cotton Mill                       | 1851          | 725953   |
| A  | On site  | Unspecified Mill                  | 1938          | 711170   |
| A  | On site  | Unspecified Mill                  | 1928          | 717089   |
| A  | On site  | Unspecified Mill                  | 1949          | 725683   |
| A  | On site  | Unspecified Mill                  | 1890          | 764656   |
| A  | On site  | Unspecified Tanks                 | 1928 - 1938   | 771722   |
| A  | On site  | Cotton Mill                       | 1908          | 790004   |
| B  | On site  | Unspecified Heap                  | 1928          | 735210   |
| B  | On site  | Unspecified Heap                  | 1949 - 1989   | 774123   |
| C  | 2m NE    | Print Works                       | 1938          | 701896   |
| A  | 3m NW    | Unspecified Tanks                 | 1949          | 791106   |
| A  | 3m NW    | Unspecified Works                 | 1968 - 1989   | 713551   |
| C  | 7m E     | Print Works                       | 1949          | 725956   |
| C  | 7m E     | Unspecified Commercial/Industrial | 1968          | 726402   |
| A  | 15m NW   | Gasometer                         | 1851          | 655105   |
| A  | 16m N    | Gasometer                         | 1890          | 655103   |
| 3  | 73m N    | Chimney                           | 1968 - 1989   | 727893   |
| C  | 128m E   | Unspecified Commercial/Industrial | 1908          | 790429   |
| C  | 130m NE  | Unspecified Works                 | 1890 - 1892   | 751776   |
| D  | 140m SW  | Unspecified Tank                  | 1968          | 674578   |
| D  | 154m SW  | Unspecified Tank                  | 1908          | 674579   |
| C  | 168m E   | Print Works                       | 1928          | 720302   |
| C  | 171m E   | Print Works                       | 1911          | 694337   |
| D  | 181m SW  | Unspecified Tank                  | 1938          | 674580   |
| D  | 181m SW  | Unspecified Mills                 | 1928 - 1949   | 696731   |
| D  | 182m SW  | Unspecified Mill                  | 1968          | 657123   |
| D  | 182m SW  | Unspecified Commercial/Industrial | 1976 - 1989   | 713683   |
| C  | 182m E   | Print Works                       | 1911          | 726840   |





| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| F  | 184m S   | Unspecified Mill                  | 1890 - 1892   | 735574   |
| D  | 194m SW  | Woollen Mill                      | 1851          | 671025   |
| D  | 194m SW  | Unspecified Mills                 | 1908          | 783870   |
| D  | 198m SW  | Unspecified Mills                 | 1890          | 709441   |
| G  | 200m E   | Unspecified Works                 | 1976          | 776360   |
| 6  | 203m S   | Pump                              | 1851          | 675548   |
| H  | 206m NW  | Unspecified Heap                  | 1928 - 1938   | 697254   |
| C  | 207m E   | Unspecified Mill                  | 1976 - 1989   | 719397   |
| J  | 211m NE  | Cuttings                          | 1911          | 710078   |
| H  | 217m NW  | Unspecified Heap                  | 1949 - 1989   | 751112   |
| D  | 217m SW  | Unspecified Tank                  | 1908          | 674581   |
| J  | 220m NE  | Cuttings                          | 1908          | 716503   |
| J  | 220m NE  | Cuttings                          | 1928 - 1949   | 723690   |
| I  | 227m E   | Garage                            | 1976          | 693859   |
| C  | 228m E   | Print Works                       | 1851          | 749248   |
| J  | 228m NE  | Cuttings                          | 1911          | 731233   |
| 7  | 230m NW  | Unspecified Tank                  | 1938          | 674571   |
| C  | 232m E   | Unspecified Tanks                 | 1928 - 1938   | 774654   |
| 8  | 233m W   | Unspecified Hole                  | 1890          | 658680   |
| 9  | 234m SE  | Unspecified Works                 | 1968          | 750493   |
| C  | 239m E   | Unspecified Tanks                 | 1949          | 781865   |
| 10 | 243m SE  | Unspecified Works                 | 1976 - 1989   | 696541   |
| 11 | 245m E   | Engineering Works                 | 1976          | 659515   |
| K  | 248m SE  | Unspecified Mills                 | 1938 - 1949   | 744018   |
| F  | 249m S   | Police Station                    | 1968          | 680436   |
| C  | 252m E   | Unspecified Commercial/Industrial | 1851          | 643244   |
| K  | 252m SE  | Sawmills                          | 1911          | 765410   |
| K  | 254m SE  | Unspecified Mills                 | 1928          | 769614   |



| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| L  | 264m SE  | Engineering Works                 | 1976          | 659514   |
| D  | 274m SW  | Gasometer                         | 1851          | 655106   |
| 12 | 278m E   | Unspecified Works                 | 1989          | 732665   |
| N  | 284m SW  | Unspecified Commercial/Industrial | 1949          | 775490   |
| N  | 285m SW  | Unspecified Works                 | 1968          | 726782   |
| D  | 285m SW  | Unspecified Tank                  | 1908 - 1928   | 701170   |
| N  | 288m SW  | Gas Works                         | 1890 - 1908   | 767708   |
| N  | 291m SW  | Unspecified Commercial/Industrial | 1938          | 697286   |
| O  | 293m NW  | Unspecified Tank                  | 1928 - 1938   | 762206   |
| M  | 294m SW  | Fire Station                      | 1968 - 1989   | 722386   |
| N  | 298m SW  | Unspecified Commercial/Industrial | 1928          | 700099   |
| P  | 300m SE  | Railway Sidings                   | 1911          | 755652   |
| O  | 307m NW  | Unspecified Tank                  | 1949          | 674570   |
| O  | 311m NW  | Unspecified Pit                   | 1938          | 732704   |
| C  | 311m E   | Gasometer                         | 1851          | 655104   |
| O  | 314m NW  | Unspecified Pit                   | 1908          | 720292   |
| D  | 316m SW  | Telephone Exchange                | 1968 - 1989   | 772007   |
| P  | 326m SE  | Railway Sidings                   | 1908          | 736181   |
| P  | 326m SE  | Railway Sidings                   | 1928          | 773078   |
| Q  | 328m S   | Grave Yard                        | 1851          | 668094   |
| P  | 331m SE  | Railway Sidings                   | 1968          | 735251   |
| P  | 331m SE  | Railway Sidings                   | 1938          | 699596   |
| P  | 332m SE  | Railway Sidings                   | 1949          | 781185   |
| N  | 332m SW  | Unspecified Tank                  | 1949 - 1968   | 694512   |
| N  | 334m SW  | Unspecified Tank                  | 1949 - 1968   | 759203   |
| O  | 335m NW  | Unspecified Pit                   | 1968 - 1989   | 781120   |
| 14 | 338m NW  | Sandstone Quarry                  | 1851          | 687475   |
| N  | 341m SW  | Gasometer                         | 1890 - 1908   | 700725   |



| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| N  | 341m SW  | Unspecified Tank                  | 1938          | 750742   |
| N  | 342m SW  | Gasometer                         | 1890          | 655102   |
| N  | 343m SW  | Unspecified Tank                  | 1938          | 720232   |
| P  | 343m SE  | Unspecified Mill                  | 1911          | 727584   |
| Q  | 344m S   | Unspecified Tank                  | 1851          | 674582   |
| P  | 344m SE  | Unspecified Mill                  | 1890          | 770795   |
| P  | 347m SE  | Unspecified Mill                  | 1938 - 1949   | 705687   |
| P  | 347m SE  | Unspecified Commercial/Industrial | 1928          | 694546   |
| P  | 347m SE  | Unspecified Commercial/Industrial | 1908          | 700679   |
| N  | 348m SW  | Unspecified Tank                  | 1928          | 764525   |
| N  | 349m SW  | Unspecified Tank                  | 1908 - 1928   | 743668   |
| P  | 355m SE  | Unspecified Mill                  | 1892          | 702432   |
| N  | 374m SW  | Unspecified Ground Workings       | 1968          | 647817   |
| 15 | 377m S   | Unspecified Pit                   | 1968          | 690612   |
| S  | 378m SW  | Mineral Water Manufactory         | 1908          | 652967   |
| T  | 381m SW  | Unspecified Works                 | 1989          | 765720   |
| U  | 387m SE  | Disused Canal                     | 1989          | 752921   |
| U  | 387m SE  | Disused Canal                     | 1976          | 754144   |
| V  | 394m SE  | Dock Yard                         | 1851          | 648876   |
| V  | 396m SE  | Iron Foundry                      | 1909 - 1911   | 697139   |
| V  | 398m SE  | Iron Foundry                      | 1949          | 729191   |
| W  | 398m SE  | Unspecified Mill                  | 1890 - 1892   | 785145   |
| S  | 398m SW  | Laundry                           | 1949          | 790076   |
| X  | 399m NE  | Unspecified Pit                   | 1928          | 763035   |
| X  | 399m NE  | Unspecified Old Quarry            | 1908          | 696358   |
| Y  | 400m N   | Colliery                          | 1891          | 713761   |
| Y  | 401m N   | Colliery                          | 1892          | 771053   |
| V  | 404m SE  | Unspecified Depot                 | 1976          | 668790   |

| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| V  | 404m SE  | Unspecified Commercial/Industrial | 1968          | 735627   |
| Z  | 406m S   | Railway Sidings                   | 1938          | 722406   |
| X  | 407m NE  | Unspecified Pit                   | 1938          | 701756   |
| X  | 408m NE  | Unspecified Old Quarry            | 1911          | 726157   |
| S  | 408m SW  | Laundry                           | 1938          | 731509   |
| AA | 412m E   | Unspecified Ground Workings       | 1891          | 774273   |
| S  | 412m SW  | Laundry                           | 1928          | 737488   |
| AB | 412m S   | Unspecified Ground Workings       | 1851 - 1968   | 734545   |
| S  | 412m SW  | Unspecified Foundry               | 1890          | 655324   |
| X  | 413m NE  | Unspecified Pit                   | 1949 - 1989   | 734315   |
| V  | 415m E   | Iron Foundry                      | 1930          | 746705   |
| AB | 416m S   | Unspecified Pit                   | 1890          | 716500   |
| AA | 418m E   | Unspecified Ground Workings       | 1930          | 730831   |
| AA | 418m E   | Unspecified Ground Workings       | 1909          | 735247   |
| AB | 418m S   | Railway Sidings                   | 1911          | 708705   |
| AB | 423m S   | Unspecified Pit                   | 1928          | 711547   |
| AB | 423m S   | Unspecified Pit                   | 1908          | 786786   |
| AB | 424m S   | Unspecified Heap                  | 1938          | 650667   |
| V  | 425m E   | Unspecified Commercial/Industrial | 1891          | 773374   |
| Z  | 426m S   | Railway Sidings                   | 1928          | 721033   |
| AC | 427m SE  | Unspecified Tank                  | 1989          | 674602   |
| AD | 427m S   | Unspecified Mill                  | 1911          | 784797   |
| Z  | 429m S   | Railway Sidings                   | 1908          | 722984   |
| AD | 429m S   | Unspecified Mill                  | 1911 - 1928   | 742153   |
| AD | 432m S   | Unspecified Mill                  | 1890 - 1892   | 762833   |
| Z  | 432m S   | Railway Sidings                   | 1949 - 1968   | 696002   |
| AE | 432m E   | Engineering Works                 | 1976          | 659516   |
| AE | 432m E   | Corporation Yard                  | 1968          | 681771   |





| ID | Location | Land use                          | Dates present | Group ID |
|----|----------|-----------------------------------|---------------|----------|
| AD | 436m S   | Unspecified Mill                  | 1908          | 763073   |
| AD | 437m S   | Unspecified Works                 | 1968          | 678941   |
| W  | 438m SE  | Unspecified Tanks                 | 1949          | 785537   |
| AB | 439m S   | Railway Station                   | 1908 - 1949   | 755520   |
| 16 | 440m N   | Refuse Heap                       | 1931          | 677794   |
| AB | 440m S   | Railway Station                   | 1911          | 728686   |
| W  | 443m SE  | Unspecified Tanks                 | 1938          | 786548   |
| W  | 444m SE  | Unspecified Tanks                 | 1928          | 727066   |
| AB | 445m S   | Railway Station                   | 1989          | 774921   |
| W  | 448m SE  | Refuse Heap                       | 1938 - 1949   | 723917   |
| AB | 448m S   | Railway Station                   | 1968 - 1976   | 735818   |
| W  | 453m SE  | Refuse Heap                       | 1928          | 714610   |
| AB | 454m S   | Railway Station                   | 1890          | 762237   |
| T  | 455m SW  | Unspecified Commercial/Industrial | 1949          | 763690   |
| AB | 457m S   | Railway Station                   | 1892          | 739349   |
| AG | 463m E   | Unspecified Ground Workings       | 1891          | 647858   |
| T  | 463m SW  | Unspecified Mill                  | 1928 - 1938   | 736424   |
| AB | 463m S   | Railway Building                  | 1911          | 769970   |
| AH | 465m NW  | Unspecified Heap                  | 1928          | 745707   |
| AH | 467m NW  | Unspecified Ground Workings       | 1931          | 647834   |
| AI | 467m SW  | Refuse Heap                       | 1949          | 723113   |
| AH | 468m NW  | Unspecified Heap                  | 1938          | 770819   |
| AJ | 468m SE  | Fire Brick and Pipe Works         | 1891          | 789547   |
| AK | 468m SE  | Unspecified Tank                  | 1892          | 674607   |
| Z  | 469m S   | Railway Sidings                   | 1890          | 780778   |
| AB | 469m S   | Railway Building                  | 1938          | 754887   |
| AI | 470m SW  | Refuse Heap                       | 1928          | 700723   |
| AB | 470m S   | Railway Station                   | 1851          | 763598   |



| ID | Location | Land use                             | Dates present | Group ID |
|----|----------|--------------------------------------|---------------|----------|
| AL | 474m SE  | Woollen Mills                        | 1911          | 722381   |
| AG | 475m E   | Refuse Heap                          | 1930 - 1949   | 734392   |
| AL | 476m SE  | Unspecified Mill                     | 1930          | 696332   |
| AL | 476m SE  | Unspecified Mill                     | 1909          | 750042   |
| AL | 476m SE  | Unspecified Mill                     | 1949          | 694120   |
| AH | 477m NW  | Unspecified Heap                     | 1949          | 715901   |
| AB | 477m S   | Railway Sidings                      | 1892          | 711996   |
| AL | 479m SE  | Unspecified Works                    | 1976 - 1989   | 701023   |
| AL | 479m SE  | Unspecified Mill                     | 1968          | 765115   |
| AB | 480m S   | Railway Buildings                    | 1938          | 681638   |
| 17 | 480m SW  | Coal Pit                             | 1851          | 654243   |
| AI | 482m SW  | Unspecified Heap                     | 1968          | 650666   |
| AL | 483m SE  | Bleaching, Dyeing and Chemical Mills | 1911          | 692593   |
| AL | 483m SE  | Bleaching and Dyeing Mills           | 1911          | 652076   |
| AJ | 484m SE  | Fire Brick and Pipe Works            | 1892          | 727413   |
| AL | 485m SE  | Woollen Mill                         | 1892          | 704813   |
| AL | 488m SE  | Woollen Mill                         | 1891          | 787489   |
| AI | 488m SW  | Refuse Heap                          | 1938          | 782494   |
| 18 | 489m S   | Unspecified Pit                      | 1968 - 1976   | 724748   |
| 19 | 490m E   | Wharf                                | 1851          | 679443   |
| AH | 491m NW  | Refuse Heap                          | 1909          | 705909   |
| AH | 492m NW  | Refuse Heap                          | 1968          | 718126   |
| AB | 492m S   | Railway Building                     | 1949          | 670163   |
| AK | 492m SE  | Unspecified Pit                      | 1938          | 690613   |
| AM | 494m SW  | Unspecified Commercial/Industrial    | 1968          | 643242   |
| AM | 494m SW  | Unspecified Mill                     | 1949          | 731068   |
| AB | 494m S   | Railway Building                     | 1949 - 1968   | 764995   |
| 20 | 495m S   | Unspecified Works                    | 1968          | 779166   |



| ID | Location | Land use          | Dates present | Group ID |
|----|----------|-------------------|---------------|----------|
| AB | 496m S   | Railway Buildings | 1911          | 681639   |
| AM | 497m SW  | Unspecified Mill  | 1938          | 754877   |
| AB | 497m S   | Railway Building  | 1911          | 712606   |
| AB | 498m S   | Railway Building  | 1911          | 716019   |
| 21 | 498m W   | Refuse Heap       | 1968 - 1976   | 774346   |

This data is sourced from Ordnance Survey / Groundsure.

## 1.2 Historical tanks

### Records within 500m

45

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

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

| ID       | Location       | Land use         | Dates present      | Group ID     |
|----------|----------------|------------------|--------------------|--------------|
| <b>A</b> | <b>On site</b> | <b>Tanks</b>     | <b>1910 - 1937</b> | <b>88970</b> |
| A        | 8m N           | Gasometer        | 1891               | 78071        |
| 4        | 118m NE        | Unspecified Tank | 1989               | 83996        |
| E        | 166m SW        | Unspecified Tank | 1978               | 88858        |
| E        | 166m SW        | Unspecified Tank | 1970               | 98430        |
| D        | 214m SW        | Unspecified Tank | 1910               | 83997        |
| C        | 236m E         | Tanks            | 1910 - 1937        | 99015        |
| C        | 238m NE        | Unspecified Tank | 1989 - 1995        | 104243       |
| G        | 273m E         | Unspecified Tank | 1983 - 1993        | 92214        |
| D        | 278m SW        | Unspecified Tank | 1891 - 1930        | 102252       |
| L        | 284m SE        | Unspecified Tank | 1983               | 93955        |
| L        | 285m SE        | Unspecified Tank | 1983               | 93209        |
| L        | 285m SE        | Unspecified Tank | 1975               | 97526        |



| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| L  | 285m SE  | Unspecified Tank | 1975          | 100294   |
| N  | 286m SW  | Gas Works        | 1891          | 95506    |
| N  | 287m SW  | Gas Works        | 1965          | 95822    |
| N  | 288m SW  | Gas Works        | 1910          | 100454   |
| C  | 288m E   | Unspecified Tank | 1891          | 83995    |
| O  | 293m NW  | Unspecified Tank | 1910 - 1937   | 103922   |
| O  | 301m NW  | Unspecified Tank | 1960 - 1962   | 101648   |
| N  | 306m SW  | Tanks            | 1910 - 1937   | 89991    |
| M  | 312m SW  | Unspecified Tank | 1959 - 1970   | 91409    |
| C  | 313m NE  | Unspecified Tank | 1910 - 1937   | 99351    |
| M  | 318m SW  | Unspecified Tank | 1978          | 94302    |
| N  | 333m SW  | Tanks            | 1959          | 87603    |
| N  | 335m SW  | Unspecified Tank | 1960          | 88852    |
| N  | 335m SW  | Gasometer        | 1965          | 89976    |
| N  | 335m SW  | Gasometer        | 1965          | 97448    |
| N  | 335m SW  | Unspecified Tank | 1960          | 103887   |
| N  | 341m SW  | Unspecified Tank | 1930 - 1937   | 96881    |
| N  | 341m SW  | Gasometer        | 1891 - 1910   | 99748    |
| N  | 341m SW  | Unspecified Tank | 1930 - 1937   | 98765    |
| N  | 341m SW  | Gasometer        | 1891 - 1910   | 99858    |
| N  | 344m SW  | Unspecified Tank | 1960 - 1970   | 89023    |
| N  | 351m SW  | Unspecified Tank | 1960          | 96868    |
| N  | 351m SW  | Unspecified Tank | 1985          | 94240    |
| V  | 412m SE  | Unspecified Tank | 1962          | 83998    |
| W  | 414m SE  | Unspecified Tank | 1930 - 1937   | 91900    |
| V  | 415m SE  | Unspecified Tank | 1930 - 1937   | 93388    |
| AC | 424m SE  | Unspecified Tank | 1989 - 1993   | 97964    |
| W  | 443m SE  | Filter Tanks     | 1930 - 1937   | 101673   |

| ID | Location | Land use         | Dates present | Group ID |
|----|----------|------------------|---------------|----------|
| W  | 444m SE  | Filter Tanks     | 1910          | 95588    |
| AF | 452m SW  | Unspecified Tank | 1996 - 1999   | 102969   |
| AF | 454m SW  | Unspecified Tank | 1988          | 95131    |
| W  | 461m SE  | Unspecified Tank | 1977 - 1988   | 91679    |

*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 14**

| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| A  | 8m N     | Gasometer              | 1891          | 46123    |
| A  | 62m NW   | Electricity Substation | 1988          | 58638    |
| 5  | 164m E   | Electricity Substation | 1975 - 1993   | 49467    |
| M  | 278m SW  | Electricity Substation | 1970 - 1989   | 49777    |
| G  | 280m E   | Electricity Substation | 1989 - 1993   | 51930    |
| N  | 286m SW  | Gas Works              | 1891          | 52656    |
| N  | 287m SW  | Gas Works              | 1965          | 48366    |
| N  | 288m SW  | Gas Works              | 1910          | 52085    |
| F  | 297m S   | Electricity Substation | 1988 - 1993   | 54313    |
| C  | 319m NE  | Electricity Substation | 1989 - 1995   | 51307    |
| 13 | 329m S   | Electricity Substation | 1988 - 1993   | 52975    |
| N  | 335m SW  | Gasometer              | 1965          | 57809    |
| N  | 335m SW  | Gasometer              | 1965          | 53653    |
| N  | 341m SW  | Gasometer              | 1891 - 1910   | 50604    |





| ID | Location | Land use               | Dates present | Group ID |
|----|----------|------------------------|---------------|----------|
| N  | 341m SW  | Gasometer              | 1891 - 1910   | 57996    |
| R  | 365m W   | Electricity Substation | 1989          | 56531    |
| R  | 365m W   | Electricity Substation | 1970 - 1978   | 57874    |
| W  | 465m SE  | Electricity Substation | 1977          | 50129    |
| W  | 466m SE  | Electricity Substation | 1988          | 56882    |

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

## 1.4 Historical petrol stations

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

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

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

## 1.5 Historical garages

|                            |           |
|----------------------------|-----------|
| <b>Records within 500m</b> | <b>10</b> |
|----------------------------|-----------|

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 14**

| ID | Location | Land use                 | Dates present | Group ID |
|----|----------|--------------------------|---------------|----------|
| I  | 207m E   | Garage                   | 1975          | 16356    |
| I  | 209m E   | Garage                   | 1983 - 1989   | 19796    |
| I  | 210m E   | Garage                   | 1960 - 1962   | 17285    |
| I  | 210m E   | Garage                   | 1993          | 15320    |
| P  | 343m SE  | Vehicle Dismantling Yard | 1983 - 1989   | 17635    |
| P  | 343m SE  | Vehicle Dismantling Yard | 1975 - 1993   | 19549    |

| ID | Location | Land use | Dates present | Group ID |
|----|----------|----------|---------------|----------|
| W  | 396m SE  | Garage   | 1961 - 1988   | 18593    |
| W  | 396m SE  | Garage   | 1962          | 15512    |
| AI | 483m SW  | Garage   | 1988          | 15557    |
| AI | 485m SW  | Garage   | 1996 - 1999   | 19679    |

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

## 1.6 Historical military land

**Records within 500m**

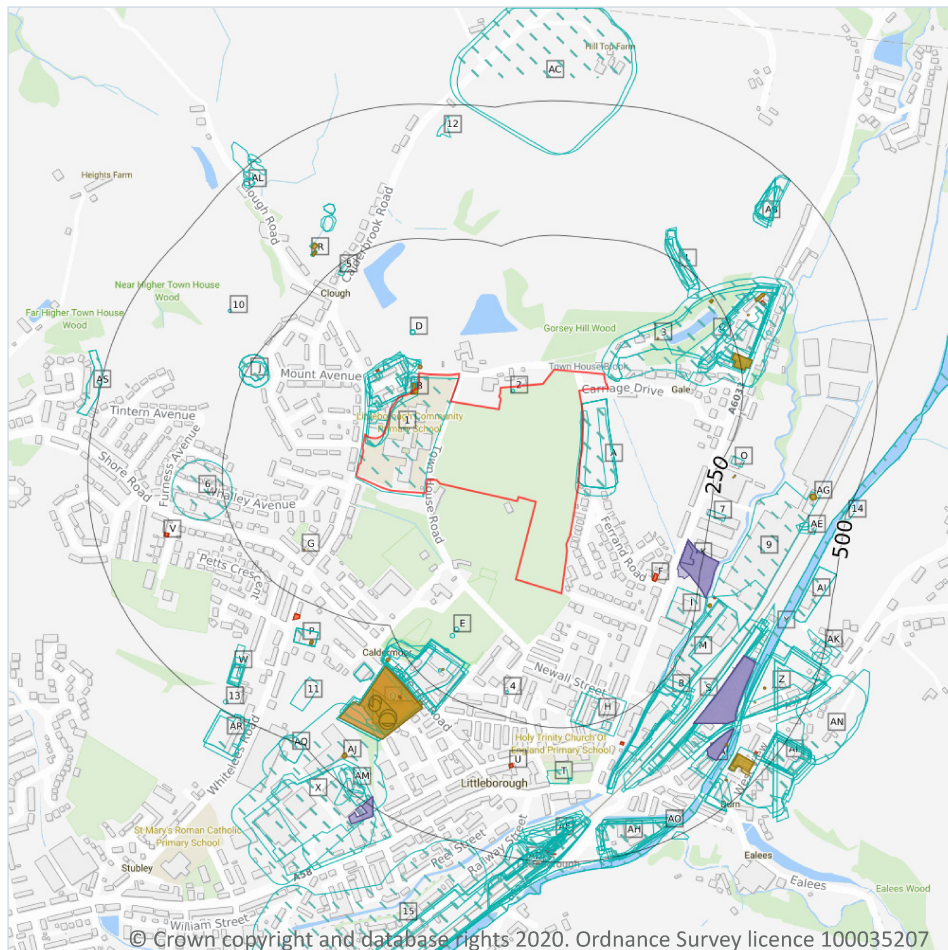
**0**

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



## 2 Past land use - un-grouped



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

### 2.1 Historical industrial land uses

Records within 500m

265

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 27**

| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| 1  | On site  | Cotton Mill      | 1851 | 725953   |
| 2  | On site  | Unspecified Tank | 1938 | 674577   |
| A  | On site  | Unspecified Heap | 1928 | 735210   |

| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| A  | On site  | Unspecified Heap                  | 1989 | 774123   |
| A  | On site  | Unspecified Heap                  | 1976 | 774123   |
| A  | On site  | Unspecified Heap                  | 1949 | 774123   |
| A  | On site  | Unspecified Heap                  | 1968 | 774123   |
| B  | On site  | Unspecified Tanks                 | 1928 | 771722   |
| B  | On site  | Unspecified Mill                  | 1928 | 717089   |
| B  | On site  | Cotton Mill                       | 1908 | 790004   |
| B  | On site  | Unspecified Mill                  | 1949 | 725683   |
| B  | On site  | Unspecified Mill                  | 1938 | 711170   |
| B  | On site  | Unspecified Tanks                 | 1938 | 771722   |
| B  | On site  | Unspecified Mill                  | 1890 | 764656   |
| C  | 2m NE    | Print Works                       | 1938 | 701896   |
| B  | 3m NW    | Unspecified Tanks                 | 1949 | 791106   |
| B  | 3m NW    | Unspecified Works                 | 1989 | 713551   |
| B  | 3m NW    | Unspecified Works                 | 1976 | 713551   |
| B  | 3m NW    | Unspecified Works                 | 1968 | 713551   |
| C  | 7m E     | Print Works                       | 1949 | 725956   |
| C  | 7m E     | Unspecified Commercial/Industrial | 1968 | 726402   |
| B  | 15m NW   | Gasometer                         | 1851 | 655105   |
| B  | 16m N    | Gasometer                         | 1890 | 655103   |
| D  | 73m N    | Chimney                           | 1989 | 727893   |
| D  | 73m N    | Chimney                           | 1976 | 727893   |
| D  | 73m N    | Chimney                           | 1968 | 727893   |
| C  | 128m E   | Unspecified Commercial/Industrial | 1908 | 790429   |
| C  | 130m NE  | Unspecified Works                 | 1890 | 751776   |
| E  | 140m SW  | Unspecified Tank                  | 1968 | 674578   |
| E  | 154m SW  | Unspecified Tank                  | 1908 | 674579   |
| C  | 168m E   | Print Works                       | 1928 | 720302   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| C  | 171m E   | Print Works                       | 1911 | 694337   |
| E  | 181m SW  | Unspecified Tank                  | 1938 | 674580   |
| E  | 181m SW  | Unspecified Mills                 | 1949 | 696731   |
| E  | 182m SW  | Unspecified Commercial/Industrial | 1989 | 713683   |
| E  | 182m SW  | Unspecified Commercial/Industrial | 1976 | 713683   |
| E  | 182m SW  | Unspecified Mill                  | 1968 | 657123   |
| C  | 182m E   | Print Works                       | 1911 | 726840   |
| H  | 184m S   | Unspecified Mill                  | 1892 | 735574   |
| H  | 188m S   | Unspecified Mill                  | 1890 | 735574   |
| E  | 191m SW  | Unspecified Mills                 | 1938 | 696731   |
| E  | 194m SW  | Woollen Mill                      | 1851 | 671025   |
| E  | 194m SW  | Unspecified Mills                 | 1908 | 783870   |
| E  | 195m SW  | Unspecified Mills                 | 1928 | 696731   |
| E  | 198m SW  | Unspecified Mills                 | 1890 | 709441   |
| I  | 200m E   | Unspecified Works                 | 1976 | 776360   |
| 4  | 203m S   | Pump                              | 1851 | 675548   |
| J  | 206m NW  | Unspecified Heap                  | 1938 | 697254   |
| C  | 207m E   | Unspecified Mill                  | 1989 | 719397   |
| C  | 207m E   | Unspecified Mill                  | 1976 | 719397   |
| J  | 208m NW  | Unspecified Heap                  | 1928 | 697254   |
| L  | 211m NE  | Cuttings                          | 1911 | 710078   |
| J  | 217m NW  | Unspecified Heap                  | 1989 | 751112   |
| J  | 217m NW  | Unspecified Heap                  | 1976 | 751112   |
| J  | 217m NW  | Unspecified Heap                  | 1949 | 751112   |
| J  | 217m NW  | Unspecified Heap                  | 1968 | 751112   |
| E  | 217m SW  | Unspecified Tank                  | 1908 | 674581   |
| L  | 220m NE  | Cuttings                          | 1928 | 723690   |
| L  | 220m NE  | Cuttings                          | 1908 | 716503   |





| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| L  | 226m NE  | Cuttings                          | 1938 | 723690   |
| K  | 227m E   | Garage                            | 1976 | 693859   |
| C  | 228m E   | Print Works                       | 1851 | 749248   |
| L  | 228m NE  | Cuttings                          | 1911 | 731233   |
| 5  | 230m NW  | Unspecified Tank                  | 1938 | 674571   |
| C  | 232m E   | Unspecified Tanks                 | 1928 | 774654   |
| C  | 233m E   | Unspecified Works                 | 1892 | 751776   |
| 6  | 233m W   | Unspecified Hole                  | 1890 | 658680   |
| M  | 234m SE  | Unspecified Works                 | 1968 | 750493   |
| C  | 235m E   | Unspecified Tanks                 | 1938 | 774654   |
| L  | 236m NE  | Cuttings                          | 1949 | 723690   |
| C  | 239m E   | Unspecified Tanks                 | 1949 | 781865   |
| M  | 243m SE  | Unspecified Works                 | 1989 | 696541   |
| 7  | 245m E   | Engineering Works                 | 1976 | 659515   |
| 8  | 246m SE  | Unspecified Works                 | 1976 | 696541   |
| N  | 248m SE  | Unspecified Mills                 | 1949 | 744018   |
| H  | 249m S   | Police Station                    | 1968 | 680436   |
| C  | 252m E   | Unspecified Commercial/Industrial | 1851 | 643244   |
| N  | 252m SE  | Sawmills                          | 1911 | 765410   |
| N  | 253m SE  | Sawmills                          | 1911 | 765410   |
| N  | 254m SE  | Unspecified Mills                 | 1928 | 769614   |
| N  | 255m SE  | Unspecified Mills                 | 1938 | 744018   |
| O  | 264m SE  | Engineering Works                 | 1976 | 659514   |
| E  | 274m SW  | Gasometer                         | 1851 | 655106   |
| 9  | 278m E   | Unspecified Works                 | 1989 | 732665   |
| Q  | 284m SW  | Unspecified Commercial/Industrial | 1949 | 775490   |
| Q  | 285m SW  | Unspecified Works                 | 1968 | 726782   |
| E  | 285m SW  | Unspecified Tank                  | 1928 | 701170   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| E  | 285m SW  | Unspecified Tank                  | 1908 | 701170   |
| Q  | 288m SW  | Gas Works                         | 1890 | 767708   |
| Q  | 291m SW  | Unspecified Commercial/Industrial | 1938 | 697286   |
| R  | 293m NW  | Unspecified Tank                  | 1938 | 762206   |
| P  | 294m SW  | Fire Station                      | 1989 | 722386   |
| P  | 294m SW  | Fire Station                      | 1976 | 722386   |
| P  | 294m SW  | Fire Station                      | 1968 | 722386   |
| R  | 294m NW  | Unspecified Tank                  | 1928 | 762206   |
| Q  | 298m SW  | Unspecified Commercial/Industrial | 1928 | 700099   |
| Q  | 298m SW  | Gas Works                         | 1908 | 767708   |
| S  | 300m SE  | Railway Sidings                   | 1911 | 755652   |
| R  | 307m NW  | Unspecified Tank                  | 1949 | 674570   |
| R  | 311m NW  | Unspecified Pit                   | 1938 | 732704   |
| C  | 311m E   | Gasometer                         | 1851 | 655104   |
| R  | 314m NW  | Unspecified Pit                   | 1908 | 720292   |
| E  | 316m SW  | Telephone Exchange                | 1989 | 772007   |
| E  | 316m SW  | Telephone Exchange                | 1976 | 772007   |
| E  | 316m SW  | Telephone Exchange                | 1968 | 772007   |
| S  | 326m SE  | Railway Sidings                   | 1928 | 773078   |
| S  | 326m SE  | Railway Sidings                   | 1908 | 736181   |
| T  | 328m S   | Grave Yard                        | 1851 | 668094   |
| S  | 331m SE  | Railway Sidings                   | 1968 | 735251   |
| S  | 331m SE  | Railway Sidings                   | 1938 | 699596   |
| S  | 332m SE  | Railway Sidings                   | 1949 | 781185   |
| Q  | 332m SW  | Unspecified Tank                  | 1949 | 694512   |
| Q  | 332m SW  | Unspecified Tank                  | 1968 | 694512   |
| Q  | 334m SW  | Unspecified Tank                  | 1949 | 759203   |
| Q  | 334m SW  | Unspecified Tank                  | 1968 | 759203   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| R  | 335m NW  | Unspecified Pit                   | 1989 | 781120   |
| R  | 335m NW  | Unspecified Pit                   | 1976 | 781120   |
| R  | 335m NW  | Unspecified Pit                   | 1968 | 781120   |
| 10 | 338m NW  | Sandstone Quarry                  | 1851 | 687475   |
| Q  | 341m SW  | Gasometer                         | 1890 | 700725   |
| Q  | 341m SW  | Unspecified Tank                  | 1938 | 750742   |
| Q  | 342m SW  | Gasometer                         | 1890 | 655102   |
| Q  | 343m SW  | Unspecified Tank                  | 1938 | 720232   |
| S  | 343m SE  | Unspecified Mill                  | 1911 | 727584   |
| T  | 344m S   | Unspecified Tank                  | 1851 | 674582   |
| S  | 344m SE  | Unspecified Mill                  | 1890 | 770795   |
| S  | 345m SE  | Unspecified Mill                  | 1911 | 727584   |
| S  | 347m SE  | Unspecified Mill                  | 1949 | 705687   |
| S  | 347m SE  | Unspecified Mill                  | 1938 | 705687   |
| S  | 347m SE  | Unspecified Commercial/Industrial | 1928 | 694546   |
| S  | 347m SE  | Unspecified Commercial/Industrial | 1908 | 700679   |
| Q  | 348m SW  | Gasometer                         | 1908 | 700725   |
| Q  | 348m SW  | Unspecified Tank                  | 1928 | 764525   |
| Q  | 349m SW  | Unspecified Tank                  | 1928 | 743668   |
| Q  | 349m SW  | Unspecified Tank                  | 1908 | 743668   |
| S  | 355m SE  | Unspecified Mill                  | 1892 | 702432   |
| Q  | 374m SW  | Unspecified Ground Workings       | 1968 | 647817   |
| 11 | 377m S   | Unspecified Pit                   | 1968 | 690612   |
| W  | 378m SW  | Mineral Water Manufactory         | 1908 | 652967   |
| X  | 381m SW  | Unspecified Works                 | 1989 | 765720   |
| Y  | 387m SE  | Disused Canal                     | 1989 | 752921   |
| Y  | 387m SE  | Disused Canal                     | 1976 | 754144   |
| Z  | 394m SE  | Dock Yard                         | 1851 | 648876   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| Z  | 396m SE  | Iron Foundry                      | 1911 | 697139   |
| Z  | 398m SE  | Iron Foundry                      | 1949 | 729191   |
| AA | 398m SE  | Unspecified Mill                  | 1890 | 785145   |
| W  | 398m SW  | Laundry                           | 1949 | 790076   |
| AB | 399m NE  | Unspecified Pit                   | 1928 | 763035   |
| AB | 399m NE  | Unspecified Old Quarry            | 1908 | 696358   |
| AC | 400m N   | Colliery                          | 1891 | 713761   |
| AC | 401m N   | Colliery                          | 1892 | 771053   |
| Z  | 404m SE  | Unspecified Depot                 | 1976 | 668790   |
| Z  | 404m SE  | Unspecified Commercial/Industrial | 1968 | 735627   |
| AD | 406m S   | Railway Sidings                   | 1938 | 722406   |
| AB | 407m NE  | Unspecified Pit                   | 1938 | 701756   |
| AA | 408m SE  | Unspecified Mill                  | 1892 | 785145   |
| AB | 408m NE  | Unspecified Old Quarry            | 1911 | 726157   |
| W  | 408m SW  | Laundry                           | 1938 | 731509   |
| AB | 410m NE  | Unspecified Old Quarry            | 1911 | 726157   |
| AE | 412m E   | Unspecified Ground Workings       | 1891 | 774273   |
| W  | 412m SW  | Laundry                           | 1928 | 737488   |
| AF | 412m S   | Unspecified Ground Workings       | 1851 | 734545   |
| W  | 412m SW  | Unspecified Foundry               | 1890 | 655324   |
| AB | 413m NE  | Unspecified Pit                   | 1989 | 734315   |
| AB | 413m NE  | Unspecified Pit                   | 1976 | 734315   |
| AB | 413m NE  | Unspecified Pit                   | 1949 | 734315   |
| AB | 413m NE  | Unspecified Pit                   | 1968 | 734315   |
| Z  | 415m E   | Iron Foundry                      | 1930 | 746705   |
| Z  | 415m E   | Iron Foundry                      | 1909 | 697139   |
| AF | 416m S   | Unspecified Pit                   | 1890 | 716500   |
| AF | 417m S   | Unspecified Ground Workings       | 1968 | 734545   |

| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| AE | 418m E   | Unspecified Ground Workings       | 1930 | 730831   |
| AE | 418m E   | Unspecified Ground Workings       | 1909 | 735247   |
| AF | 418m S   | Railway Sidings                   | 1911 | 708705   |
| AF | 422m S   | Railway Sidings                   | 1911 | 708705   |
| AF | 423m S   | Unspecified Pit                   | 1928 | 711547   |
| AF | 423m S   | Unspecified Pit                   | 1908 | 786786   |
| AF | 424m S   | Unspecified Heap                  | 1938 | 650667   |
| Z  | 425m E   | Unspecified Commercial/Industrial | 1891 | 773374   |
| AD | 426m S   | Railway Sidings                   | 1928 | 721033   |
| AG | 427m SE  | Unspecified Tank                  | 1989 | 674602   |
| AH | 427m S   | Unspecified Mill                  | 1911 | 784797   |
| AD | 429m S   | Railway Sidings                   | 1908 | 722984   |
| AH | 429m S   | Unspecified Mill                  | 1911 | 742153   |
| AH | 432m S   | Unspecified Mill                  | 1890 | 762833   |
| AD | 432m S   | Railway Sidings                   | 1949 | 696002   |
| AD | 432m S   | Railway Sidings                   | 1968 | 696002   |
| AI | 432m E   | Engineering Works                 | 1976 | 659516   |
| AI | 432m E   | Corporation Yard                  | 1968 | 681771   |
| AH | 434m S   | Unspecified Mill                  | 1928 | 742153   |
| AH | 435m S   | Unspecified Mill                  | 1892 | 762833   |
| AH | 436m S   | Unspecified Mill                  | 1908 | 763073   |
| AH | 437m S   | Unspecified Works                 | 1968 | 678941   |
| AA | 438m SE  | Unspecified Tanks                 | 1949 | 785537   |
| AF | 439m S   | Railway Station                   | 1949 | 755520   |
| AF | 439m S   | Railway Station                   | 1911 | 755520   |
| 12 | 440m N   | Refuse Heap                       | 1931 | 677794   |
| AF | 440m S   | Railway Station                   | 1911 | 728686   |
| AA | 443m SE  | Unspecified Tanks                 | 1938 | 786548   |





| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| AA | 444m SE  | Unspecified Tanks                 | 1928 | 727066   |
| AF | 445m S   | Railway Station                   | 1989 | 774921   |
| AF | 447m S   | Railway Station                   | 1938 | 755520   |
| AA | 448m SE  | Refuse Heap                       | 1949 | 723917   |
| AF | 448m S   | Railway Station                   | 1976 | 735818   |
| AF | 448m S   | Railway Station                   | 1968 | 735818   |
| AF | 451m S   | Railway Station                   | 1928 | 755520   |
| AF | 451m S   | Railway Station                   | 1908 | 755520   |
| AA | 453m SE  | Refuse Heap                       | 1938 | 723917   |
| AA | 453m SE  | Refuse Heap                       | 1928 | 714610   |
| AF | 454m S   | Railway Station                   | 1890 | 762237   |
| X  | 455m SW  | Unspecified Commercial/Industrial | 1949 | 763690   |
| AF | 457m S   | Railway Station                   | 1892 | 739349   |
| AK | 463m E   | Unspecified Ground Workings       | 1891 | 647858   |
| X  | 463m SW  | Unspecified Mill                  | 1938 | 736424   |
| AF | 463m S   | Railway Building                  | 1911 | 769970   |
| AL | 465m NW  | Unspecified Heap                  | 1928 | 745707   |
| AL | 467m NW  | Unspecified Ground Workings       | 1931 | 647834   |
| AM | 467m SW  | Refuse Heap                       | 1949 | 723113   |
| AL | 468m NW  | Unspecified Heap                  | 1938 | 770819   |
| AN | 468m SE  | Fire Brick and Pipe Works         | 1891 | 789547   |
| AO | 468m SE  | Unspecified Tank                  | 1892 | 674607   |
| AD | 469m S   | Railway Sidings                   | 1890 | 780778   |
| AF | 469m S   | Railway Building                  | 1938 | 754887   |
| AM | 470m SW  | Refuse Heap                       | 1928 | 700723   |
| AF | 470m S   | Railway Station                   | 1851 | 763598   |
| AP | 474m SE  | Woollen Mills                     | 1911 | 722381   |
| AP | 474m SE  | Woollen Mills                     | 1911 | 722381   |



| ID | Location | Land Use                             | Date | Group ID |
|----|----------|--------------------------------------|------|----------|
| AK | 475m E   | Refuse Heap                          | 1949 | 734392   |
| AP | 476m SE  | Unspecified Mill                     | 1930 | 696332   |
| AP | 476m SE  | Unspecified Mill                     | 1909 | 750042   |
| AP | 476m SE  | Unspecified Mill                     | 1949 | 694120   |
| AL | 477m NW  | Unspecified Heap                     | 1949 | 715901   |
| AF | 477m S   | Railway Sidings                      | 1892 | 711996   |
| AP | 479m SE  | Unspecified Works                    | 1989 | 701023   |
| AP | 479m SE  | Unspecified Works                    | 1976 | 701023   |
| AP | 479m SE  | Unspecified Mill                     | 1968 | 765115   |
| AF | 480m S   | Railway Buildings                    | 1938 | 681638   |
| 13 | 480m SW  | Coal Pit                             | 1851 | 654243   |
| AK | 480m E   | Refuse Heap                          | 1930 | 734392   |
| AM | 482m SW  | Unspecified Heap                     | 1968 | 650666   |
| AP | 483m SE  | Bleaching, Dyeing and Chemical Mills | 1911 | 692593   |
| AP | 483m SE  | Bleaching and Dyeing Mills           | 1911 | 652076   |
| AN | 484m SE  | Fire Brick and Pipe Works            | 1892 | 727413   |
| AP | 485m SE  | Woollen Mill                         | 1892 | 704813   |
| AP | 488m SE  | Woollen Mill                         | 1891 | 787489   |
| AM | 488m SW  | Refuse Heap                          | 1938 | 782494   |
| AQ | 489m S   | Unspecified Pit                      | 1976 | 724748   |
| AQ | 489m S   | Unspecified Pit                      | 1968 | 724748   |
| 14 | 490m E   | Wharf                                | 1851 | 679443   |
| X  | 490m SW  | Unspecified Mill                     | 1928 | 736424   |
| AL | 491m NW  | Refuse Heap                          | 1909 | 705909   |
| AL | 492m NW  | Refuse Heap                          | 1968 | 718126   |
| AF | 492m S   | Railway Building                     | 1949 | 670163   |
| AO | 492m SE  | Unspecified Pit                      | 1938 | 690613   |
| AR | 494m SW  | Unspecified Mill                     | 1949 | 731068   |



| ID | Location | Land Use                          | Date | Group ID |
|----|----------|-----------------------------------|------|----------|
| AR | 494m SW  | Unspecified Commercial/Industrial | 1968 | 643242   |
| AF | 494m S   | Railway Building                  | 1949 | 764995   |
| 15 | 495m S   | Unspecified Works                 | 1968 | 779166   |
| AF | 496m S   | Railway Buildings                 | 1911 | 681639   |
| AR | 497m SW  | Unspecified Mill                  | 1938 | 754877   |
| AF | 497m S   | Railway Building                  | 1911 | 712606   |
| AF | 498m S   | Railway Building                  | 1911 | 716019   |
| AF | 498m S   | Railway Building                  | 1968 | 764995   |
| AS | 498m W   | Refuse Heap                       | 1976 | 774346   |
| AS | 498m W   | Refuse Heap                       | 1968 | 774346   |

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

## 2.2 Historical tanks

### Records within 500m

77

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 27**

| ID       | Location       | Land Use         | Date        | Group ID     |
|----------|----------------|------------------|-------------|--------------|
| <b>B</b> | <b>On site</b> | <b>Tanks</b>     | <b>1910</b> | <b>88970</b> |
| <b>B</b> | <b>On site</b> | <b>Tanks</b>     | <b>1930</b> | <b>88970</b> |
| <b>B</b> | <b>On site</b> | <b>Tanks</b>     | <b>1937</b> | <b>88970</b> |
| B        | 8m N           | Gasometer        | 1891        | 78071        |
| 3        | 118m NE        | Unspecified Tank | 1989        | 83996        |
| G        | 166m SW        | Unspecified Tank | 1978        | 88858        |
| G        | 166m SW        | Unspecified Tank | 1970        | 98430        |
| E        | 214m SW        | Unspecified Tank | 1910        | 83997        |
| C        | 236m E         | Tanks            | 1910        | 99015        |
| C        | 236m E         | Tanks            | 1930        | 99015        |



| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| C  | 236m E   | Tanks            | 1937 | 99015    |
| C  | 238m NE  | Unspecified Tank | 1995 | 104243   |
| C  | 238m NE  | Unspecified Tank | 1989 | 104243   |
| I  | 273m E   | Unspecified Tank | 1983 | 92214    |
| I  | 273m E   | Unspecified Tank | 1989 | 92214    |
| I  | 273m E   | Unspecified Tank | 1989 | 92214    |
| I  | 274m E   | Unspecified Tank | 1993 | 92214    |
| E  | 278m SW  | Unspecified Tank | 1891 | 102252   |
| E  | 278m SW  | Unspecified Tank | 1910 | 102252   |
| E  | 278m SW  | Unspecified Tank | 1930 | 102252   |
| O  | 284m SE  | Unspecified Tank | 1983 | 93955    |
| O  | 285m SE  | Unspecified Tank | 1983 | 93209    |
| O  | 285m SE  | Unspecified Tank | 1975 | 97526    |
| O  | 285m SE  | Unspecified Tank | 1975 | 100294   |
| Q  | 286m SW  | Gas Works        | 1891 | 95506    |
| Q  | 287m SW  | Gas Works        | 1965 | 95822    |
| Q  | 288m SW  | Gas Works        | 1910 | 100454   |
| C  | 288m E   | Unspecified Tank | 1891 | 83995    |
| R  | 293m NW  | Unspecified Tank | 1910 | 103922   |
| R  | 293m NW  | Unspecified Tank | 1930 | 103922   |
| R  | 293m NW  | Unspecified Tank | 1937 | 103922   |
| R  | 301m NW  | Unspecified Tank | 1962 | 101648   |
| R  | 301m NW  | Unspecified Tank | 1960 | 101648   |
| Q  | 306m SW  | Tanks            | 1910 | 89991    |
| Q  | 306m SW  | Tanks            | 1930 | 89991    |
| Q  | 306m SW  | Tanks            | 1937 | 89991    |
| P  | 312m SW  | Unspecified Tank | 1959 | 91409    |
| P  | 313m SW  | Unspecified Tank | 1970 | 91409    |

| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| P  | 313m SW  | Unspecified Tank | 1960 | 91409    |
| C  | 313m NE  | Unspecified Tank | 1910 | 99351    |
| C  | 313m NE  | Unspecified Tank | 1930 | 99351    |
| C  | 313m NE  | Unspecified Tank | 1937 | 99351    |
| P  | 318m SW  | Unspecified Tank | 1978 | 94302    |
| Q  | 333m SW  | Tanks            | 1959 | 87603    |
| Q  | 335m SW  | Unspecified Tank | 1960 | 88852    |
| Q  | 335m SW  | Gasometer        | 1965 | 89976    |
| Q  | 335m SW  | Unspecified Tank | 1960 | 103887   |
| Q  | 335m SW  | Gasometer        | 1965 | 97448    |
| Q  | 341m SW  | Gasometer        | 1891 | 99748    |
| Q  | 341m SW  | Gasometer        | 1910 | 99748    |
| Q  | 341m SW  | Unspecified Tank | 1930 | 96881    |
| Q  | 341m SW  | Unspecified Tank | 1937 | 96881    |
| Q  | 341m SW  | Gasometer        | 1891 | 99858    |
| Q  | 341m SW  | Gasometer        | 1910 | 99858    |
| Q  | 341m SW  | Unspecified Tank | 1930 | 98765    |
| Q  | 341m SW  | Unspecified Tank | 1937 | 98765    |
| Q  | 344m SW  | Unspecified Tank | 1970 | 89023    |
| Q  | 344m SW  | Unspecified Tank | 1960 | 89023    |
| Q  | 351m SW  | Unspecified Tank | 1960 | 96868    |
| Q  | 351m SW  | Unspecified Tank | 1985 | 94240    |
| Z  | 412m SE  | Unspecified Tank | 1962 | 83998    |
| AA | 414m SE  | Unspecified Tank | 1930 | 91900    |
| AA | 414m SE  | Unspecified Tank | 1937 | 91900    |
| Z  | 415m SE  | Unspecified Tank | 1930 | 93388    |
| Z  | 415m SE  | Unspecified Tank | 1937 | 93388    |
| AG | 424m SE  | Unspecified Tank | 1993 | 97964    |





| ID | Location | Land Use         | Date | Group ID |
|----|----------|------------------|------|----------|
| AG | 426m SE  | Unspecified Tank | 1989 | 97964    |
| AG | 426m SE  | Unspecified Tank | 1989 | 97964    |
| AA | 443m SE  | Filter Tanks     | 1930 | 101673   |
| AA | 443m SE  | Filter Tanks     | 1937 | 101673   |
| AA | 444m SE  | Filter Tanks     | 1910 | 95588    |
| AJ | 452m SW  | Unspecified Tank | 1996 | 102969   |
| AJ | 452m SW  | Unspecified Tank | 1999 | 102969   |
| AJ | 454m SW  | Unspecified Tank | 1988 | 95131    |
| AA | 461m SE  | Unspecified Tank | 1977 | 91679    |
| AA | 462m SE  | Unspecified Tank | 1988 | 91679    |
| AA | 462m SE  | Unspecified Tank | 1988 | 91679    |

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

## 2.3 Historical energy features

### Records within 500m

35

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 27**

| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| B  | 8m N     | Gasometer              | 1891 | 46123    |
| B  | 62m NW   | Electricity Substation | 1988 | 58638    |
| B  | 62m NW   | Electricity Substation | 1988 | 58638    |
| F  | 164m E   | Electricity Substation | 1975 | 49467    |
| F  | 165m E   | Electricity Substation | 1993 | 49467    |
| F  | 165m E   | Electricity Substation | 1983 | 49467    |
| F  | 165m E   | Electricity Substation | 1989 | 49467    |
| F  | 165m E   | Electricity Substation | 1989 | 49467    |
| P  | 278m SW  | Electricity Substation | 1989 | 49777    |



| ID | Location | Land Use               | Date | Group ID |
|----|----------|------------------------|------|----------|
| P  | 278m SW  | Electricity Substation | 1978 | 49777    |
| P  | 279m SW  | Electricity Substation | 1970 | 49777    |
| I  | 280m E   | Electricity Substation | 1993 | 51930    |
| I  | 281m E   | Electricity Substation | 1989 | 51930    |
| I  | 281m E   | Electricity Substation | 1989 | 51930    |
| Q  | 286m SW  | Gas Works              | 1891 | 52656    |
| Q  | 287m SW  | Gas Works              | 1965 | 48366    |
| Q  | 288m SW  | Gas Works              | 1910 | 52085    |
| H  | 297m S   | Electricity Substation | 1993 | 54313    |
| H  | 298m S   | Electricity Substation | 1988 | 54313    |
| C  | 319m NE  | Electricity Substation | 1989 | 51307    |
| C  | 320m NE  | Electricity Substation | 1995 | 51307    |
| U  | 329m S   | Electricity Substation | 1993 | 52975    |
| U  | 330m S   | Electricity Substation | 1988 | 52975    |
| Q  | 335m SW  | Gasometer              | 1965 | 57809    |
| Q  | 335m SW  | Gasometer              | 1965 | 53653    |
| Q  | 341m SW  | Gasometer              | 1891 | 50604    |
| Q  | 341m SW  | Gasometer              | 1910 | 50604    |
| Q  | 341m SW  | Gasometer              | 1891 | 57996    |
| Q  | 341m SW  | Gasometer              | 1910 | 57996    |
| V  | 365m W   | Electricity Substation | 1989 | 56531    |
| V  | 365m W   | Electricity Substation | 1978 | 57874    |
| V  | 366m W   | Electricity Substation | 1970 | 57874    |
| AA | 465m SE  | Electricity Substation | 1977 | 50129    |
| AA | 466m SE  | Electricity Substation | 1988 | 56882    |
| AA | 466m SE  | Electricity Substation | 1988 | 56882    |

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



## 2.4 Historical petrol stations

Records within 500m

0

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

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

## 2.5 Historical garages

Records within 500m

20

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 27**

| ID | Location | Land Use                 | Date | Group ID |
|----|----------|--------------------------|------|----------|
| K  | 207m E   | Garage                   | 1975 | 16356    |
| K  | 209m E   | Garage                   | 1983 | 19796    |
| K  | 209m E   | Garage                   | 1989 | 19796    |
| K  | 209m E   | Garage                   | 1989 | 19796    |
| K  | 210m E   | Garage                   | 1960 | 17285    |
| K  | 210m E   | Garage                   | 1993 | 15320    |
| K  | 210m E   | Garage                   | 1962 | 17285    |
| S  | 343m SE  | Vehicle Dismantling Yard | 1983 | 17635    |
| S  | 343m SE  | Vehicle Dismantling Yard | 1989 | 17635    |
| S  | 343m SE  | Vehicle Dismantling Yard | 1989 | 17635    |
| S  | 343m SE  | Vehicle Dismantling Yard | 1993 | 19549    |
| S  | 344m SE  | Vehicle Dismantling Yard | 1975 | 19549    |
| AA | 396m SE  | Garage                   | 1988 | 18593    |
| AA | 396m SE  | Garage                   | 1988 | 18593    |
| AA | 396m SE  | Garage                   | 1962 | 15512    |
| AA | 397m SE  | Garage                   | 1961 | 18593    |



| ID | Location | Land Use | Date | Group ID |
|----|----------|----------|------|----------|
| AA | 397m SE  | Garage   | 1977 | 18593    |
| AM | 483m SW  | Garage   | 1988 | 15557    |
| AM | 485m SW  | Garage   | 1999 | 19679    |
| AM | 485m SW  | Garage   | 1996 | 19679    |

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



## 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Historical landfill (BGS)
- Historical landfill (LA/OS)
- Historical waste sites
- Waste exemptions

### 3.1 Active or recent landfill

Records within 500m

0

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

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

### 3.2 Historical landfill (BGS records)

Records within 500m

1

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

Features are displayed on the Waste and landfill map on **page 44**

| ID | Location | Address                                 | BGS Number | Risk               | Waste Type |
|----|----------|-----------------------------------------|------------|--------------------|------------|
| B  | 489m W   | Share Mill, Shane, Littleborough, Lancs | 503        | No risk to aquifer | N/A        |

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

### 3.3 Historical landfill (LA/mapping records)

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>1</b> |
|----------------------------|----------|

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

Features are displayed on the Waste and landfill map on **page 44**

| ID | Location | Site address | Source       | Data type |
|----|----------|--------------|--------------|-----------|
| B  | 500m W   | Refuse Tip   | 1962 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>5</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 44**

| ID | Location | Details                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |                                                                                                                        |
|----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1  | On site  | <b>Site Address:</b> Calderbrook Industrial Works, Off Calderbrook Road, Littleborough, Greater Manchester<br><b>Licence Holder Address:</b> Calderbrook Road, Littleborough, Lancashire | <b>Waste Licence:</b> Yes<br><b>Site Reference:</b> GDO D019, RD/LIC/393/85, 3985<br><b>Waste Type:</b> Inert, Industrial, Commercial, Household<br><b>Environmental Permitting Regulations (Waste) Reference:</b> -<br><b>Licence Issue:</b> 13/08/1985<br><b>Licence Surrender:</b> 27/11/1986 | <b>Operator:</b> -<br><b>Licence Holder:</b> Mintonhope Limited<br><b>First Recorded:</b> -<br><b>Last Recorded:</b> - |



| ID | Location | Details                                                                                                                                                                    |                                                                                                                                                                                                                                                        |                                                                                            |
|----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 3  | 63m NW   | Site Address: Calderbrook Industrial Works, Off Calderbrook Road, Littleborough, Greater Manchester<br>Licence Holder Address: Calderbrook Road, Littleborough, Lancashire | Waste Licence: Yes<br>Site Reference: GDO D019, RD/LIC/393/85, 3985<br>Waste Type: Inert, Industrial, Commercial, Household<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: 13/08/1985<br>Licence Surrender: 27/11/1986 | Operator: -<br>Licence Holder: Mintonhope Limited<br>First Recorded: -<br>Last Recorded: - |
| 4  | 328m E   | Site Address: PLYSU, Off Todmorden Road, Gale, Littleborough, Greater Manchester<br>Licence Holder Address: -                                                              | Waste Licence: -<br>Site Reference: D103<br>Waste Type: -<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: -<br>Licence Surrender: -                                                                                     | Operator: -<br>Licence Holder: -<br>First Recorded: -<br>Last Recorded: -                  |
| B  | 473m W   | Site Address: Ashe Laboratories, Off Shore Road, Shore, Littleborough, Greater Manchester<br>Licence Holder Address: -                                                     | Waste Licence: -<br>Site Reference: D093<br>Waste Type: -<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: -<br>Licence Surrender: -                                                                                     | Operator: -<br>Licence Holder: -<br>First Recorded: -<br>Last Recorded: -                  |
| B  | 485m W   | Site Address: Shore Mill, Shane, Littleborough, Lancashire<br>Licence Holder Address: -                                                                                    | Waste Licence: -<br>Site Reference: -<br>Waste Type: Industrial<br>Environmental Permitting Regulations (Waste) Reference: -<br>Licence Issue: -<br>Licence Surrender: -                                                                               | Operator: Ashe Laboratories<br>Licence Holder: -<br>First Recorded: -<br>Last Recorded: -  |

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

### 3.5 Historical waste sites

#### Records within 500m

1

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 44**



| ID | Location | Address              | Further Details                                                                                                                                                 | Date |
|----|----------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 6  | 490m NW  | Site Address:<br>N/A | Type of Site: Ground Workings and Refuse Heap<br>Planning application reference: N/A<br>Description: N/A<br>Data source: Historic Mapping<br>Data Type: Polygon | 1992 |

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

### 3.6 Licensed waste sites

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>0</b> |
|----------------------------|----------|

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

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

### 3.7 Waste exemptions

|                            |          |
|----------------------------|----------|
| <b>Records within 500m</b> | <b>4</b> |
|----------------------------|----------|

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.

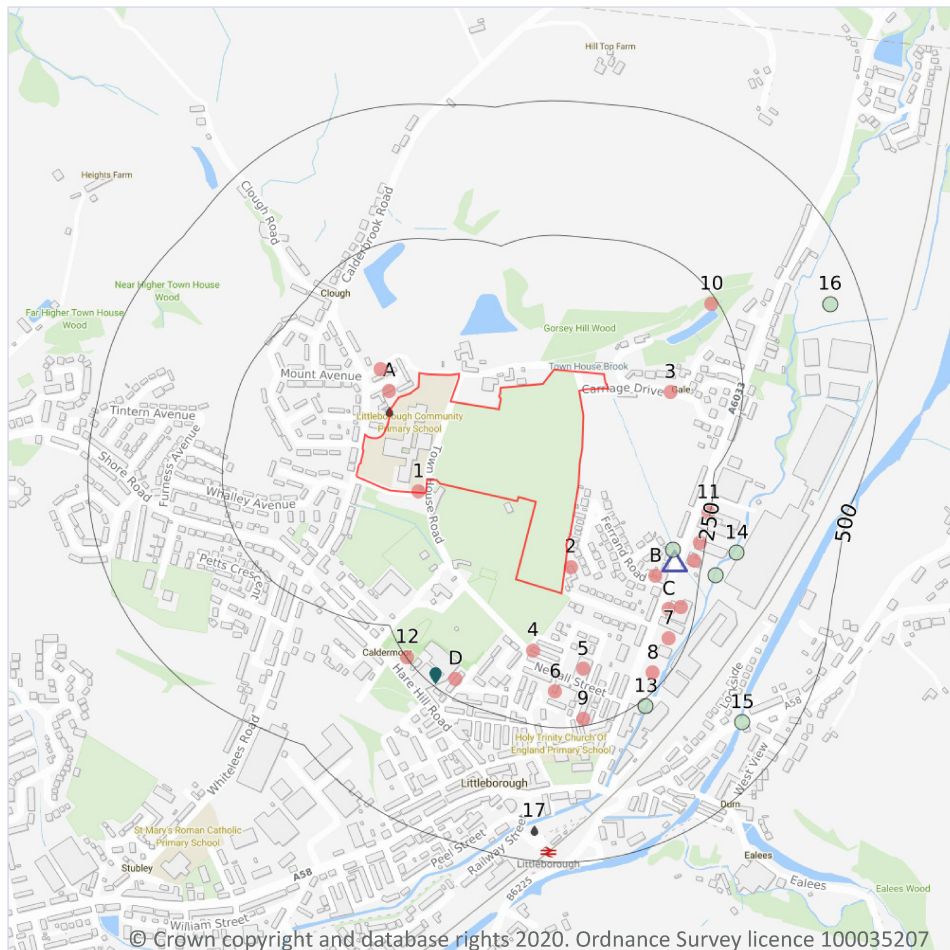
Features are displayed on the Waste and landfill map on **page 44**

| ID | Location | Site                                                                                                  | Reference             | Category                 | Sub-Category                                 | Description                                              |
|----|----------|-------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|----------------------------------------------|----------------------------------------------------------|
| 2  | On site  | Littleborough Community Primary & Nursery<br>Calderbrook Road<br>LITTLEBOROUGH<br>Lancashire OL15 9HW | EPR/GH0219Q<br>G/A001 | Storing waste exemption  | Non-Agricultural Waste Only                  | Storage of waste in a secure place                       |
| A  | 356m SW  | Hares Hill Farm Hares Hill Road OL15 9AD                                                              | EPR/SE5283AY<br>/A001 | Using waste exemption    | Both agricultural and non-agricultural waste | Spreading waste on agricultural land to confer benefit   |
| A  | 356m SW  | Hares Hill Farm Hares Hill Road OL15 9AD                                                              | EPR/SE5283AY<br>/A001 | Using waste exemption    | Both agricultural and non-agricultural waste | Use of waste for a specified purpose                     |
| 5  | 398m S   | 60, CHURCH STREET,<br>LITTLEBOROUGH, OL15 8AU                                                         | WEX162347             | Treating waste exemption | Not on a Farm                                | Sorting and de-naturing of controlled drugs for disposal |

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



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- △ Current or recent petrol stations
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

Records within 250m

20

Current potentially contaminative industrial sites.

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

| ID | Location | Company                 | Address                                                         | Activity                              | Category                      |
|----|----------|-------------------------|-----------------------------------------------------------------|---------------------------------------|-------------------------------|
| 1  | On site  | Electricity Sub Station | Greater Manchester, OL15                                        | Electrical Features                   | Infrastructure and Facilities |
| 2  | 10m E    | A 2 B Mobile Servicing  | 30, Dearden Street, Littleborough, Greater Manchester, OL15 9DZ | Vehicle Repair, Testing and Servicing | Repair and Servicing          |



| ID | Location | Company                               | Address                                                            | Activity                                 | Category                           |
|----|----------|---------------------------------------|--------------------------------------------------------------------|------------------------------------------|------------------------------------|
| A  | 22m NW   | Cropper J P<br>Audiology<br>Services  | 8, Ballard Close, Littleborough, Greater<br>Manchester, OL15 9HN   | Disability and Mobility<br>Equipment     | Consumer Products                  |
| A  | 63m NW   | Electricity<br>Sub Station            | Greater Manchester, OL15                                           | Electrical Features                      | Infrastructure and<br>Facilities   |
| 3  | 115m E   | Electricity<br>Sub Station            | Greater Manchester, OL15                                           | Electrical Features                      | Infrastructure and<br>Facilities   |
| 4  | 117m S   | North West<br>Site Services           | 19, Central Avenue, Littleborough, Greater<br>Manchester, OL15 9DU | Civil Engineers                          | Engineering<br>Services            |
| 5  | 146m S   | Works                                 | Greater Manchester, OL15                                           | Unspecified Works Or<br>Factories        | Industrial Features                |
| B  | 169m E   | Electricity<br>Sub Station            | Greater Manchester, OL15                                           | Electrical Features                      | Infrastructure and<br>Facilities   |
| 6  | 183m S   | Rochdale<br>House<br>Clearance        | 7, Phoenix Street, Littleborough, Greater<br>Manchester, OL15 9DR  | Clearance and Salvage<br>Dealers         | Recycling Services                 |
| C  | 202m E   | C R P                                 | Todmorden Road, Littleborough, Greater<br>Manchester, OL15 9EG     | General Construction<br>Supplies         | Industrial Products                |
| 7  | 216m SE  | Depot                                 | Greater Manchester, OL15                                           | Container and Storage                    | Transport, Storage<br>and Delivery |
| D  | 216m SW  | Moore<br>Security<br>Solutions<br>Ltd | 19, Sale Street, Littleborough, Greater<br>Manchester, OL15 9BB    | Electronic Equipment                     | Industrial Products                |
| C  | 224m E   | Works                                 | Greater Manchester, OL15                                           | Unspecified Works Or<br>Factories        | Industrial Features                |
| 8  | 225m SE  | Depot                                 | Greater Manchester, OL15                                           | Container and Storage                    | Transport, Storage<br>and Delivery |
| B  | 235m E   | Apollo<br>Motorhome<br>s              | Todmorden Road, Littleborough, Greater<br>Manchester, OL15 9EG     | Vehicle Repair, Testing<br>and Servicing | Repair and<br>Servicing            |
| 9  | 237m S   | Abacus<br>Weighing<br>Services        | 7, Howarth Street, Littleborough, Greater<br>Manchester, OL15 9DN  | Measurement and<br>Inspection Equipment  | Industrial Products                |
| 10 | 239m NE  | Tank                                  | Greater Manchester, OL15                                           | Tanks (Generic)                          | Industrial Features                |
| B  | 241m E   | Depot                                 | Greater Manchester, OL15                                           | Container and Storage                    | Transport, Storage<br>and Delivery |



| ID | Location | Company                    | Address                                                                             | Activity            | Category                      |
|----|----------|----------------------------|-------------------------------------------------------------------------------------|---------------------|-------------------------------|
| 11 | 247m E   | Green Bros Land Rovers Ltd | Unit 1 Riverside Works, Todmorden Road, Littleborough, Greater Manchester, OL15 9EG | Secondhand Vehicles | Motoring                      |
| 12 | 248m SW  | Electricity Sub Station    | Greater Manchester, OL15                                                            | Electrical Features | Infrastructure and Facilities |

*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 48**

| ID | Location | Company | Address                                                     | LPG | Status |
|----|----------|---------|-------------------------------------------------------------|-----|--------|
| B  | 199m E   | UK      | Todmorden Road, Littleborough, Greater Manchester, OL15 9EG | No  | Closed |

*This data is sourced from Experian.*

## 4.3 Electricity cables

**Records within 500m**

**0**

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

**Records within 500m**

**0**

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

#### 4.5 Sites determined as Contaminated Land

**Records within 500m****0**

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

*This data is sourced from Local Authority records.*

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

**Records within 500m****0**

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

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

#### 4.7 Regulated explosive sites

**Records within 500m****0**

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

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

#### 4.8 Hazardous substance storage/usage

**Records within 500m****0**

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

*This data is sourced from Local Authority records.*

#### 4.9 Historical licensed industrial activities (IPC)

**Records within 500m****0**

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

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



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

Records within 500m

0

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

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

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

Records within 500m

1

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

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

| ID | Location | Address                                                                               | Details                                                                        |                                                                                                                             |
|----|----------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| D  | 233m SW  | Proofings Coated Textiles Ltd, 64 Hare Hill Road, Littleborough, Lancashire, OL15 9HE | Process: Coating Processes<br>Status: Historical Permit<br>Permit Type: Part B | Enforcement: No Enforcements Notified<br>Date of enforcement: No Enforcements Notified<br>Comment: No Enforcements Notified |

*This data is sourced from Local Authority records.*

#### 4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

#### 4.13 Licensed Discharges to controlled waters

Records within 500m

2

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

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



| ID | Location | Address                                                                    | Details                                                                                                                                                    |                                                                                                                                                      |
|----|----------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| A  | 1m W     | NEW PLATT FARM, CARRIAGE DRIVE                                             | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: 0172/1858<br>Permit Version: 1<br>Receiving Water: UNKNOWN | Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY)<br>Issue date: 19/10/1972<br>Effective Date: 19/10/1972<br>Revocation Date: - |
| 17 | 444m S   | ACCESS RAMP & CAR PARK SWO, ADJACENT LITTLEBOROUGH CAR PARK, LITTLEBOROUGH | Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER<br>Permit Number: 016991149<br>Permit Version: 1<br>Receiving Water: RIVER ROCH                    | Status: REVOKED - UNSPECIFIED<br>Issue date: -<br>Effective Date: 23/10/1991<br>Revocation Date: 23/10/1991                                          |

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

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

Records within 500m

0

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

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

#### 4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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

#### 4.16 List 1 Dangerous Substances

Records within 500m

0

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

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



## 4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

## 4.18 Pollution Incidents (EA/NRW)

Records within 500m

6

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 48**

| ID | Location | Details                                                                                                                                                               |                                                                                                                     |
|----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| B  | 192m E   | Incident Date: 20/09/2002<br>Incident Identification: 109323<br>Pollutant: Contaminated Water<br>Pollutant Description: Suspended Solids                              | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)       |
| 13 | 262m SE  | Incident Date: 25/09/2003<br>Incident Identification: 192529<br>Pollutant: Pollutant Not Identified<br>Pollutant Description: Not Identified                          | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)       |
| B  | 279m E   | Incident Date: 26/11/2002<br>Incident Identification: 123182<br>Pollutant: Oils and Fuel<br>Pollutant Description: Diesel                                             | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)       |
| 14 | 310m E   | Incident Date: 12/06/2004<br>Incident Identification: 243857<br>Pollutant: Inorganic Chemicals/Products<br>Pollutant Description: Other Inorganic Chemical or Product | Water Impact: Category 2 (Significant)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact) |
| 15 | 412m SE  | Incident Date: 11/08/2002<br>Incident Identification: 99330<br>Pollutant: Oils and Fuel<br>Pollutant Description: Unidentified Oil                                    | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)       |
| 16 | 439m E   | Incident Date: 13/06/2001<br>Incident Identification: 8934<br>Pollutant: Inert Materials and Wastes<br>Pollutant Description: Soils and Clay                          | Water Impact: Category 3 (Minor)<br>Land Impact: Category 4 (No Impact)<br>Air Impact: Category 4 (No Impact)       |

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



## 4.19 Pollution inventory substances

**Records within 500m****0**

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

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

## 4.20 Pollution inventory waste transfers

**Records within 500m****0**

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

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

## 4.21 Pollution inventory radioactive waste

**Records within 500m****0**

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

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