



British Geological Survey

NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 83865 : BGS Reference: SE30NW12
British National Grid (27700) : 432875,407909

Report an issue with this borehole

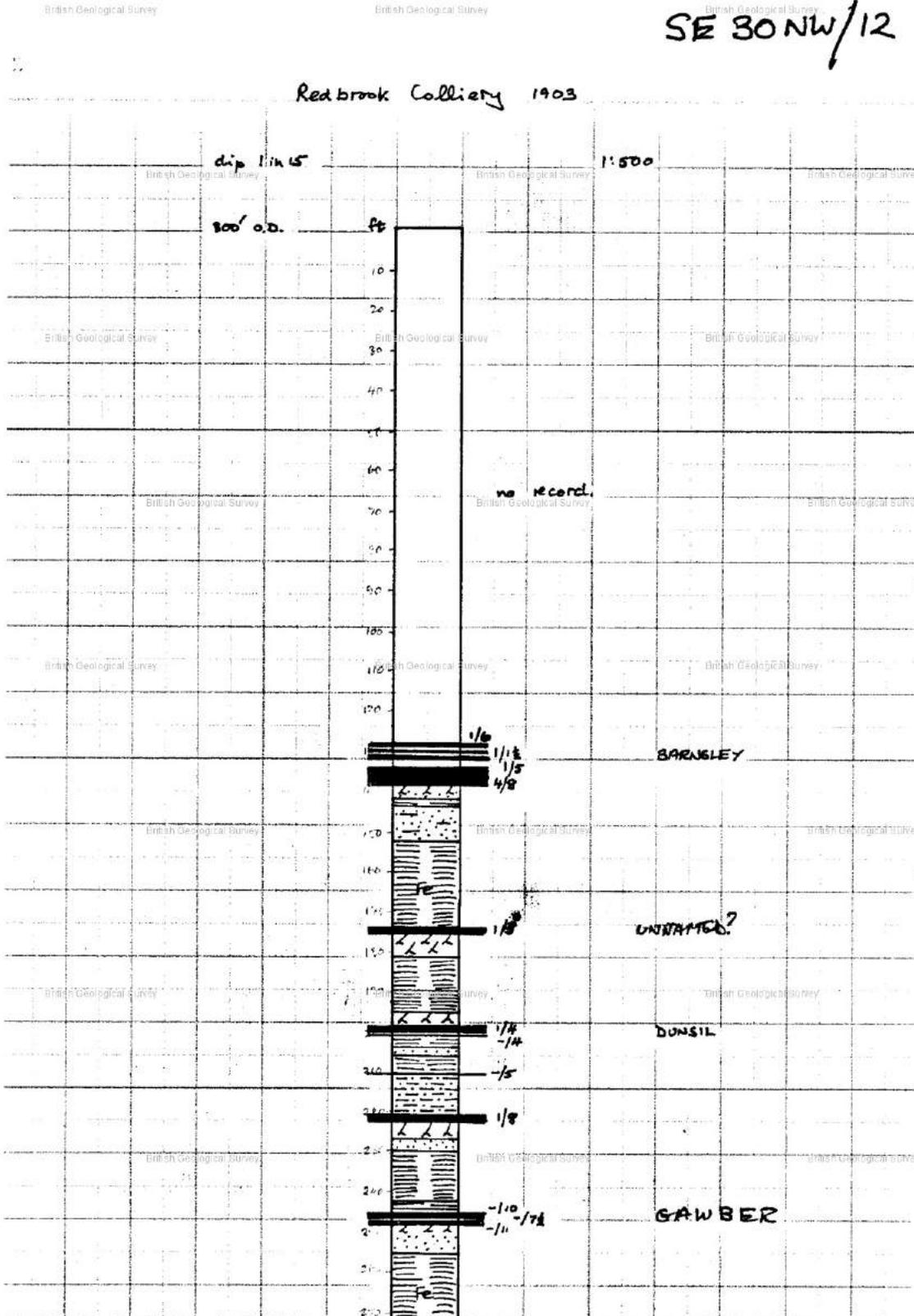
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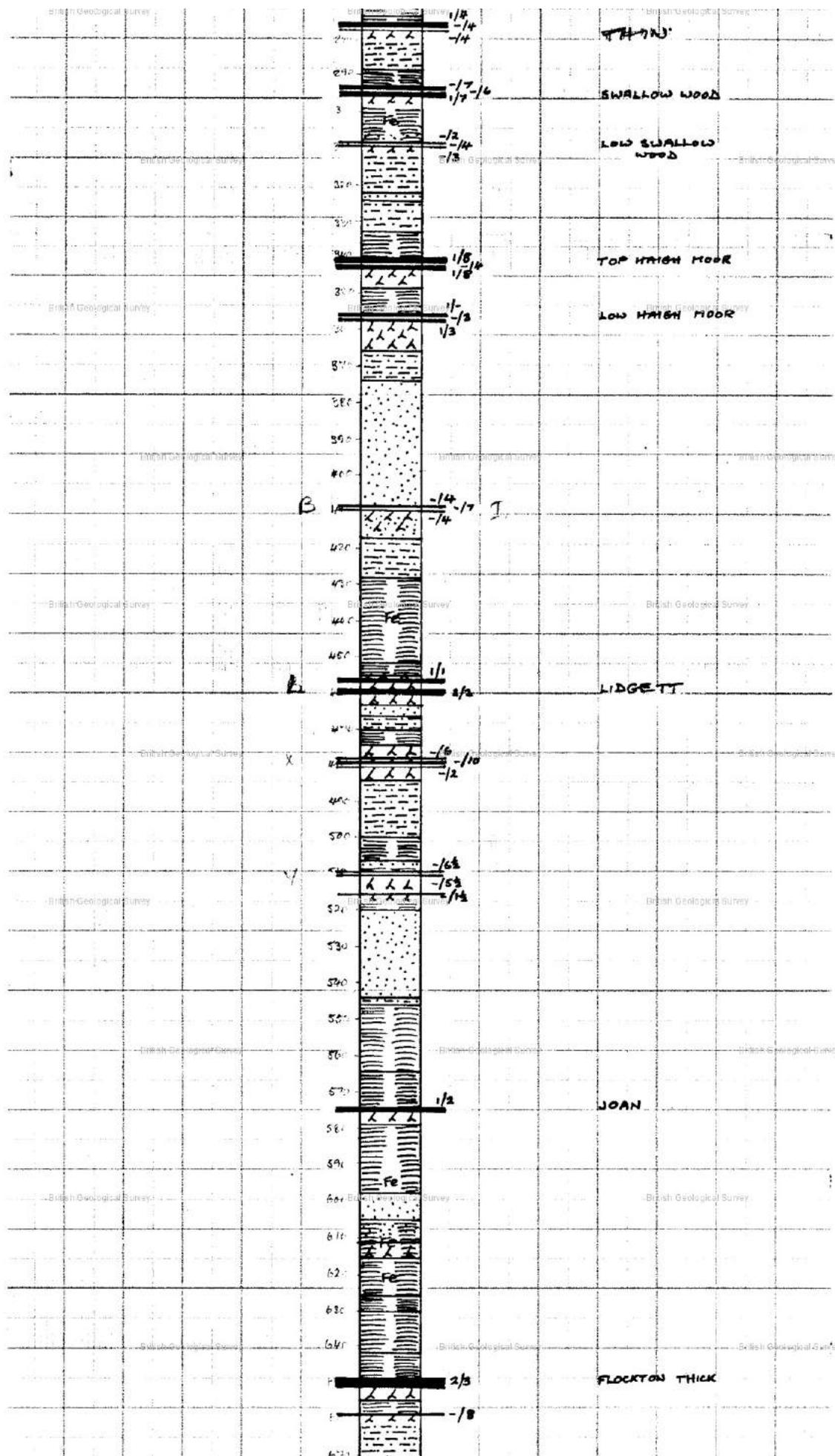
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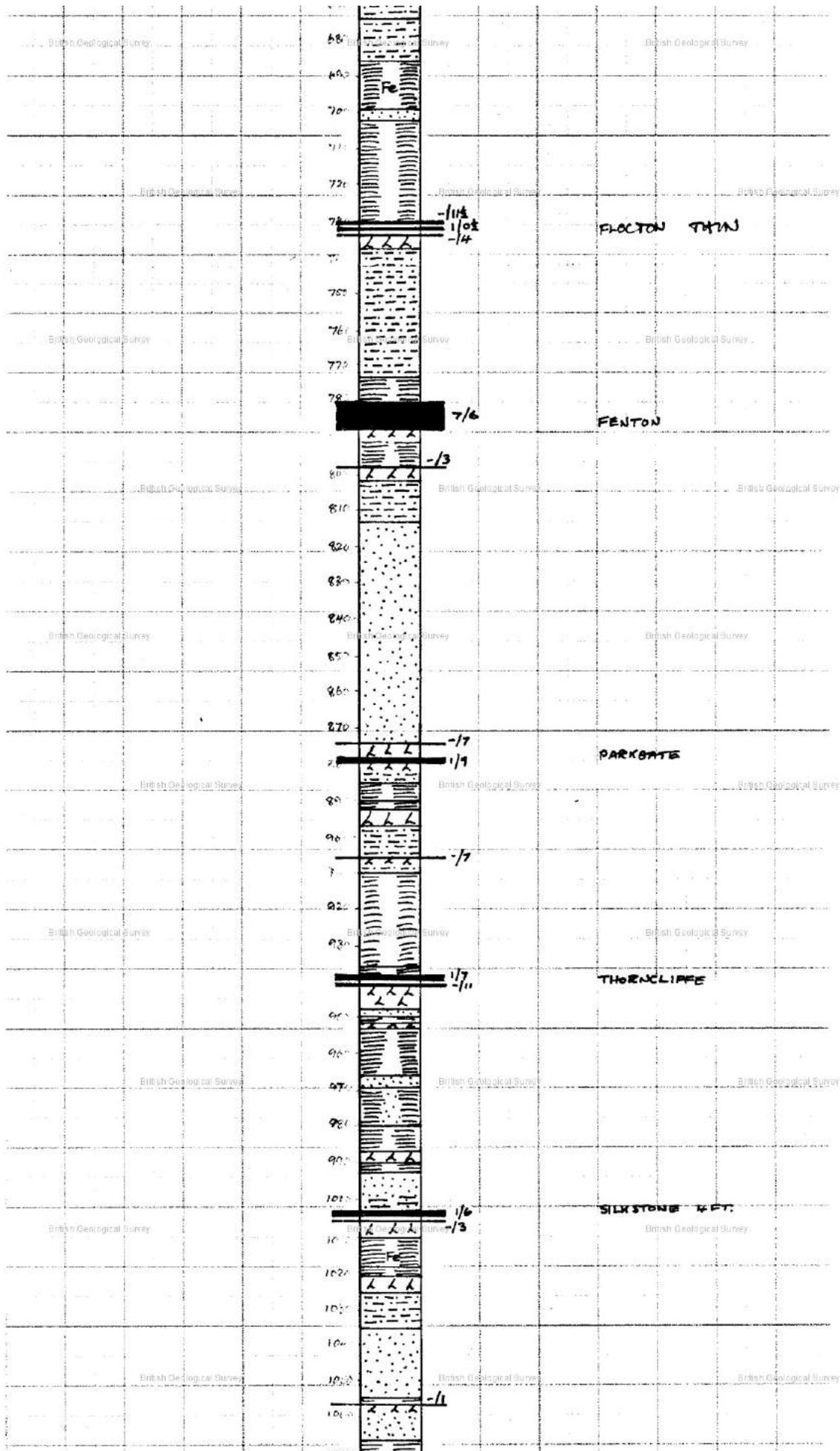
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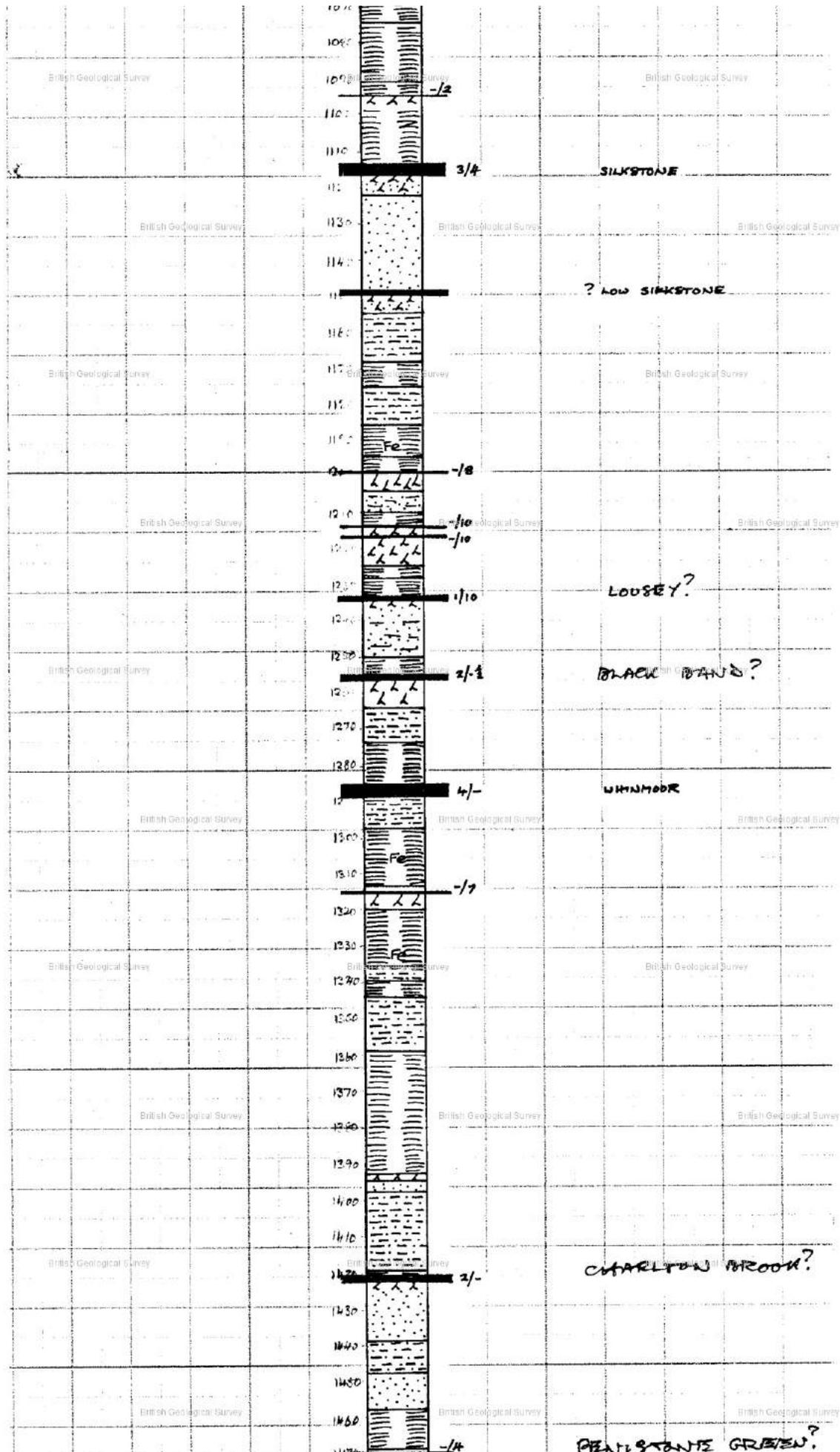
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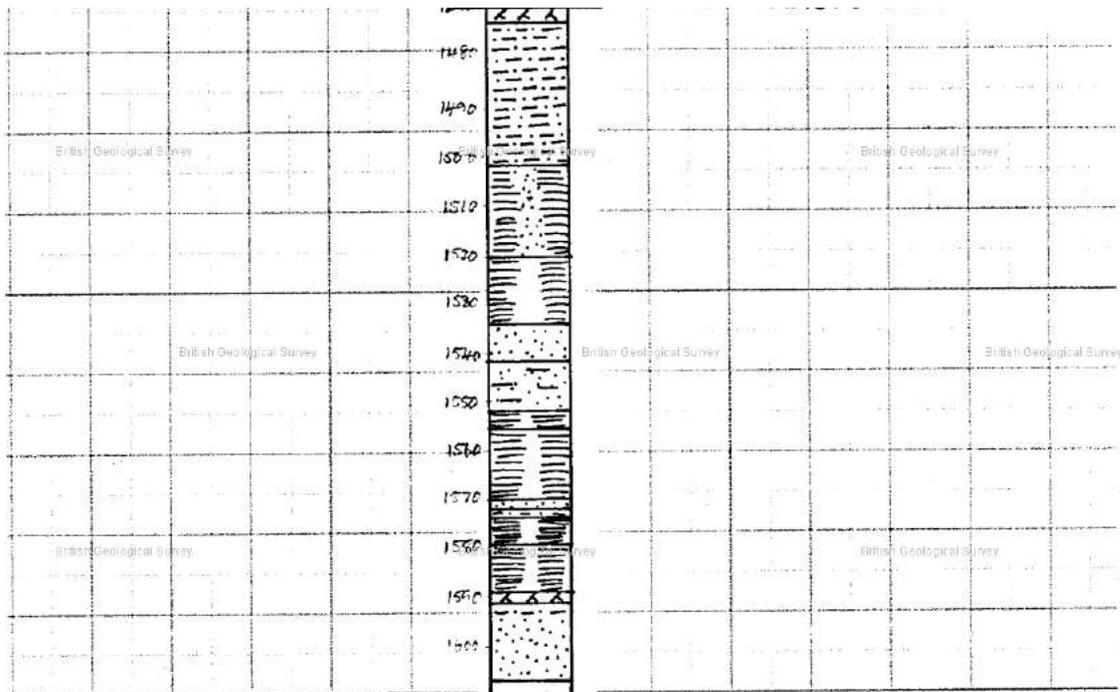
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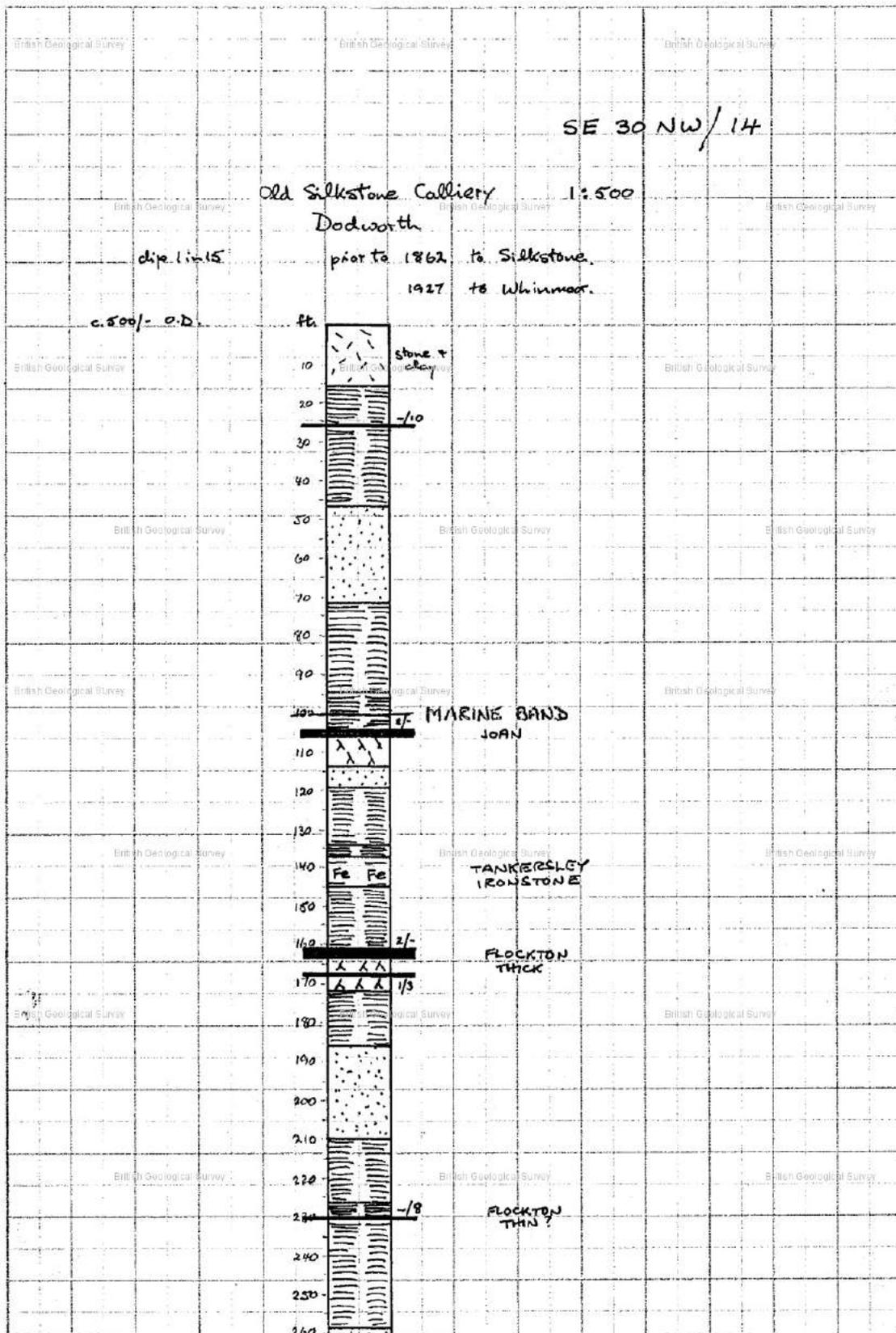


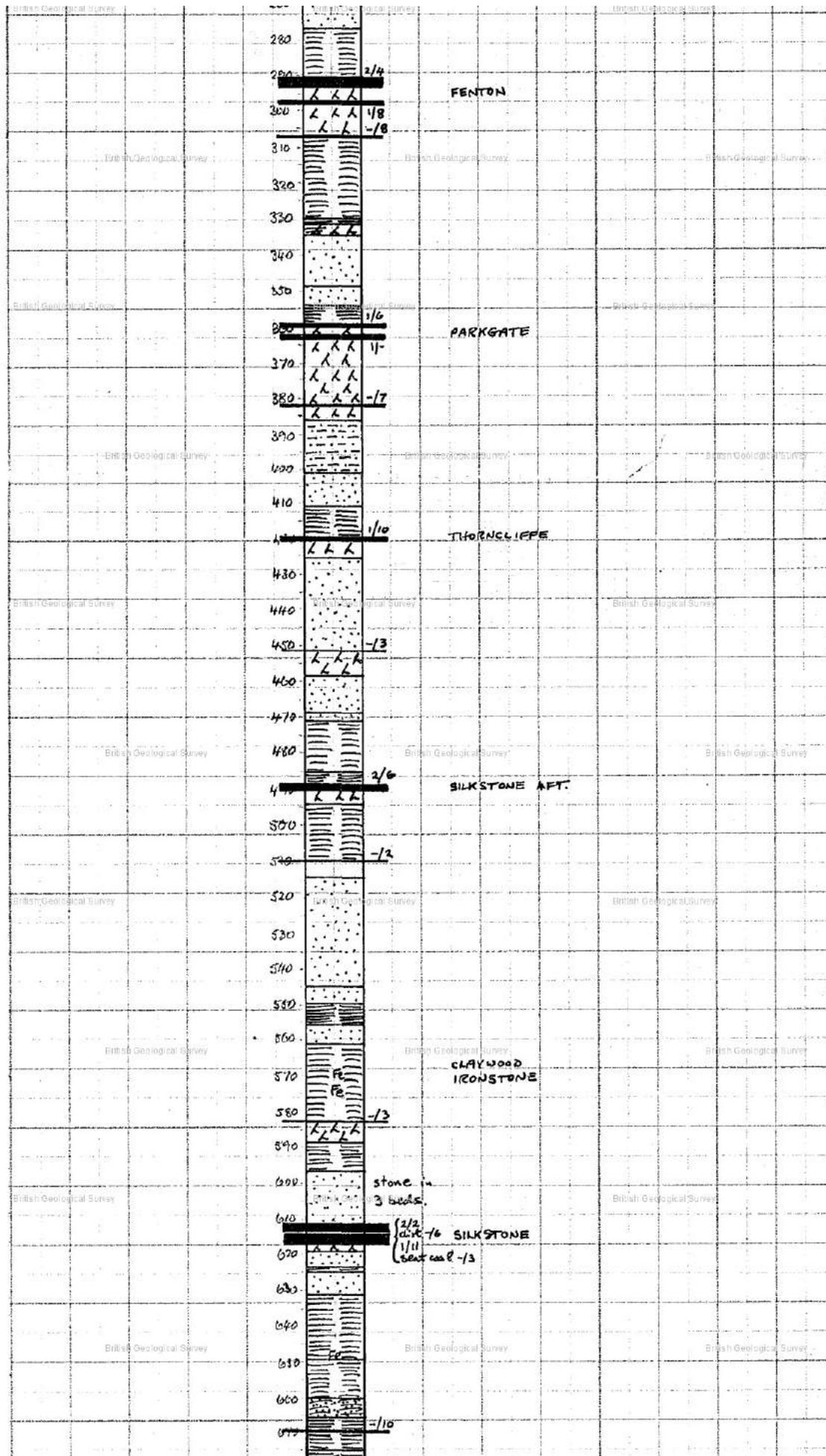


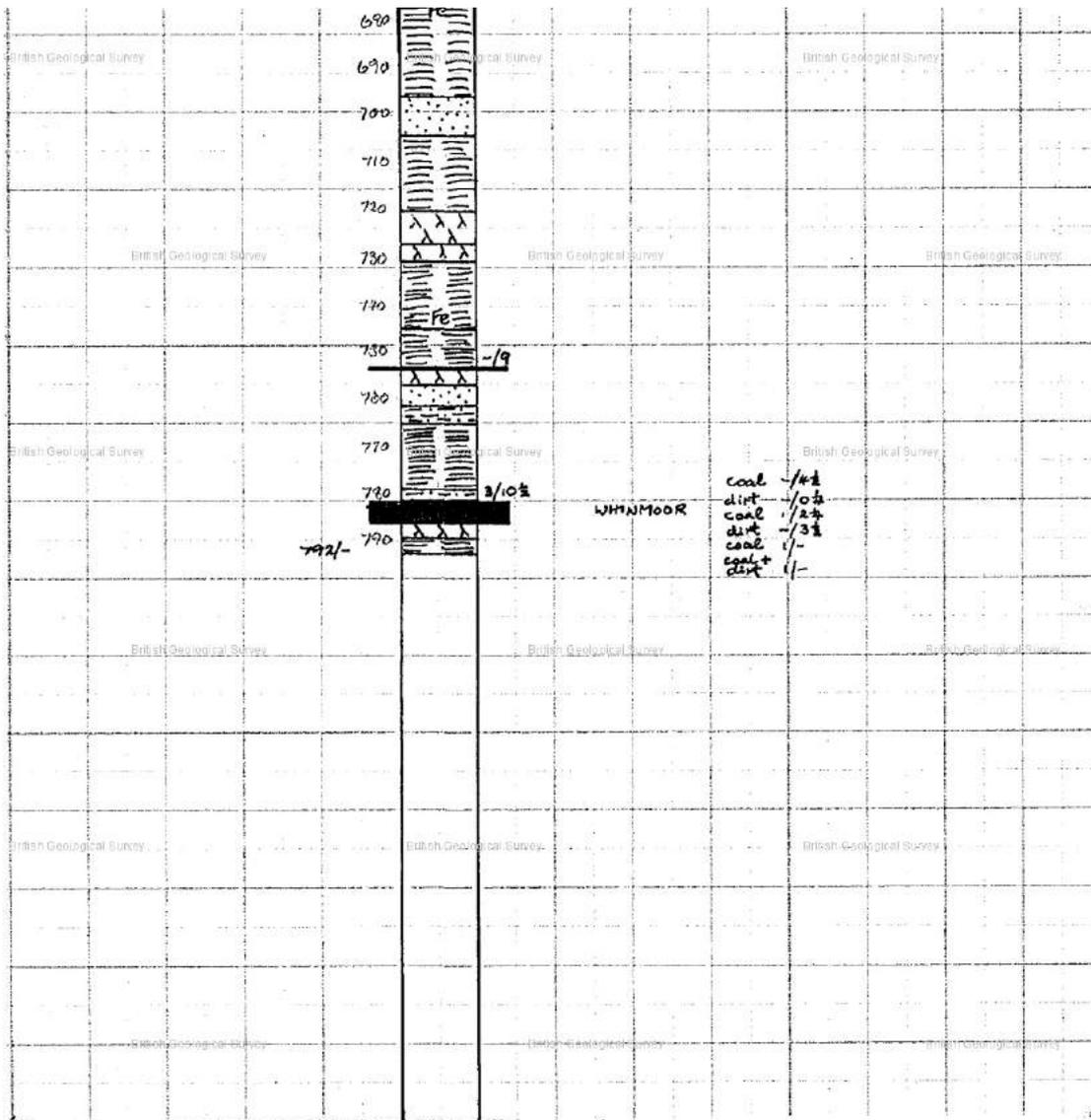
British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 83867 : BGS Reference: SE30NW14
British National Grid (27700) : 431180,405650

Report an issue with this borehole









Appendix E Coal Authority Mining Reports



The Coal
Authority

Resolving the **impacts** of mining

CON29M Non-Residential Mining Report

BARNSLEY WEST
SOUTH YORKSHIRE

Date of enquiry: 28 November 2018
Date enquiry received: 28 November 2018
Issue date: 28 November 2018

Our reference: 51001983537001
Your reference: 4848/JBW



CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority, at the time we answer the search.

Client name

JPG (LEEDS) LIMITED

Enquiry address

BARNSELY WEST, SOUTH YORKSHIRE

How to contact us

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

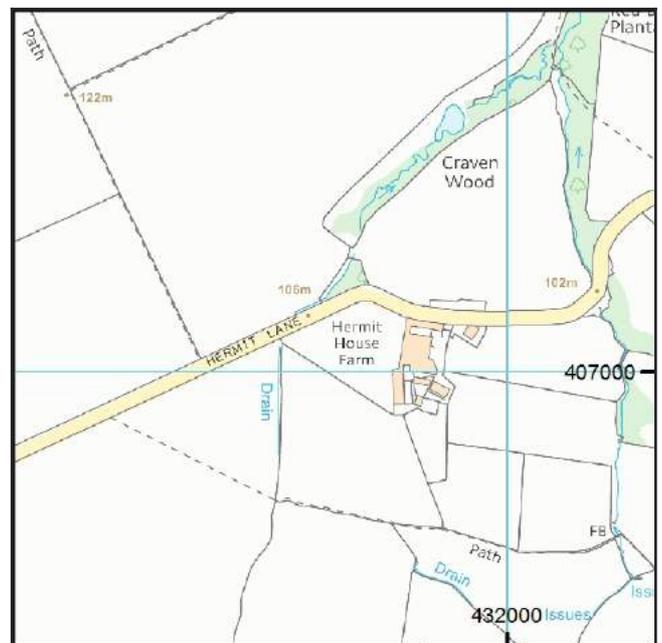
200 Lichfield Lane
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NG18 4RG

www.groundstability.com

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Approximate position of property



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Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	Yes
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	Yes
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	Yes
13	Working facilities order	No
14	Payments to owners of former copyhold land	No

Further recommended reports
Mine entry interpretive report
Mine entry plan and data sheets
Coal mining subsidence claims 50m buffer report
Coal mining subsidence claims history

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 7 seams of coal at shallow to 350m depth, and last worked in 1983.

2. Present underground coal mining

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

3. Future underground coal mining

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

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

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

However, reserves of coal exist in the local area which could be worked at some time in the future.

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

4. Mine entries

Within, or within 20 metres of, the boundary of the property there are 14 mine entries, the approximate positions of which are shown on the enquiry boundary plot.

Our records disclose the following information:

432406-014. has probably been removed to some extent by opencast mining

432406-013. No treatment details.

431406-003. has probably been removed to some extent by opencast mining

431406-005. has probably been removed to some extent by opencast mining

432407-008. No treatment details.

432406-017. No treatment details.

432406-015. No treatment details.

432406-018. No treatment details.

431406-004. has probably been removed to some extent by opencast mining

431406-002. has probably been removed to some extent by opencast mining

431406-006. has probably been removed to some extent by opencast mining

432406-019. No treatment details.

432406-011. No treatment details.

432406-016. No treatment details.

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

For an additional fee, the Coal Authority can provide a Mine Entry Interpretive Report. The report will provide a separate assessment for the mine entry/entries referred to in this report. It gives an opinion on the likelihood of mining subsidence damage caused from ground movement as a consequence of the mine entry/entries. It also gives details of the remedies available for subsidence damage where the mine entry was sunk in connection with coal mining.

Please note that it may not be possible to produce a report if the main building to the property cannot be identified from Coal Authority plans (ie for development sites and new build).

For further advice on how to order this additional information please visit www.groundstability.com.

5. Coal mining geology

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

6. Past opencast coal mining

The property is within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining

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

8. Future opencast coal mining

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

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

9. Coal mining subsidence

A damage notice or claim for alleged subsidence damage was made in November 2003 for 1 WHARFEDALE ROAD, BARNSELY, SOUTH YORKSHIRE, S75 2LJ. However, the claim was rejected.

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

There are a further 2 claim(s) within 50 metres of the property boundary that do not match the property address. These are shown on the enquiry boundary plot.

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.

If further subsidence damage claims information is required, please visit www.groundstability.com.

10. Mine gas

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

11. Hazards related to coal mining

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

12. Withdrawal of support

The property is in an area where notices to withdraw support were given in 1956, 1976, 1977 and 1987.

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

13. Working facilities order

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

14. Payments to owners of former copyhold land

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

Comments on the Coal Authority information

The Coal Authority own the copyright in this report and the information used is protected by our database right.

The boundary plot shows the approximate location of the disused mine entry/entries referred to in this report. For reasons of clarity, mine entry symbols may not be drawn to the same scale as the plan.

Property owners have the benefit of statutory protection (under the Coal Mining Subsidence Act 1991*). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage from disused coal mine workings including disused coal mine entries. A leaflet setting out the rights and obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by visiting www.groundstability.com.

If you wish to discuss the relevance of any of the information contained in this report, you should seek the advice of a qualified mining engineer or surveyor. If you or your advisor wish to examine the source plans from which the information has been taken, these are available to view, free of charge, at our Head Office in Mansfield. To book an appointment please ring 01623 637225. Should you or your advisor wish to carry out a physical investigation that may enter, disturb or interfere with any disused mine entry, prior permission of the owner must be sought. For coal mine entries, the owner will normally be the Coal Authority.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused mine entries). Our emergency telephone number is 01623 646333.

*Note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore 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 good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's CON29M Coal Mining enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority's Terms and Conditions applicable at the time the report was produced.

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Alternative formats

If you would like this report in an alternative format, please contact our communications team.

Enquiry boundary

The map image is too large for this page and will be sent in a separate document

How to contact us

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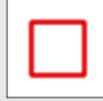
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Enquiry boundary

Key

Approximate position of enquiry boundary shown



Disused adit



Disused mineshaft



Coal claims



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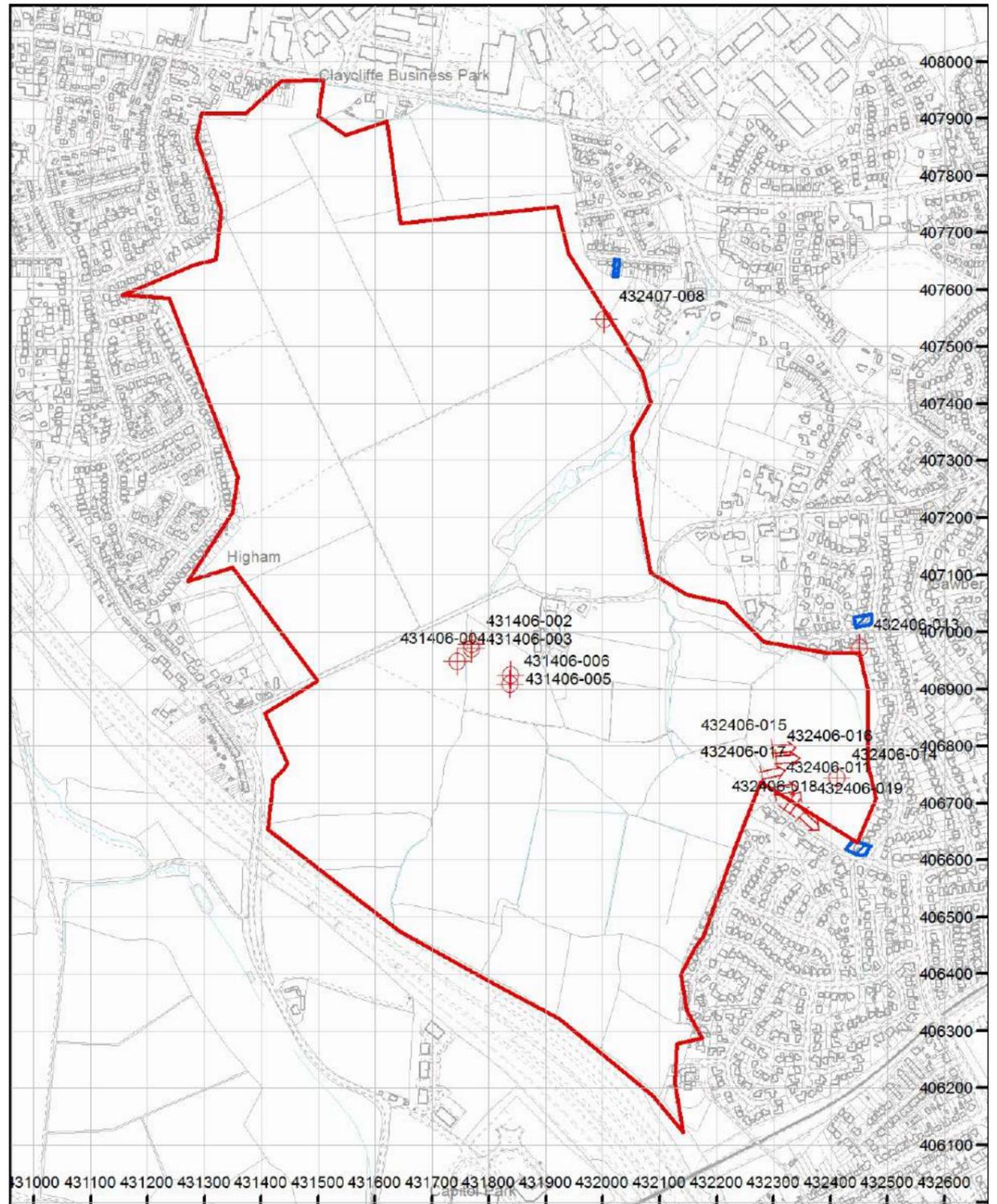
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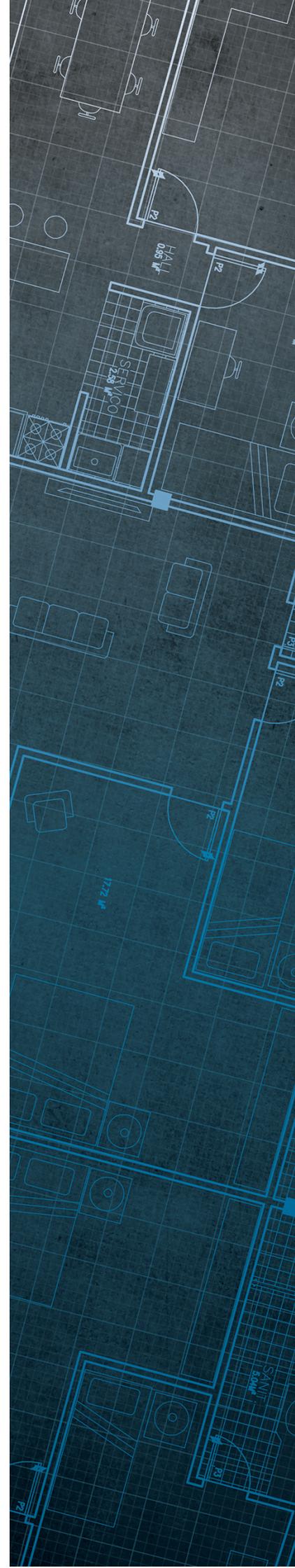
The Coal
Authority

Consultants Coal Mining Report

Barnsley West
South Yorkshire

Date of enquiry: 28 November 2018
Date enquiry received: 28 November 2018
Issue date: 28 November 2018

Our reference: 51001983537002
Your reference: 4848/JBW



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

JPG (LEEDS) LIMITED

Enquiry address

Barnsley West
South Yorkshire

How to contact us

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+44 (0)1623 637 000 (International)

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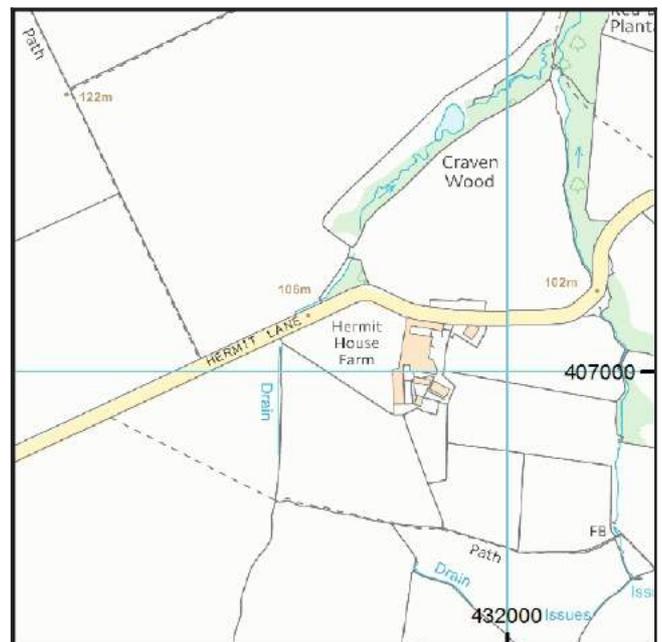
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Approximate position of property



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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
POGMOOR	BARNSLEY	Coal	6Z77	6	Beneath Property	4.7	North-East	297	1926
FARMHOUSE LANE	BARNSLEY	Coal	6Z78	11	Beneath Property	2.6	North-East	295	1910
FARMHOUSE LANE	BARNSLEY	Coal	6Z79	16	Beneath Property	2.5	North-East	297	1900
DODWORTH	FLOCKTON THICK	Coal	6NKR	86	Beneath Property	3.8	North-East	68	1958
DODWORTH	FLOCKTON THICK	Coal	6NJR	96	Beneath Property	3.8	North-East	71	1959
DODWORTH	FLOCKTON THICK	Coal	64CW	103	Beneath Property	3.9	North-East	61	1916
DODWORTH	FLOCKTON THICK	Coal	6Z7P	108	Beneath Property	4.5	North-East	70	1915
DODWORTH	FLOCKTON THICK	Coal	6Z6U	110	Beneath Property	4.1	North-East	76	1950
DODWORTH	FLOCKTON THICK	Coal	64CV	127	Beneath Property	5.2	North-East	66	1950
DODWORTH	FLOCKTON THICK	Coal	6Z7Q	127	Beneath Property	3.6	North-East	69	1950
DODWORTH	TOP FENTON	Coal	6NCR	128	Beneath Property	2.7	North-East	79	1943
DODWORTH	TOP FENTON	Coal	6NDR	133	Beneath Property	3.3	East	81	1958
DODWORTH	FLOCKTON THICK	Coal	6NLR	133	Beneath Property	2.8	North-East	70	1952
DODWORTH	TOP FENTON	Coal	64CR	144	Beneath Property	3.9	North-East	74	1910
DODWORTH	FENTON	Coal	6NNT	146	North	3.4	North-East	91	1958
DODWORTH	FLOCKTON THICK	Coal	6Z7R	147	Beneath Property	3.2	North-East	70	1954
DODWORTH	TOP FENTON	Coal	6NER	147	North-East	3.1	North	86	1958
DODWORTH	TOP FENTON	Coal	6Z7S	149	Beneath Property	4.6	North-East	91	1935
DODWORTH	TOP FENTON	Coal	6Z6S	153	Beneath Property	4.7	North-East	81	1935
unnamed	TOP FENTON	Coal	64CQ	159	Beneath Property	3.4	North-East	74	1930
DODWORTH	TOP FENTON	Coal	6Z7U	163	Beneath Property	2.7	South	86	1936
DODWORTH	TOP FENTON	Coal	64CP	170	Beneath Property	5.3	North-West	74	1936

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
DODWORTH	PARKGATE	Coal	64CV	171	Beneath Property	2.2	North-East	137	1950
DODWORTH	PARKGATE	Coal	6Z7X	173	Beneath Property	4.7	North-East	137	1921
DODWORTH	PARKGATE	Coal	6IEF	175	South	3.8	North-East	137	1915
STANHOPE SILKSTONE	SILKSTONE	Coal	6NDS	213	Beneath Property	4.4	North-East	107	1928
DODWORTH	TOP FENTON	Coal	626T	221	North-East	3.8	North-East	185	1930
DODWORTH	SILKSTONE	Coal	6NHS	226	Beneath Property	3.9	North-East	105	1977
STANHOPE SILKSTONE	SILKSTONE	Coal	6NCV	240	North	3.9	North-East	107	1928
HIGHAM	SILKSTONE	Coal	6NES	243	West	3.6	North-East	147	1880
DODWORTH	SILKSTONE	Coal	6Z70	244	Beneath Property	4.3	North-East	105	1971
DODWORTH HIGHAM	SILKSTONE	Coal	64D3	245	Beneath Property	4.1	North-East	147	1891
unnamed	SILKSTONE	Coal	6NFS	246	Beneath Property	4.7	North-East	107	1928
ROB ROYD	SILKSTONE	Coal	6Z80	248	South-West	4.1	North-East	176	1933
unnamed	SILKSTONE	Coal	6I53	251	South-West	3.7	North-East	147	1883
DODWORTH	SILKSTONE	Coal	6Z7Z	255	Beneath Property	2.6	East	105	1944
DODWORTH	SILKSTONE	Coal	6Z7Y	256	Beneath Property	3.8	North-East	147	1893
ROB ROYD	SILKSTONE	Coal	6IEJ	257	South	4.2	North-East	167	1935
unnamed	SILKSTONE	Coal	64D2	260	Beneath Property	3.4	North-East	147	1927
DODWORTH	SILKSTONE	Coal	6NGS	269	North-East	4.0	North-East	105	1979
DODWORTH	SILKSTONE	Coal	6NDW	274	North-East	3.0	North-East	100	1978
WOOLLEY/REDBROOK	WHINMOOR	Coal	64D9	287	Beneath Property	4.1	North-East	107	1965
DODWORTH	SILKSTONE	Coal	4VL6	289	Beneath Property	3.7	North-East	105	1972
WOOLLEY/REDBROOK	WHINMOOR	Coal	Z23A	294	Beneath Property	4.4	North-East	102	1983
WOOLLEY/REDBROOK	WHINMOOR	Coal	6Z72	295	Beneath Property	4.8	North-East	107	1979
WOOLLEY/REDBROOK	WHINMOOR	Coal	Z23A	297	Beneath Property	5.2	North-East	108	1983
WOOLLEY	WHINMOOR	Coal	6NLS	298	Beneath Property	4.3	North-East	107	1979
WOOLLEY	WHINMOOR	Coal	6Z7H	301	Beneath Property	3.8	North-East	109	1969

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
WOOLLEY	WHINMOOR	Coal	6NEV	321	North-East	4.8	North-East	115	1978
WOOLLEY	WHINMOOR	Coal	Z89	326	North-East	5.2	North-East	107	1980
WOOLLEY/REDBROOK	WHINMOOR	Coal	6Z75	343	North-East	4.7	North-East	110	1977
WOOLLEY/REDBROOK	WHINMOOR	Coal	6Z71	349	North-East	3.3	North-East	105	1976

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

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

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	431406-002	431771 406978	has probably been removed to some extent by opencast mining	Coal	
Shaft	431406-003	431771 406971	has probably been removed to some extent by opencast mining	Coal	
Shaft	431406-004	431746 406949	has probably been removed to some extent by opencast mining	Coal	
Shaft	431406-005	431840 406925	has probably been removed to some extent by opencast mining	Coal	
Shaft	431406-006	431838 406909	has probably been removed to some extent by opencast mining	Coal	
Shaft	432406-002	432364 406628		Coal	
Adit	432406-011	432302 406721		Coal	
Shaft	432406-012	432423 406995		Coal	
Shaft	432406-013	432452 406972		Coal	
Shaft	432406-014	432413 406745	has probably been removed to some extent by opencast mining	Coal	
Adit	432406-015	432298 406795		Coal	
Adit	432406-016	432305 406777		Coal	
Adit	432406-017	432280 406747		Coal	
Adit	432406-018	432324 406686		Coal	
Adit	432406-019	432349 406680		Coal	
Shaft	432406-020	432507 406628	was not encountered during drilling works undertaken by Abatech prior to development in 2007. We have no record of what steps, if any, have been taken to treat this shaft	Coal	
Shaft	432406-021	432509 406615		Coal	
Shaft	432406-031	432519 406627		Coal	
Shaft	432407-008	432004 407548		Coal	
Shaft	432407-019	432435 407008		Coal	

Abandoned mine plan catalogue numbers

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

12461	NE3	FGB6
7196	7198	NE565
NE1050	SY36	7698

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
BARNSLEY	Coal	Yes	Within	N/A	12
BARNSLEY	Coal	Yes	Within	N/A	340
DUNSIL	Coal	Yes	Within	N/A	0
DUNSIL	Coal	Yes	Within	N/A	342
SWALLOW WOOD	Coal	Yes	Within	N/A	164
SWALLOW WOOD	Coal	Yes	17.8	South-West	317
TOP HAIGH MOOR	Coal	Yes	49.2	South-West	318
TOP HAIGH MOOR	Coal	Yes	Within	N/A	319

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

Please refer to the "Summary of findings" map (on separate sheet) for details of any opencast areas 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

A damage notice or claim for alleged subsidence damage was made in November 2003 for 1 WHARFEDALE ROAD, BARNSLEY, SOUTH YORKSHIRE, S75 2LJ. However, the claim was rejected.

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

There are a further 2 claim(s) within 50 metres of the property boundary that do not match the property address. These are shown on the enquiry boundary plot.

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.

If further subsidence damage claims information is required, please visit www.groundstability.com.

See Section 4 for further information.

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 in an area where notices to withdraw support were given in 1956, 1976, 1977 and 1987.

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.

Coal mining subsidence

The site is within an area of previous interest. It is close to where the Coal Authority or licensed mine operator has investigated and where necessary remediated issues relating to coal mining subsidence.

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

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.

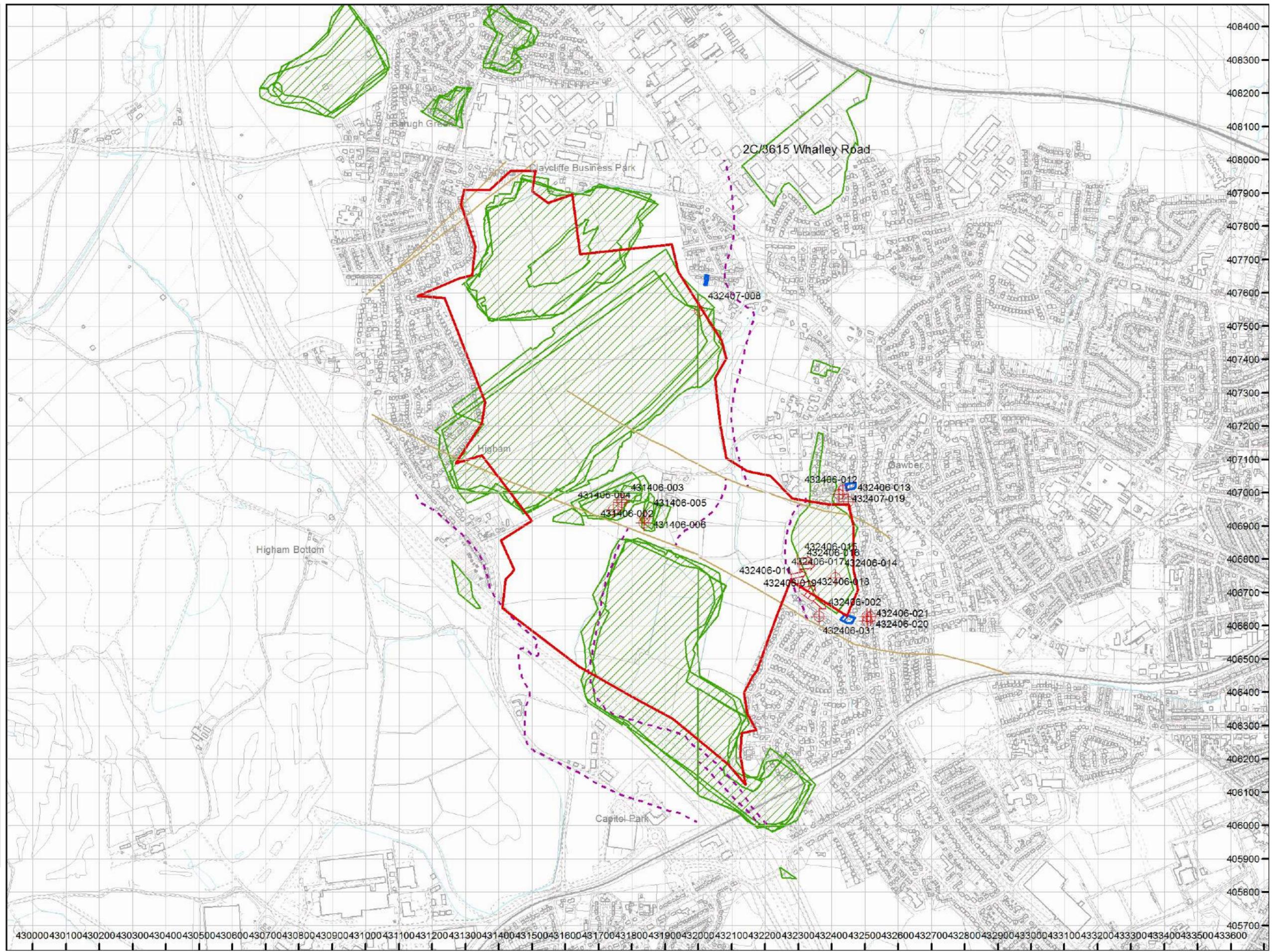
Payment to owners of former copyhold land

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 (Conjectured) 
- Geological faults 
- Opencast mine licence area 
- Unlicensed opencast site 
- Coal claim 



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



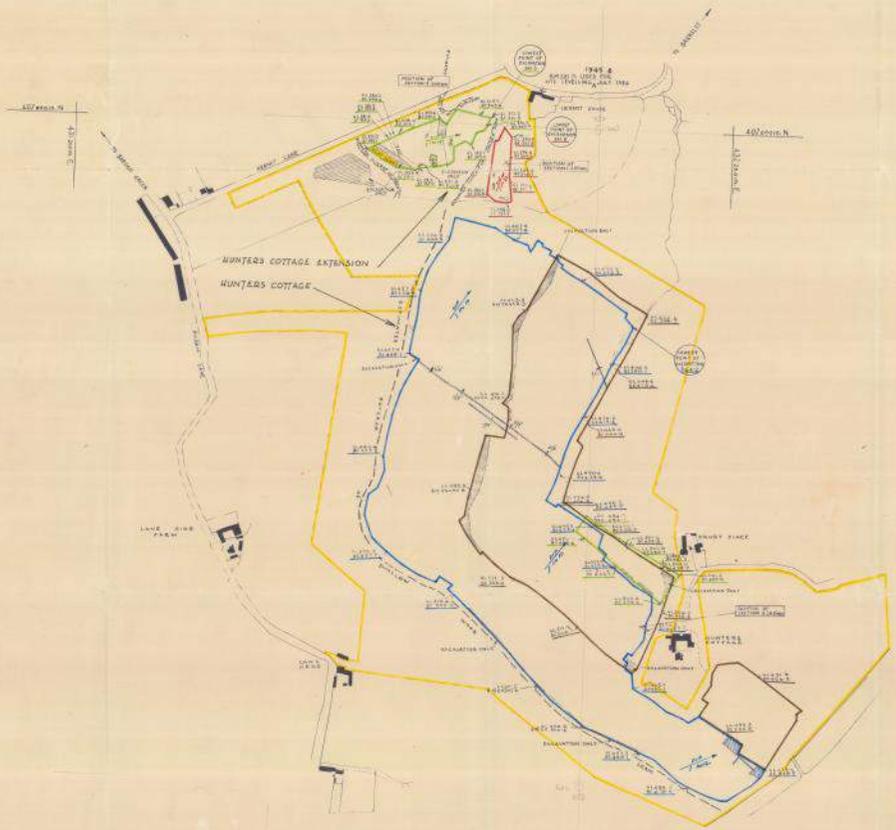
Appendix F Coal Authority Abandonment Plans (Opencast Only)

LEGEND

LOCATION
 1:2500 SCALE ORDNANCE SHEET REFERENCE: ST4.E. 274-4
 DATE OF ORDNANCE SHEET: 1931
 NAME OF SITE: CRAVEN I & II
 LOCATION OF SITE: 2 MILES NW OF BARNESLEY
 COUNTY: YORKSHIRE, WEST RIDING
 PARISH: BARTON

VERTICAL SECTION THROUGH ALL SEAMS





LEGEND

LOCATION
 1:2500 SCALE ORDNANCE SHEET REFERENCE: S. 6220, 6. 5. 20.
 DATE OF ORDNANCE SHEET: 1931.
 NAME OF SITE: HUNTERS COTTAGE & EXTENSION.
 LOCATION OF SITE: 1 MILE WEST OF BARNESLEY.
 COUNTY: WARRICKSHIRE.
 PARISH: EASTON, BARNESLEY, PARISH.

QUANTITIES WORKED
 TOTAL AREA ACQUISITIONED: 1.44-922 ACRES SHOWN.
 TOTAL AREA WORKED EXCLUDING RAILWAYS: 4.4-23 ACRES.
 TOTAL COAL RECOVERED FROM ABOVE: 2,200,000 TONS.

NAMES OF SEAMS WORKED FOR ABOVE TONNAGE
 (THIS TABLE MUST BE SET IN ORDER OF DEPOSIT, DEEPEST FIRST)

SEAM	THICKNESS	WORKED	RECOVERED	REMARKS
SEAM 1	12	74	900	
SEAM 2	12	74	900	
SEAM 3	12	74	900	
SEAM 4	12	74	900	
SEAM 5	12	74	900	

AREA OF COAL SEAM WORKED COLOUR EDGED
 (THIS TABLE MUST BE SET IN ORDER OF DEPOSIT, DEEPEST FIRST)

TOTAL OLD WORKING VOIDS IN COAL SEAM IN CUBIC YDS

AREA OF SEAM WHERE OLD WORKING VOIDS WERE LOCATED

DIP AND DIRECTION OF EACH SEAM SHOWN

INDICATE LEVELS TO ORDNANCE DATUM SHOWN | **GROUND LEVEL**
 RELATIVE TO: 100 FT. | **BOTTOM OF COAL**

FAULTS SHOWN WITH THROW IN FEET ON DOWNSLOW SIDE

GENERAL DESCRIPTION

TYPE OF LAND: AGRICULTURAL & WOODLAND

NATURE OF OVERBURDEN: TOPSOIL, CLAY & MUDSTONE

NATURE OF COAL: FAIR QUALITY

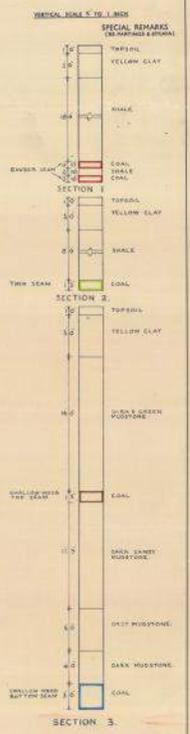
SPECIAL REMARKS:

OPERATIONAL DATA

DATE	OPERATIONS	WORKERS	REMARKS
10-2-45	MINERAL RIGHTS	1-2-45 (1945)	
12-11-45	COMMENCEMENT OF COALING	1-10-54	
10-2-50	COMPLETION OF COALING	2-11-54	
1-20-50	COMPLETION OF RESOLVING	2-2-56	
4-20-50	SITE HANDLED BACK TO AGRICULTURE	29-5-56 (1957)	
	FINAL DEMOLITION OF SITE		

COPY SENT TO	DATE	INITIALS

VERTICAL SECTION THROUGH ALL SEAMS



NATIONAL COAL BOARD
 OPERATIONS EXECUTIVE
 26/67 JEREMY STREET
 LONDON, S.W.1

LAND SURVEY BRANCH
 DRAWN BY: M. J. LINDLEY
 DATE: 4.11.54
 CHECKED BY: M. J. LINDLEY
 DATE: 4.11.54
 SCALE: 1:2500

NAME OF ZONE
 OR CONTRACT

NAME OF SITE **HUNTERS COTTAGE & EXTENSION**

SITE REFERENCE NUMBER: O 30102 B.
 OPERATIONAL CONTRACT NUMBER: OE/CON/3976.
 DRAWING NUMBER: OE/COMP/03/121

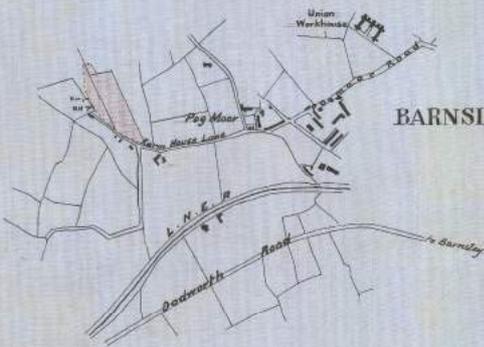
FARM HOUSE LANE COLLIERY

N° 2 MINE

Barnsley Bed Pillars

JP 10
28/1/2012
13223

SKETCH PLAN

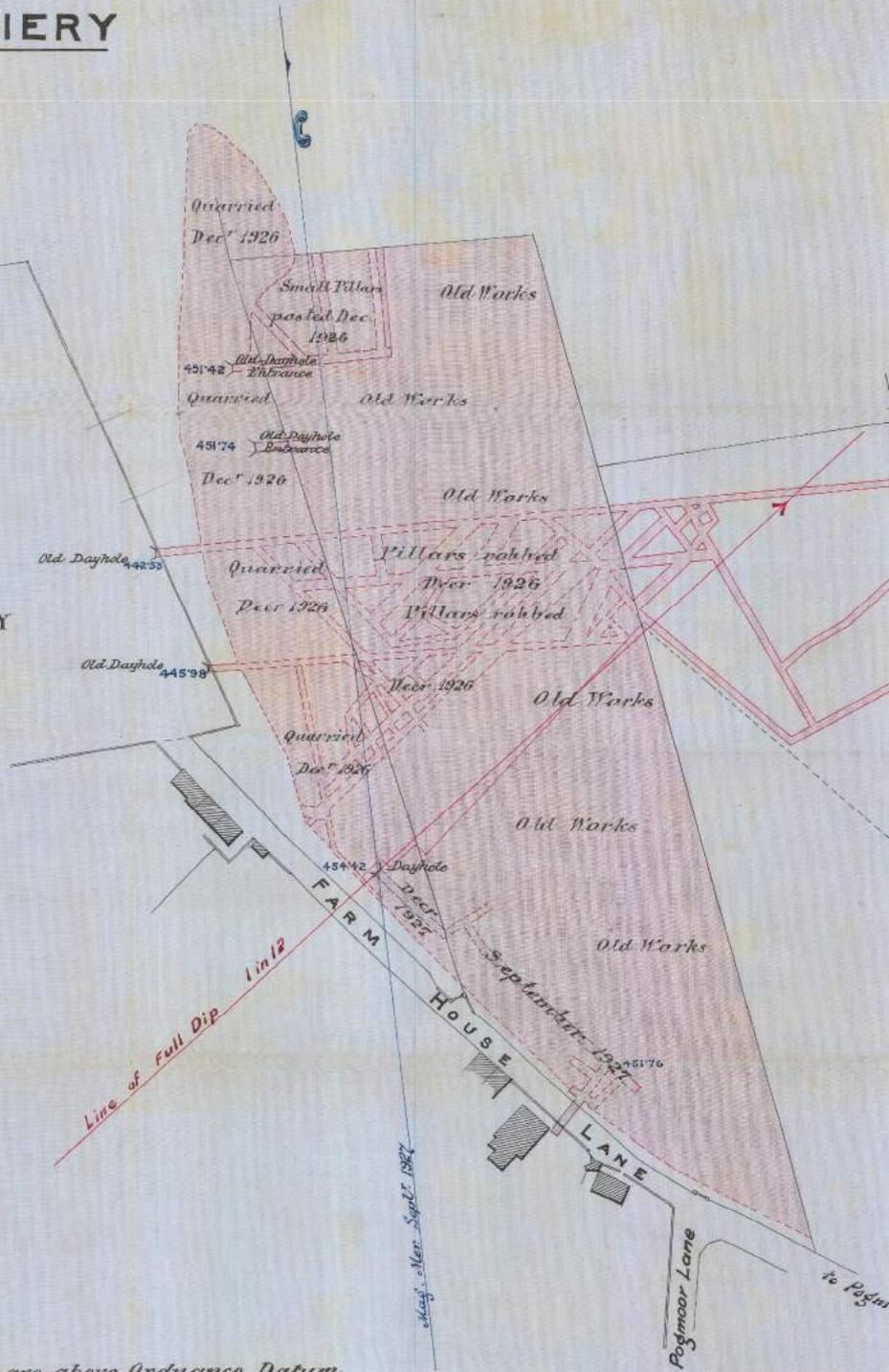


Scale: 6 Inches to 1 Mile

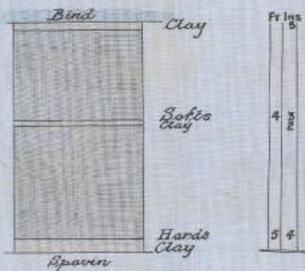
O.M.'s 274 N.E., N.W., S.E., S.W. YORKS. W. R.

Longitude: 1° 30' 42"

Latitude: 53° 33' 22"



SECTION OF SEAM



All levels are above Ordnance Datum

Scale: 1 Chain to 1 Inch

This plan is a true copy of the working plan of the mine as completed up to the 16th January 1928, and I certify, after thorough examination and enquiry, that to the best of my knowledge and belief it is an accurate plan of the mine.

Robert B Beilly

Surveyors Certificate N° 72 (1914)

Fennell
W

Catalogue No.: 9196 Sheet Info:

Date: 20/10/2017

Scale: 1 CHAIN TO 1 INCH (1 TO 792)

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Steve Meredith 2 - The Coal Authority, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG, UK

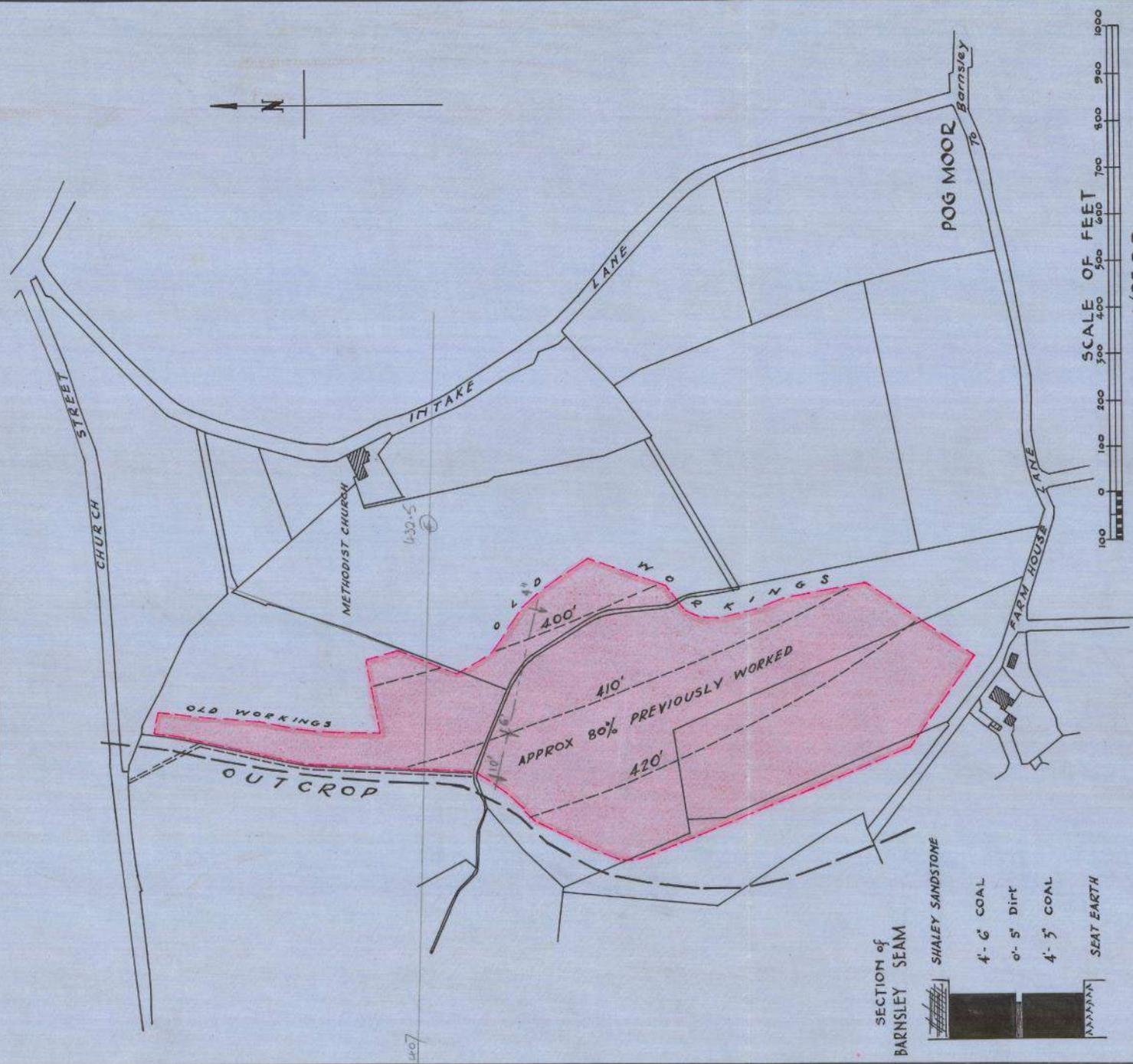
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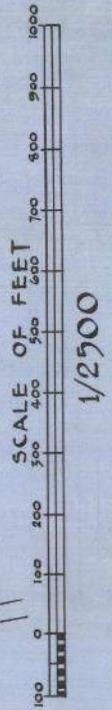
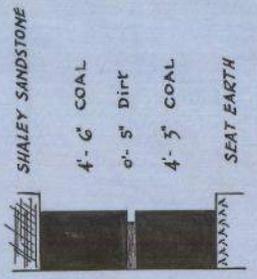
FARM HOUSE LANE ~ PRIVATE OPENCAST SITE

N.E.415.

WORKED by F.J. SWAIN LTD.,
ABANDONED Nov., 1960.



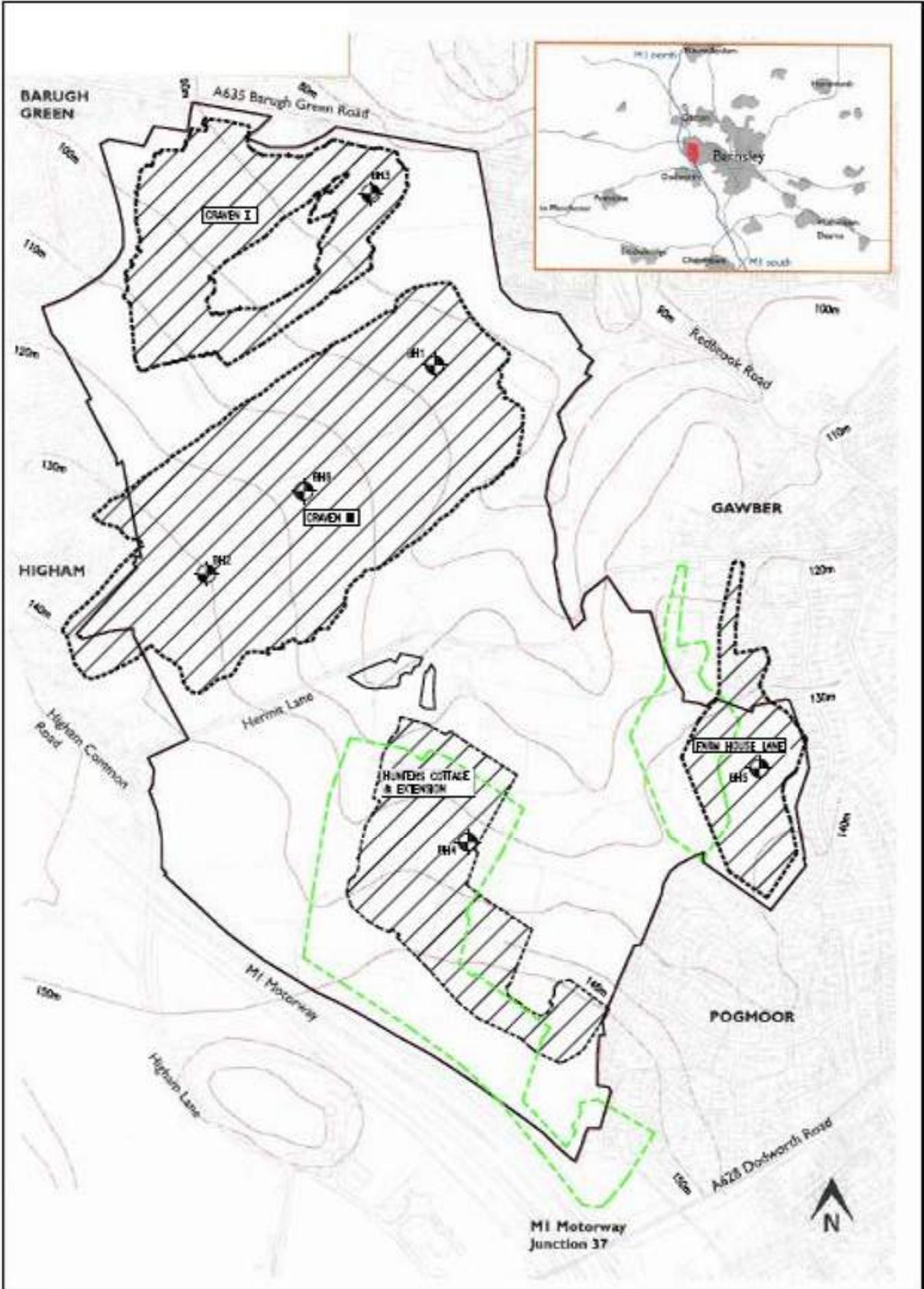
SECTION of
BARNSLEY SEAM



O.S. REF. 274-G-7



Appendix G Historical Exploratory Hole Records & Plan



WELLHEAD DRILLING COMPANY

Date 11-9-13

Wellhead House
Hall Lane
Chapelthorpe
Wakefield
WF4 3JE

Telephone:
01924 257003
Fax:
01924 252136

Site Name

Job No.

Borehole No.

36284

REDBROOK

BH2.

DESCRIPTION OF STRATA					DEPTH TO BASE OF STRATA FROM G/L(m)	SAMPLES AND IN SITU TESTING										CASING & WATER DEPTH		
Soft / Firm Stiff Loose / Dense	Colour Fine Coarse Medium	Clayey Silty Sandy etc	SOIL TYPE	Sand Bands Cobbles etc		Type No	Depth (m)		U blows	S.P.T. / C.P.T. mm							Water	Casing
							From	To		0 to 75	75 to 150	150 to 225	225 to 300	300 to 375	375 to 450			
GRASS OVER BROWN CLAY/SANDY TOP SOIL.					0.25	D1	0.20											
BROWN/YELLOW BROWN FIRM-STIFF SANDY CLAY OCCASIONAL GREEN MUD- STONE ROCKETS + GRAVELS OF COAL SAND/MUDSTONE SILTSTONE.					1.80	D2	0.80											
						D3	1.80											
						SD4	2.05	2.50		3	2	2	4	5	4	/	2	
						D5	3M											
COLLIERY SPOIL - MIXED MUD/ SILTSTONES, Green Brown, + CLAYS occ COAL, FIRM-STIFF MUCH SILTSTONE BOUNDBLES AROUND 8.5m.					9.90	D6	4.05	4.50	27							/	3	
						D7	4.50	4.65	10									
						D8	5.50											
						SD9	6.05	6.50		2	4	3	3	5	16	/	3	
MODERATELY STRONG SILTSTONE BEDROCK.					10.54	D10	7M											
						U11	8.05	8.50	47							/	3	
END						D12	8.50	8.65	17									
						D13	9.50											
						SD14	10.10	10.24		10	15/45	50/99				/	3	
						SD15	10.50	10.54		25/13	50/27					/	3	
BH COMPLETED					YES	NO	FINAL DEPTH											

CASING		
SIZE (mm)	FROM (mm)	TO (mm)
150	90	3m

GROUNDWATER DETAILS									
DATE	TIME	DEPTH OF FLOW	RATE OF FLOW	RISING TO MINS				CASING DEPTH	SEALED
				5	10	15	20		

DELAYS / BAD ACCESS / HARD STRATA etc.			
Cause & Time Encountered	From (m)	To (m)	Time (hr)
CHISEL	990	1010	1/2HR
CHISEL	1030	1050	1/2HR

REMARKS	STANDPIPE DETAILS	
	FROM	TO
50mm PIPES (CONSTRUCTION) <u>1 1/2 HR</u>	PLAIN PIPE	90 1m
	SLOTTED PIPE	1M 1050
	GRAVEL - FILTER	1M 1050
	BENTONITE	1M 050
	SEALS	
	STOPCOCK COVER	✓
GAS VALVE & BUNG	✓	

SIGNATURES:
Driller..... CRAIG ROBERTS.....
Client.....

WELLHEAD DRILLING COMPANY

Date 12-13/9-13

Wellhead House
Hall Lane
Chapelthorpe
Wakefield
WF4 3JE

Telephone:
01924 257003
Fax:
01924 252136

Site Name

Job No.

Borehole No.

36284

RODBROOK

BH 4

DESCRIPTION OF STRATA					DEPTH TO BASE OF STRATA FROM G/L(m)	SAMPLES AND IN SITU TESTING										CASING & WATER DEPTH		
Soft / Firm / Stiff / Loose / Dense	Colour: Fine Coarse / Medium	Clayey Silty Sandy etc	SOIL TYPE	Sand Bands Cobbles etc		Type No	Depth (m)		U blows	S.P.T. / C.P.T. mm							Water	Casing
							From	To		0 to 75	75 to 150	150 to 225	225 to 300	300 to 375	375 to 450			
GRASS OVER BROWN SANDY CLAY TOPSOIL					0.13	D1	0.80											
GREEN BROWN COLLIGY SPOIL (MUD, SILT STONES + CLAYS LITTLE COAL FIRM)							D2	1.80										
SOFTER BELOW 2m					5.10	U3	2.05	2.50	18								/	2.0
BECOMING U GRAVELLY BELOW S-1m WITH CLAY BANDS							D4	2.50	2.65	8								
FIRM CLAY COLLIGY SPOIL MUD-SILTSTONE - COAL					6.20	D5	3.80											
U GRAVELLY AGAIN WITH CLAY BANDS POCKETS							SD6	4.05	4.50	2	2	1	2	3	2	/	4.0	
END SHIFT					7.60	D7	4.80											
							D8	5.80										
					10.0m	SD9	6.05	6.50	2	2	3	3	4	8	4	4	6.0	
							D10	6.80										
						D11	7.80											
							SD12	8.05	8.50	2	3	2	3	3	4	4.5	8.0	
						D13	8.80											
							D14	9.80										
						SD13	10.05	10.50	5	5	4	3	4	4	4	4	10.0	
BH COMPLETED		YES	<input checked="" type="radio"/>	NO	FINAL DEPTH													

CASING		
SIZE (mm)	FROM (mm)	TO (mm)
150	GL	10M

GROUNDWATER DETAILS									
DATE	TIME	DEPTH OF FLOW	RATE OF FLOW	RISING TO MINS				CASING DEPTH	SEALED
				5	10	15	20		
			5.1					20mms	

DELAYS / BAD ACCESS / HARD STRATA etc.			
Cause & Time Encountered	From (m)	To (m)	Time (hrs)

REMARKS	STANDPIPE DETAILS	
	FROM	TO
AWAIT ACCESS 1HR	PLAIN PIPE	
	SLOTTED PIPE	
	GRAVEL - FILTER	
	BENTONITE	
	SEALS	
	STOPCOCK COVER	
GAS VALVE & BUNG		

SIGNATURES:
Driller... CRAIG ROBERTS
Client.....

WELLHEAD DRILLING COMPANY

Date 17/18-9-13

Wellhead House
Hall Lane
Chapelthorpe
Wakefield
WF4 3JE

Telephone:
01924 257003
Fax:
01924 252136

Site Name

Job No.

Borehole No.

36284

RSD Brook

BH 6

DESCRIPTION OF STRATA					DEPTH TO BASE OF STRATA FROM G/L(m)	SAMPLES AND IN SITU TESTING								CASING & WATER DEPTH			
Soft / Firm Stiff	Colour Fine Coarse Medium	Clayey Silty Sandy etc	SOIL TYPE	Sand Bands Cobbles etc		Type No	Depth (m)		U blows	S.P.T. / C.P.T. mm						Water	Casing
							From	To		0 to 75	75 to 150	150 to 225	225 to 300	300 to 375	375 to 450		
						D1	00										
					0.20	D2	0.20										
						D3	0.50										
					0.80	D4	1.20										
						S05	2.05	2.50	5	5	9	4	5	4	/	2.0	
						D6	2.80										
						D7	3.80										
						S08	4.05	4.50	5	8	6	5	6	7	/	4.0	
						D9	4.80										
					8.70	D10	5.30										
						S11	6.05	6.50	NR	7	6	6	4	4	3	/	6.0
						D12	6.80										
					9.04	D13	7.80										
						S014	8.05	8.50	7	6	7	10	11	10	/	7.5	
						S015	8.70	8.77	25/31		50/43				/	7.5	
						S16	9.0	9.04	25/10		50/15				/	7.5	
BH COMPLETED					YES	NO	FINAL DEPTH										

CASING		
SIZE (mm)	FROM (mm)	TO (mm)
150	GL	7.5

GROUNDWATER DETAILS									
DATE	TIME	DEPTH OF FLOW	RATE OF FLOW	RISING TO MINS				CASING DEPTH	SEALED
				5	10	15	20		
	DRY								

DELAYS / BAD ACCESS / HARD STRATA etc.			
Cause & Time Encountered	From (m)	To (m)	Time (hr)
CHISEL	8.80	9.0	1HR

REMARKS	STANDPIPE DETAILS		
PIPE CONSTRUCTED 1 1/2 HR	FROM	TO	
	PLAIN PIPE	GL	1m
	SLOTTED PIPE	1m	9m
	GRAVEL - FILTER	1m	9m
	BENTONITE	1m	0.5
	SEALS		
	STOPCOCK COVER		✓
GAS VALVE & BUNG		✓	

SIGNATURES:

Driller..... CRAIG ROBERTS.....

Client.....

WELLHEAD DRILLING COMPANY

Date 16/17 - 9 - 13

Wellhead House
Hall Lane
Chapelthorpe
Wakefield
WF4 3JE

Telephone:
01924 257003
Fax:
01924 252136

Site Name

Job No.

Borehole No.

REDBROOK

36284

BHS

DESCRIPTION OF STRATA					DEPTH TO BASE OF STRATA FROM G/L(m)	SAMPLES AND IN SITU TESTING								CASING & WATER DEPTH			
Soft / Firm Stiff Loose / Dense	Colour Fine Coarse Medium	Clayey Silty Sandy etc	SOIL TYPE	Sand Bands Cobbles etc		Type No	Depth (m)		U blows	S.P.T. / C.P.T. mm						Water	Casing
							From	To		0 to 75	75 to 150	150 to 225	225 to 300	300 to 375	375 to 450		
BROWN SANDY CLAY - TOPSOIL					0.25	D1	0.20										
PALE BROWN / BROWN. GRAY MIXED CLAYS + MUDSTONE, SILT BRICK COAL GRAVELS					0.90	D2	0.80										
BROWN / GRAY U STIFF SANDY CLAYS + GRAVELS OF MUD-SILT STONE SOME COAL + SOME RED BROWN POCKETS BELOW 2m.					3.10	D3	1.80										
RED BROWN / GRAY / BRICK BROWN FRIABLE STIFF SANDY CLAY + MUCH MUD / SILTSTONE GRAVELS + COBBLES RARE COAL MUCH MUDSTONE LITTLE CLAY BELOW 6m. U STIFF					8.30	S04	2.05	2.50	3	4	3	3	2	2	/	1.50	
						D5	2.80										
						D6	3.80										
						U7	4.05	4.50	28						/	4	
						D8	4.50	4.65	17								
						D9	5.80										
						S010	6.05	6.50	3	6	11	16	23/28	/	6		
						D11	6.80										
						D12	7.80										
RED BROWN / DK GRAY MODERATELY STRONG SILTSTONE / SANDSTONE						S013	8.05	8.42	5	7	10	23	27/31	/	7.5		
						S014	8.55	8.61	25/31		30/29			/	7.5		
BH COMPLETED																	
YES																	
NO																	
FINAL DEPTH					8.61												

CASING		
SIZE (mm)	FROM (mm)	TO (mm)
150	96	750

GROUNDWATER DETAILS									
DATE	TIME	DEPTH OF FLOW	RATE OF FLOW	RISING TO MINS				CASING DEPTH	SEALED
				5	10	15	20		
DRY									

DELAYS / BAD ACCESS / HARD STRATA etc.			
Cause & Time Encountered	From (m)	To (m)	Time (hr)
CHISEL	860	855	1HR

REMARKS	STANDPIPE DETAILS	
	FROM	TO
EXCESS MOVE 1HR PIPE CONSTRUCTED 1 1/2 HR	PLAIN PIPE	96 1m
	SLOTTED PIPE	1m 855
	GRAVEL - FILTER	1m 855
	BENTONITE	1m 0.5
	SEALS	
	STOPCOCK COVER	✓
	GAS VALVE & BUNG	✓

SIGNATURES:

Driller... CRAIG ROBERTS

Client.....



Appendix H Notes on Limitations



General

JPG (Leeds) Limited have prepared this report solely for the use of the Client and those parties with whom a warranty agreement has been executed, or with whom an assignment has been agreed. Should any third party wish to use or rely upon the contents of the report, written approval must be sought from JPG (Leeds) Limited; a charge may be levied against such approval.

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- b) the use of this document by any third party with whom an agreement has not been executed.

Phase I Desk Study Reports

The work undertaken to provide the basis of this report comprised a study of available documented information from a variety of sources (including any information provided by the Client), together with (where appropriate) a brief walk over inspection of the site and meetings and discussions with relevant authorities and other interested parties where appropriate. The opinions given in this report have been dictated by the finite data on which they are based and are relevant only for the purpose for which the report was commissioned. The information reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative data pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, JPG (Leeds) Limited reserves the right to review such information and if warranted, to modify the opinions accordingly.

It should be noted that any risks identified in this report are perceived risks based on the information reviewed; actual risks can only be assessed following a physical investigation of the site.

Phase II Geo-Environmental Investigations

The investigation of the site has been carried out to provide sufficient information concerning the type and degree of contamination, geotechnical characteristics and ground and groundwater conditions to allow a reasonable assessment of the environmental risks together with engineering and development implications.

The objectives of the investigation have been limited to establishing the risks associated with potential human receptors, building materials, the environment (including adjacent land) and controlled waters (surface water and groundwater).

The number of sampling points and the methods of sampling and testing do not preclude the existence of localised "hotspots" of contamination where concentrations may be significantly higher than those actually encountered.

The risk assessment and opinions provided, inter alia, take into consideration currently available guidance values relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values.

The scope of the investigation was selected on the basis of the specific development proposed by the Client and may be inappropriate to another form of development or scheme.

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