Coal Mining Risk Assessment
Kinder Avenue, Linthwaite, Huddersfield

DOCUMENT INFORMATION

Reference	Revision	Project Director	Issue Date
MJH/J2245/D1/1	First	Marcus Hanford	26th August 2025

CONTENTS

1	INTRODUCTION	Page 1
2	THE SITE	Page 2
3	INFORMATION REVIEW	Page 3
4	ASSESSMENT OF SITE SPECIFIC COAL MINING RISKS	Page 4
5	GEOTECHNICAL ASSESSMENT	Page 5

DRAWINGS

J2245/01	Site Location Plan
J2245/02	Site Plan

APPENDIX

Appendix A	Coal Authority Mining Report

1. INTRODUCTION

1.1. This report describes a coal mining risk assessment of a site at Kinder Avenue, Linthwaite, Huddersfield.

1.2. The objectives of this risk assessment have been to obtain information relating to the potential mining of coal (and associated minerals) pertaining to the site and to produce a geotechnical assessment of those factors in relation to the proposed development at the site.

1.3. We have been advised that the proposed development at the site will comprise 2 houses, private gardens and associated infrastructure. This assessment assumes that ground levels across the site will remain generally unchanged during the proposed development. If the assumptions made above and in the later sections of this report are not the case, then the recommendations presented within this report may require some amendment.

1.4. This risk assessment has been produced on behalf of the Client, Mr L. Chau and no responsibility is accepted to any third party for all or any part. This report should not be relied upon or transferred to any other parties without the express written authorisation of Emcus Limited. If any unauthorised third party comes into possession of this report, they rely on it at their own risk and the authors owe them no duty of care or skill.

1.5. The findings and opinions conveyed from this assessment are based on information obtained from a variety of sources, as detailed within this report, which Emcus Limited believes are reliable. Nevertheless, Emcus Limited cannot and does not guarantee the authenticity or reliability of the information it has obtained from these sources, and used in the production of this report.

1.6. The site plans and drawings enclosed in this report should not be scaled off.

2. THE SITE

2.1. Site Location

2.1.1. The site is located on the southern side of Kinder Avenue, Linthwaite, Huddersfield, West Yorkshire, (see drawings J2245/01 and J2245/02). The National Grid Reference for the approximate centre of the site is 410612 414774.

2.2. Site Description

2.2.1. At the time of preparing this assessment we had not undertaken a site walkover. However, photographs provided by the architects / planners for the project (Planning Design) and aerial imagery available freely on the internet indicate that the site generally comprises an asphalt hardstanding. In addition, the southern margin of the site is indicated to generally comprise roughly grassed landscaping.

3. INFORMATION REVIEW

3.1. Published Geological Information

3.1.1. The interactive GeoIndex data tool available through the website of the British Geological Survey (BGS) and published geological map, Sheet SE11SW, 1:10,000 scale dated 200 have been examined in respect of the strata underlying the site.

3.1.2. The published geological information indicates that the natural strata beneath the site comprises Carboniferous Millstone Grit. Within the Millstone Grit, the Upper Meltham Coal is indicated to crop 30m to the north-west of the site and dip at shallow angle beneath the site. The 1:10.000 scale geological map indicates that the Upper Meltham Coal is thin in the area of the site.

3.1.3. Furthermore, the geological information indicates that there are unlikely to be another other coal seams of potential workable thickness at shallow depth (i.e. less than 30m bgl) beneath the site.

3.2. Mining Remediation Authority

3.2.1. The Mining Remediation Authority interactive map viewer indicates that the site is located in a Coal Mining Reporting area and Development High Risk Area. The Development High Risk area is indicated to be associated with a 'buffer zone' along the crop of the Upper Meltham Coal.

3.2.2. We have obtained a Consultants Mining Report for the site from the Coal Authority, a copy of which is presented in Appendix A. The salient information within the mining report can be summarised as follows.

- The report advises there is no past underground mining recorded beneath the site.
- The report advises that there are no probable unrecorded mine workings at shallow depth beneath the site.
- The report advises there are no recorded coal mine entries within, or within 100m of the site.
- The report advises there are no opencast mines within 500m of the site.
- The mining report confirms the Upper Meltham coal crops 25m to the north-west of the site.

4. ASSESSMENT OF SITE SPECIFIC COAL MINING RISKS

4.1. From a review of the information sources above, the range of coal mining related hazards relevant to the proposed surface development of the site can be summarised as follows:

Coal Mining Hazard	**Potential for Coal Mining Hazard to impact proposed development of the site**
Deep underground coal mining >30m depth. (Past, present and currently proposed)	No significant risk identified.
Recorded shallow underground coal mining <30m depth	No significant risk identified.
Un-recorded shallow (<30m depth) underground coal mine workings and associated entries. (Includes bell pits, pillar & stall and crop working, etc.)	No significant risk identified.
Recorded Mine entries (shafts and adits)	No significant risk identified.
Coal mining induced or reactivated faults / lines of weaknesses (fissures, etc.)	No significant risk identified.
Mine gas emissions	No significant risk identified.
Recorded surface mining (opencast workings)	No significant risk identified.

5. GEOTECHNICAL ASSESSMENT

5.1. The site is indicated to be underlain by strata from the Carboniferous Millstone Grit. Within the Millstone Grit, the Upper Meltham Coal is indicated to crop 25m - 30m to the north-west of the site and dip at shallow angle beneath the site. The Upper Meltham Coal is identified as being 'thin' by the published geological information and is considered unlikely to have been worked by underground methods beneath the site. The Coal Authority mining report also advises that unrecorded coal workings are unlikely to be present at shallow depth beneath the site.

5.2. The Coal Authority do not identify any mine entries; underground mine workings; and / or opencast mines within influencing depth / distance of the site.

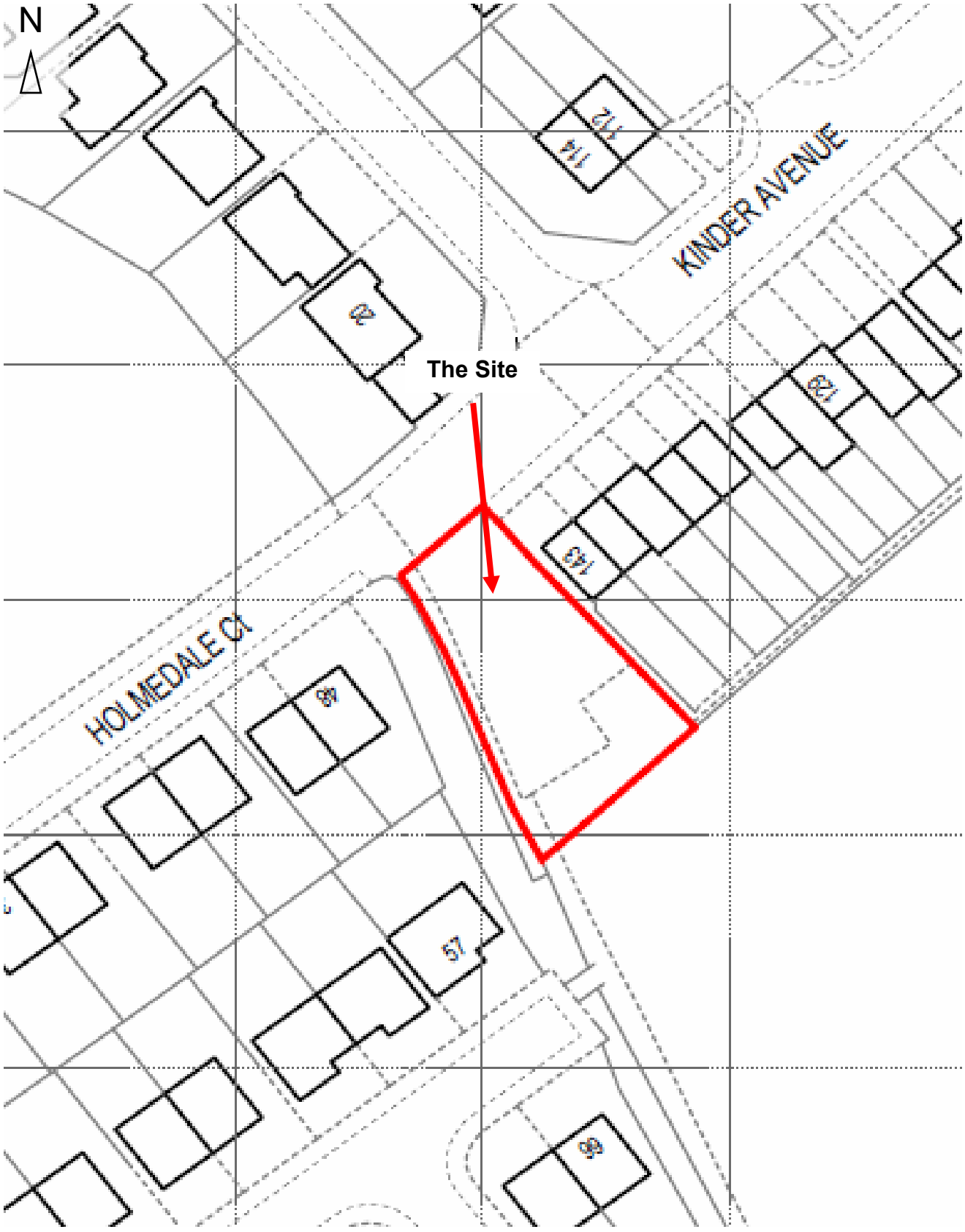
5.3. In view of the above, it is considered that the proposed development at the site does not require any specific measures to protect against potential ground movements from coal mining legacy features.

DRAWINGS



Drawing Title **Site Location**		**J2245/01**	
		Scale at A4: NTS	
Project **Kinder Avenue, Linthwaite, Huddersfield**		Drawn MJH	Approved MJH
Client **Mr Chau**		Date 21/08/2025	Date 21/08/2025

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Drawing Title **Site Plan**		**J2245/02**	
		Scale at A4: NTS	
Project **Kinder Avenue, Linthwaite, Huddersfield**		Drawn MJH	Approved MJH
Client **Mr Chau**		Date 21/08/2025	Date 21/08/2025

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APPENDICES

Appendix A

Coal Authority Mining Report

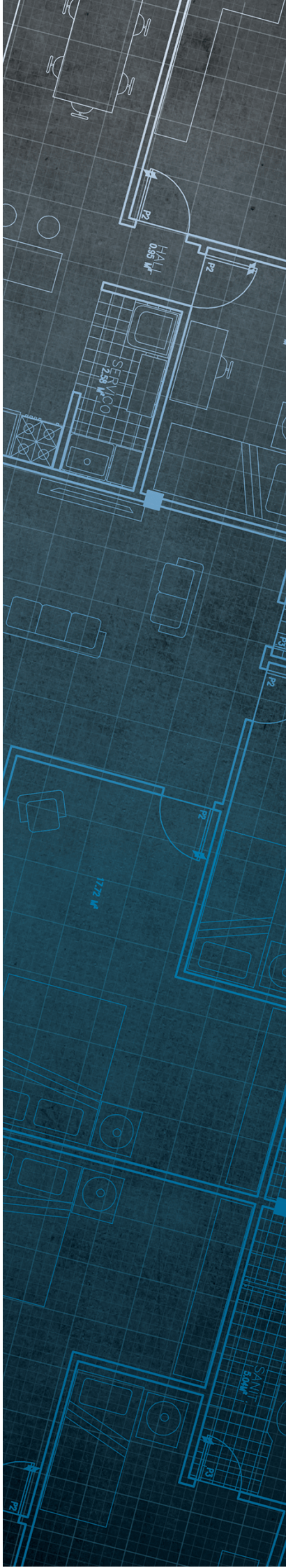
The Coal Authority

Consultants

Coal Mining Report

Kinder Avenue
Cowlersley
Huddersfield
West Yorkshire

Date of enquiry:	**21 August 2025**
Date enquiry received:	**21 August 2025**
Issue date:	**21 August 2025**
Our reference:	**51003520112001**
Your reference:	**384061457_1**



Consultants

Coal Mining Report

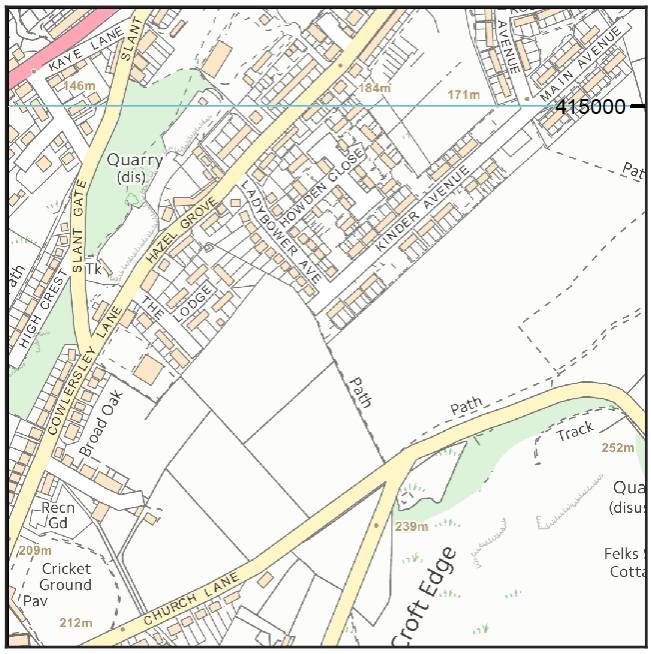
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

Kinder Avenue
Cowlersley
Huddersfield
West Yorkshire



Approximate position of property

Map data

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Section 1 – Mining activity and geology

Past underground mining
No past mining recorded.

Probable unrecorded shallow workings
None.

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

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

Abandoned mine plan catalogue numbers
None available.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
UPPER MELTHAM	Coal	Yes	25.1	North-West	53

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

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

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

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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.

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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.

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Section 4 – Further information

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

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

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Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

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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. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

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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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Summary of findings

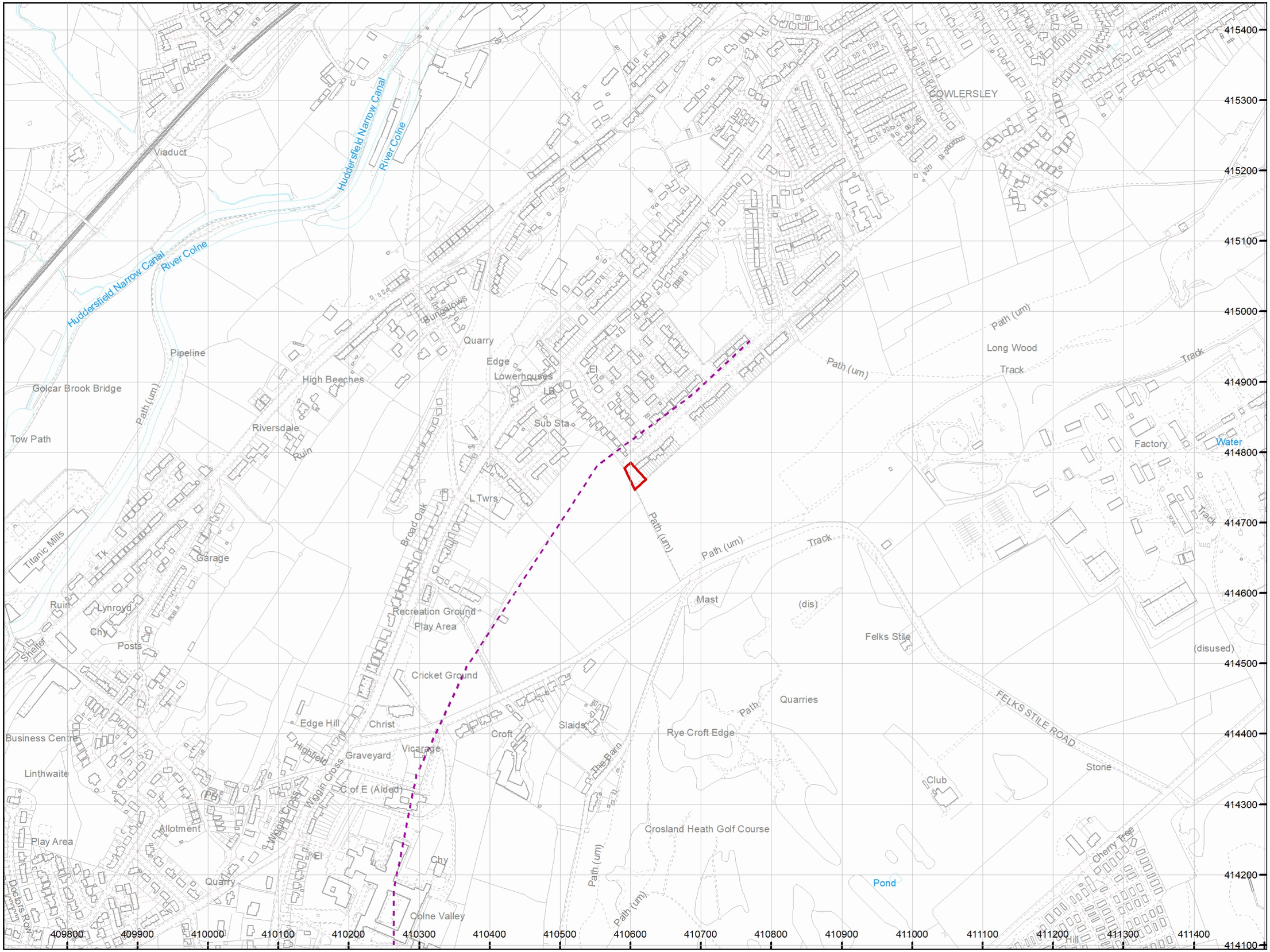
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The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown

Outcrop (Conjectured)



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