



The Coal
Authority

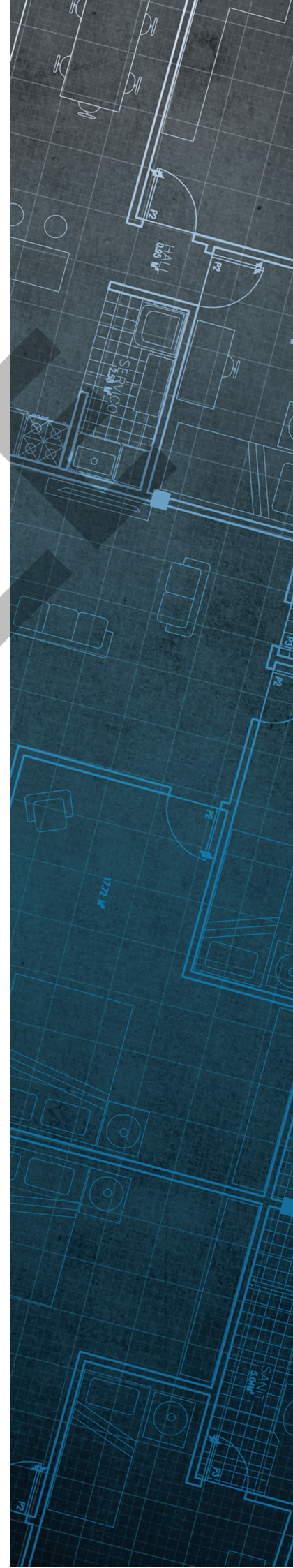
Consultants Coal Mining Report

Report Address Displayed Here

SAMPLE

Date of enquiry: 9 November 2017
Date enquiry received: 9 November 2017
Issue date: 9 November 2017

Our reference:
Your reference: Customer ref displayed
here



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

The Coal Authority

Enquiry address

Report Address Displayed Here

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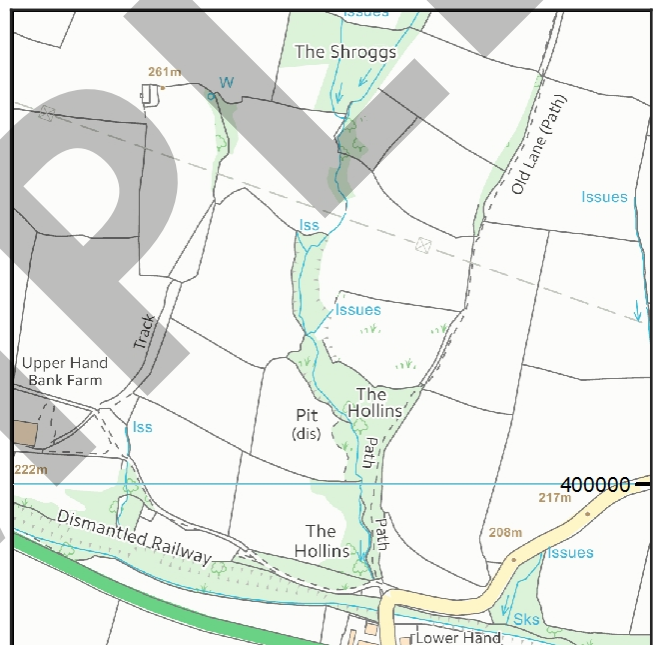
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Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
MIDHOPE	HALIFAX HARD	Coal	607R	30	Beneath Property	4.8	North-East	99	1941
HOLLINGWOOD	HALIFAX HARD	Coal	607Q	58	West	8.1	North-East	99	1941
unnamed	HALIFAX HARD	Coal	4V0F	71	West	7.5	North-East	99	1941
HALSTEAD HAIGH	HALIFAX SOFT	Coal	607P	81	Beneath Property	5.1	North-East	86	1900
unnamed	HALIFAX SOFT	Coal	6X24	142	East	4.5	South	82	1940
STOCKSBRIDGE	HALIFAX SOFT	Coal	607O	222	Beneath Property	5.1	North-East	82	1944
STOCKSBRIDGE	HALIFAX SOFT	Coal	6HU7	264	Beneath Property	4.3	North	82	1948
STOCKSBRIDGE	HALIFAX SOFT	Coal	6HOT	269	North	3.3	East	82	1943
STOCKSBRIDGE	HALIFAX SOFT	Coal	6HU6	292	Beneath Property	5.0	North	82	1930

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

Distance to spine roadway (m)	Direction to spine roadway
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	422400-003	422960 400140		Coal	
Adit	422400-015	422953 400307	following a collapse of the adit in 2002 the collapse that was being used by badgers was covered with a 3m x 3m grill and fenced	Coal	
Shaft	422400-018	422962 400326	was located by a member of the badger society and was subsequently fitted with a 2.5m square grill	Coal	
Adit	423399-001	423222 399971		Coal	
Shaft	423400-001	423173 400273	was filled to an unknown specification in 1987	Coal	
Shaft	423400-002	423468 400045	is partly filled to an unknown specification	Coal	
Shaft	423400-003	423570 400005	is filled to an unknown specification. The fill was topped up following a depression in 1987	Coal	
Adit	423400-004	423097 400042	is unfilled and covered with an access door. the Adit was fitted with a drainage pipe and permanently fenced by IMC Ltd for the Coal Authority in 2002. In 2005 a mass concrete stopping approx 5m in length was constructed within the adit by placing concrete via a vertical borehole from above between 2 block walls constructed within the mine roadway. Twin 400mm dia pipes were cast through the stopping for drainage. A headwall was also constructed from engineering brick to the adit mouth. The existing twin 600mm dia pipes laid beneath the highway were incorporated within this headwall as overflow pipes	Coal	
Shaft	423400-005	423265 400270		Coal	
Shaft	423400-006	423091 400036		Coal	
Shaft	423400-007	423130 400140	was found void and subsequently filled with hardcore to full depth and capped (5m x 5m x 0.45m reinforced concrete) at 1.5m bgl by the Coal Authority in 2012. The shaft is fitted with an inspection pipe and lockable man-hole cover	Coal	
Shaft	424399-001	424205 399778		Coal	
Shaft	424399-002	424271 399701		Coal	
Shaft	424399-003	424268 399682		Coal	
Shaft	424399-004	424276 399680		Coal	
Shaft	424399-005	424306 399719		Coal	

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	424399-006	424336 399694		Coal	
Shaft	424399-007	424372 399702		Coal	
Shaft	424399-010	424019 399747		Coal	
Shaft	424399-011	424044 399719		Coal	
Shaft	424399-012	424067 399696		Coal	
Shaft	424399-013	424055 399621		Coal	
Shaft	424399-014	424245 399685		Coal	
Shaft	424399-015	424357 399686		Coal	
Shaft	424399-016	424355 399639		Coal	
Shaft	424399-019	424228 399807		Coal	
Shaft	424399-020	424302 399646		Coal	
Shaft	424399-021	424387 399660		Coal	
Shaft	424399-026	424257 399670		Coal	
Shaft	424399-027	424238 399757		Coal	
Shaft	424399-029	424287 399656		Coal	
Adit	424399-030	424390 399534		Coal	

Abandoned mine plan catalogue numbers

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

SY33	OM14244	M214
SY31	13078	M403
GCR280	16807	10624

Our records show we have more plans than those shown above which could affect the enquiry boundary.

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
36 YARDS BAND	Coal	Yes	Within	N/A	100
36 YARDS BAND	Coal	Yes	Within	N/A	107
36 YARDS BAND	Coal	Yes	Within	N/A	111
36 YARDS BAND	Coal	Yes	Within	N/A	118
HALIFAX HARD	Coal	Yes	Within	N/A	115
HALIFAX HARD	Coal	Yes	Within	N/A	116
HALIFAX HARD	Coal	Yes	Within	N/A	320
HALIFAX SOFT	Coal	Yes	Within	N/A	297
HALIFAX SOFT	Coal	Yes	Within	N/A	299
HALIFAX SOFT	Coal	Yes	Within	N/A	303
HARD BED BAND	Coal	Yes	Within	N/A	101
HARD BED BAND	Coal	Yes	Within	N/A	115
HARD BED BAND	Coal	Yes	Within	N/A	146
HARD BED BAND	Coal	Yes	Within	N/A	169
HARD BED BAND	Coal	Yes	Within	N/A	307
MIDDLE BAND	Coal	Yes	Within	N/A	98
MIDDLE BAND	Coal	Yes	Within	N/A	112
MIDDLE BAND	Coal	Yes	Within	N/A	299
MIDDLE BAND	Coal	Yes	Within	N/A	307
UPPER MELTHAM	Coal	Yes	Within	N/A	134

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.

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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

Distance to site remediation (m)	Direction
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A
Within	N/A

See Section 4 for further information.

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 31st 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

Distance to scheme (m)	Direction
Within	N/A

See Section 4 for further information.

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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 in an area where notices to withdraw support were given in 1946.

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

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

Remediated sites

The site is within an area of previous interest. It is close to where the Coal Authority has investigated and where necessary remediated mine entries and/or shallow coal mine workings following specific reported hazards.

The site requires further investigation and may influence your risk assessment. We recommend that you order the Coal Authority **Surface Hazards Incident Report**, which will include more information about the hazard.

Mine water treatment schemes

The enquiry boundary is within 500 metres of where the Coal Authority has previously investigated and where necessary remediated the effects of mine water flooding or mitigated potential contamination.

The site requires further investigation and may influence your risk assessment.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

Opencast mines

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

Coal Authority managed tips

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

Site investigations

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

Remediated sites

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

Coal mining subsidence

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

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

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

Mine gas

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

Mine water treatment schemes

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

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

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

Future underground mining

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

Coal mining licensing

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

Court orders

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

Section 46 notices

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

Withdrawal of support notices

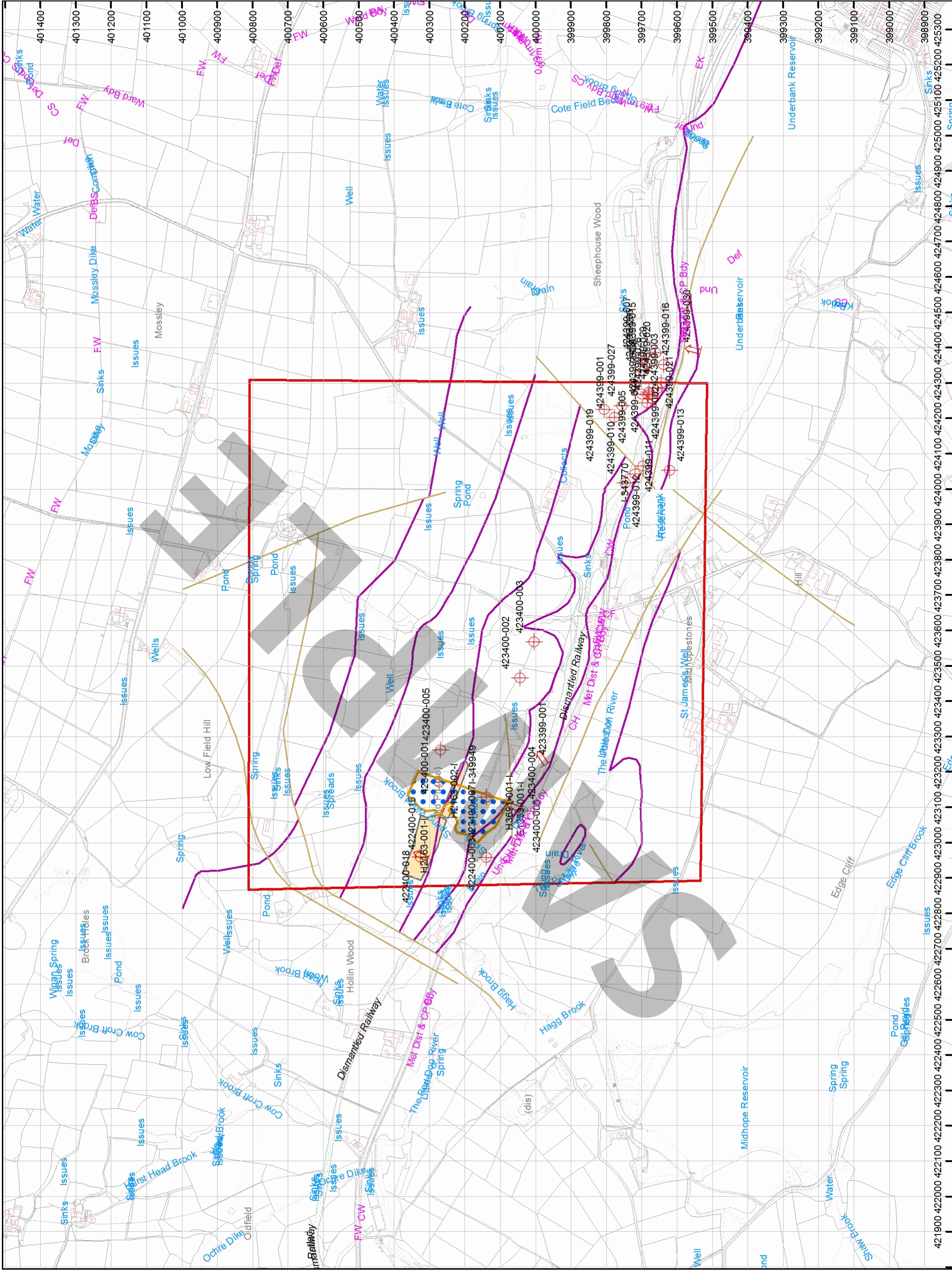
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

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



The 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
- Disused mine shaft
- Disused adit
- Outcrop
- Geological faults
- Remediated sites
- Mine water treatment scheme