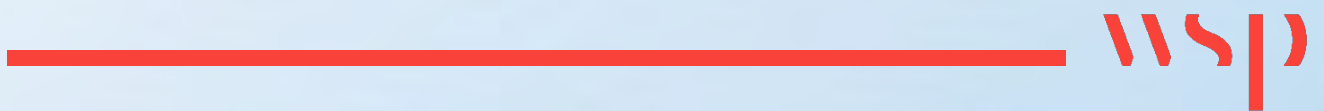


Appendix E

HISTORICAL SUMMARY



Low Farm Wakefield
Appendix E – Historical Summary

PARCEL 1		
Date & OS Map Scale	Key Site Features	Surrounding Area
1854-1855 1:10,560	Open grassed fields mapped as “Grange Park”	<p>Denby Grange mapped immediately west of the Parcel. The Rookery mapped immediately southeast of the parcel.</p> <p>Road mapped immediately south of the site along the site boundary.</p> <p>Four ponds and a sandstone quarry to the immediate east of Parcel 1.</p> <p>Sandstone Quarries approximately 170m and 320m west of the site.</p> <p>“Old Quarry” mapped 170m north of the parcel and 370m north west of the parcel.</p> <p>Well mapped 410m north of the parcel.</p> <p>“The Rough” pits and old coal pits mapped 520m south east of the parcel.</p> <p>Denby Grange Colliery mapped approximately 650m east of the parcel.</p> <p>The village of Flockton mapped 750m south of the parcel.</p>
1888-1891 1:10,560	No significant changes	<p>New Park mapped immediately south of the parcel.</p> <p>Residential properties mapped immediately west of the parcel</p> <p>Grange Ash Colliery mapped 280m south west of the parcel.</p>
1892 1:10,560 1893 1:2,500	Spring mapped in the north of the parcel	<p>Fish Pond and four ponds immediately south east and east of the parcel.</p> <p>Grange Wood mapped immediately north of the parcel.</p> <p>Pond mapped 200m west of the parcel, associated with the Lodge.</p>
1905 – 1907 1:10,560 1906 - 1907 1:2,500	No significant changes	No significant changes

Low Farm Wakefield

Appendix E – Historical Summary

PARCEL 1		
Date & OS Map Scale	Key Site Features	Surrounding Area
1919 1:2,500	No significant changes	Old Icehouses mapped to the north and approximately 80m southeast of the parcel.
1930 1:10,560	No significant changes	Engine House (Disused), Reservoir and shaft mapped 370m south of the parcel.
1930-1931 1:10,560 1932 1:2,500	Pheasantries mapped in the north of the parcel. No further significant changes.	Pit Hill Plantation mapped 300m east of the parcel.
1938 1:10,560	No significant changes	No significant changes.
1948 1:10,560	No significant changes	No significant changes
1951 – 1955 1:10,560	No significant changes	Recreation Ground mapped 460m southeast of the parcel
1960 1:2,500	The spring in the north of the parcel is no longer shown and there are less trees shown in the north and south west. The south eastern area is divided into fields.	Denby Grange Lane mapped along the western boundary of the parcel. Footpath running east-west, joining Denby Grange Lane mapped to the west of the parcel. Shaft mapped 10m north of the parcel. Pond mapped 250m west of the parcel.
1966 – 1967 1:10,560	Denby Grange Nurseries mapped on the western boundary of the parcel	Recreation Ground previously mapped to the southeast, shown as a Cricket Ground and allotment gardens.
1974 – 1978 1:2,500	No significant changes	No significant changes. <i>Noted that there is a discrepancy in the maps and the cricket ground and allotment gardens shown on earlier maps to be to the south east are incorrectly shown to be 250m north east of the parcel.</i>
1979 – 1982 1:10,000	No significant changes	No significant changes

Low Farm Wakefield
Appendix E – Historical Summary

PARCEL 1		
Date & OS Map Scale	Key Site Features	Surrounding Area
1990 1:2,500	No significant changes	Road to the south of the parcel is mapped as Wakefield Road
1993 1:10,000	No significant changes	Icehouse (disused) mapped immediately north of the parcel.
2001 1:10,000	No significant changes	No significant changes
2010 1:10,000	No significant changes	Denby Grange Lane (track) mapped approximately 100m north of the parcel.
2021 1:10,000	No significant changes	No significant changes

Low Farm Wakefield
Appendix E – Historical Summary

PARCELS 2, 3, 7 & 8		
Date & OS Map Scale	Key features on the site	Surrounding Area
1854 – 1855 1:10,560	<p>Sandstone Quarry mapped in Parcel 2 and immediately north of Parcel 7 & 8.</p> <p>Friar Park Wood mapped in Parcel 2 & 3.</p> <p>Parcels comprise open grassed fields divided by hedgerows</p>	<p>Harry Royd Clough Wood mapped immediately north of Parcels 7&8.</p> <p>Gozely Wood mapped immediately north of Parcel 2.</p> <p>Wakefield Road mapped immediately south of Parcel 2 & 3.</p> <p>Low House and associated pump mapped approximately 90m east of Parcel 3.</p> <p>Spring mapped 60m west of Parcel 2.</p> <p>The Rookery mapped 100m southwest of Parcel 2.</p> <p>The Rough Plantation and several old pits mapped approximately 300m south of Parcel 2.</p> <p>Sandstone Quarry mapped approximately 100m east of Parcel 3.</p> <p>Hope Pit and Coke Ovens mapped to the south east of Parcel 8, approximately 330m east of Parcel 3.</p> <p>Old Coal Pit mapped approximately 300m east of Parcel 8.</p> <p>Denby Grange Colliery and Blossom Pit mapped 250m southeast of Parcel 3.</p> <p>Lower Denby, Denby Lane and pump mapped 330m north of Parcel 2.</p> <p>Upper Denby mapped 350m northwest of Parcel 2.</p> <p>Well mapped 400m north west of Parcel 2.</p> <p>Old Sandstone Quarry mapped 360m north west of Parcel 2.</p> <p>Denby Grange mapped 500m west of Parcel 2.</p> <p>Cop House Quarry mapped 500m east of Parcel 8.</p>
1891 – 1892 1:10,560	<p>No significant changes to Parcels 1, 7, 8 & 9. Small depression shown in the northern area of Parcel 3, possibly associated with coal extraction.</p>	<p>Fish ponds mapped immediately west of Parcel 2.</p> <p>Reservoirs mapped 50m east of Parcel 3 and immediately south of Parcel 8.</p> <p>Denby Grange Colliery shown to have expanded to the east. Key features include; Kilns mapped 350m east of Parcel 3, 150m southeast of Parcel 8. Mineral Railway mapped 300m southeast of Parcel 8.</p>

Low Farm Wakefield

Appendix E – Historical Summary

PARCELS 2, 3, 7 & 8		
Date & OS Map Scale	Key features on the site	Surrounding Area
		<p>Three ponds mapped as part of “The Rough” 360m south of Parcel 2.</p> <p>Denby Wood mapped immediately north of Parcel 2, previously mapped as Gozely Wood. Public footpath running east-west through woodland mapped.</p>
1893 1:2,500	Old Quarry shown in western area of Parcel 2.	
1930 – 1931 1:10,560	<p>Fishponds Plantation and Pit Hill Plantation mapped in the south of Parcel 2.</p> <p>No further significant changes</p>	Denby Grange Colliery has expanded further to the south and east. The colliery complex comprises a number of shafts linked by mineral railways, filter tanks and unnamed buildings.
1938 1:10,560	No significant changes	No significant changes
1948 1:10,560	No significant changes	Denby Grange Colliery has reduced in size.
1951 – 1955 1:10,560	No significant changes	No significant changes
1960 1:2,500	<p>Old quarry in western area of Parcel 2 no longer shown.</p> <p>Depression in northern area of Parcel 3 no longer shown.</p>	No significant changes
1966-1967 1:10,560	No significant changes	<p>Poultry House mapped immediately east of Parcel 3, adjacent to Low Farm.</p> <p>Area previously occupied by Denby Grange Colliery is shown as a ‘Mine’.</p>
1982-1983 1:10,000	No significant changes	No significant changes
1992-1993 1:10,000	No significant changes	Poultry Farm no longer mapped immediately east of Parcel 3.

Low Farm Wakefield
Appendix E – Historical Summary

PARCELS 2, 3, 7 & 8

Date & OS Map Scale	Key features on the site	Surrounding Area
2001 1:10,000	No significant changes	No significant changes
2010 1:10,000	No significant changes	Museum mapped on southeast boundary of Parcel 8 and approximately 350m east of Parcel 8.
2021 1:10,000	No significant changes	No significant changes

Low Farm Wakefield
Appendix E – Historical Summary

PARCEL 4		
Date & OS Map Scale	Key features on the site	Surrounding Area
1854-1855 1:10,560	The parcel is shown as undeveloped land.	The parcel is bound by woodland to the west, north and south-east. Rough ground is located to the immediate north-east.
1904 - 1907 1:10,560	No significant changes.	No significant changes.
1930-1931 1:10,560	No significant changes.	A recreation ground (later cricket ground) and allotment gardens are shown to the south.
1951-1955 1:10,560	No significant changes.	No significant changes.
1988-1993 1:10,560	No significant changes.	No significant changes.
2001 1:10,560	No significant changes.	No significant changes.
2010 1:10,560	No significant changes.	No significant changes.

Low Farm Wakefield
Appendix E – Historical Summary

PARCELS 5 & 6		
Date & OS Map Scale	Key features on the site	Surrounding Area
1854-1855 1:10,560	The Denby Grange Colliery is shown in Parcel 5 including Blossom Pit in the east and two old coal pits in the west of Parcel 5. Parcel 6 is shown as largely undeveloped land.	Grange Lane crossed between the two parcels. Several old coal pits are shown in the vicinity of both parcels. A plantation is shown to the west of Parcel 5. Low House is located across Wakefield Road ca. 75m north of Parcel 6.
1893 1:2,500	Spoil heaps associated with the Denby Grange Colliery are shown at the centre and east of Parcel 5. Old shaft shown along the northern boundary of Parcel 5. Blossom Pit labelled as disused.	No significant changes.
1891-1892 1:10,560	Two small ponds are shown on Parcel 5 at the northern and eastern boundaries. Spoil heaps associated with the former Denby Grange Colliery are shown in the western half of Parcel 5.	Most of the old coal pits in the surrounding area are no longer shown. A mineral railway runs along the eastern boundary of Parcel 6. Denby Grange Colliery is shown to the north east.
1904-1905 1:10,560	A clay pit is shown at the southern boundary of Parcel 5 and an old shaft is shown in the north western area.	Denby Grange Colliery and associated infrastructure remains to the north east.
1930-1938 1:10,560	Excavations are shown in the central area of Parcel 5.	No significant changes.
1966-1967 1:10,560	The spoil heaps and clay pit in Parcel 5 are no longer shown.	No significant changes.
2003 1:1,250	A small watercourse is shown to run along the southern boundary of Parcel 5.	No significant changes.

Low Farm Wakefield
Appendix E – Historical Summary

PARCEL 9		
Date & OS Map Scale	Key features on the site	Surrounding Area
1854.1855 1:10,560	The parcel is shown as undeveloped land.	Hope Pit is shown directly to the north of the site, with a series of coke ovens beyond. A sandstone quarry is ca. 100m north-west.
1893 1:2,500	No significant changes.	Denby Grange Collieries is shown to the north and east of Parcel 9 with associated shafts shown approximately 20m and 50m north of the parcel. Railway sidings are approximately 50m east. A reservoir is approximately 75m north. The coke ovens to the north are no longer present, shown to have been replaced by kilns.
1960 1:2,500	A cart track runs along the western parcel boundary.	Semi-detached properties are shown to the immediate south-east. The colliery buildings and infrastructure to the north east are shown to be disused / dismantled. The area of the colliery is labelled as 'Mine'.
1990-2003 1:2,500	No significant changes.	"works" identified approximately 50m north east of the site boundary.

Appendix F

UXO RISK SUMMARY



UNEXPLODED BOMB RISK MAP



SITE LOCATION

Map Centre: 423986,415803



LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- military**
- industry**
- UXO find**
- transport**
- dock**
- Luftwaffe targets**
- utilities**
- Bombing decoy**
- other**

How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

Smith, Claire

From: Gilmour, Nick
Sent: 08 July 2021 12:34
To: Smith, Claire
Subject: FW: UXO Pre- Desk Study Assessment

FYI

Thanks

Nick



Nicholas Gilmour

Principal Consultant | Ground and Water


T+ 44 (0)191 226 2963

M+ 44 (0)78 123 70683

From: Eleanor Chaston <Ellie.Chaston@zetica.com>
Sent: 08 July 2021 12:26
To: Gilmour, Nick <Nick.Gilmour@wsp.com>
Cc: Metcalf, Sophie <sophie.metcalf@wsp.com>; Research <Research@zetica.com>
Subject: RE: Pre- Desk Study Assessment

Good afternoon Nick

Thanks for your email. We recently completed these PDSAs for your colleague Sophie Metcalf (cc'd). Please find them below for your reference.

	
Pre-Desk Study Assessment	
Site:	Parcel 1, Grange Moor, West Yorkshire
Client:	WSP
Contact:	Sophie Metcalf
Date:	21 st May 2021
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Transport infrastructure and public utilities.
WWI Bombing	None identified on the Site.

Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: <ul style="list-style-type: none"> ■ Transport infrastructure and public utilities. ■ Anti-Aircraft (AA) defences.
WWII Bombing Decoys (within 5km of Site)	1No. located approximately 2.8km southeast of the Site.
WWII Bombing	During WWII the Site was located in the Urban District (RD) of Kirkburton, which officially recorded no High Explosive (HE) bombing. No readily available records have been found to indicate that the Site was bombed.
Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	A detailed desk study, whilst always prudent, is not considered essential in this instance.

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.



Pre-Desk Study Assessment

Site:	Parcel 2,3,7 and 8, Grange Moor, West Yorkshire
Client:	WSP
Contact:	Sophie Metcalf
Date:	21 st May 2021
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: <ul style="list-style-type: none"> ■ Transport infrastructure and public utilities.
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: <ul style="list-style-type: none"> ■ Transport infrastructure and public utilities. ■ Anti-Aircraft (AA) defences.
WWII Bombing Decoys (within 5km of Site)	1No. located approximately 2.6km southeast of the Site.

WWII Bombing	During WWII the Site was located in the Urban District (RD) of Kirkburton, which officially recorded no High Explosive (HE) bombing. No readily available records have been found to indicate that the Site was bombed.
Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	A detailed desk study, whilst always prudent, is not considered essential in this instance.

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.



Pre-Desk Study Assessment

Site:	Parcel 4, Grange Moor, West Yorkshire
Client:	WSP
Contact:	Sophie Metcalf
Date:	21 st May 2021
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Transport infrastructure and public utilities.
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Transport infrastructure and public utilities. ■ Anti-Aircraft (AA) defences.
WWII Bombing Decoys (within 5km of Site)	1No. located approximately 2.3km southeast of the Site.
WWII Bombing	During WWII the Site was located in the Urban District (RD) of Kirkburton, which officially recorded no High Explosive (HE) bombing. No readily available records have been found to indicate that the Site was bombed.
Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	A detailed desk study, whilst always prudent, is not considered essential in this instance.

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.



Pre-Desk Study Assessment

Site:	Parcel 5 and 6, Grange Moor, West Yorkshire
Client:	WSP
Contact:	Sophie Metcalf
Date:	21 st May 2021
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: <ul style="list-style-type: none"> ■ Transport infrastructure and public utilities.
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: <ul style="list-style-type: none"> ■ Transport infrastructure and public utilities. ■ Anti-Aircraft (AA) defences.
WWII Bombing Decoys (within 5km of Site)	1No. located approximately 3km southeast of the Site.
WWII Bombing	During WWII the Site was located in the Urban District (RD) of Kirkburton, which officially recorded no High Explosive (HE) bombing. No readily available records have been found to indicate that the Site was bombed.
Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	A detailed desk study, whilst always prudent, is not considered essential in this instance.

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.



Pre-Desk Study Assessment	
Site:	Parcel 9, Grange Moor, West Yorkshire
Client:	WSP
Contact:	Sophie Metcalf
Date:	21 st May 2021
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Transport infrastructure and public utilities.
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Transport infrastructure and public utilities. ■ Anti-Aircraft (AA) defences.
WWII Bombing Decoys (within 5km of Site)	1No. located approximately 2.5km southeast of the Site.
WWII Bombing	During WWII the Site was located in the Urban District (RD) of Kirkburton, which officially recorded no High Explosive (HE) bombing. No readily available records have been found to indicate that the Site was bombed.
Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	A detailed desk study, whilst always prudent, is not considered essential in this instance.
<p>This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.</p> <p>It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.</p>	

Many thanks

Ellie

Ellie Chaston
Risk Assessor
Zetica Limited

T. 01993 886 682 | E. ellie.chaston@zetica.com | W. www.zeticauxo.com | T. [@ZeticaUXO](https://www.instagram.com/ZeticaUXO)

ed by our filters, [click here](#) to report it.

Appendix G

BGS BOREHOLE RECORDS



23 SE 21 NW 7
6-Inch Map

B/V
Regd. No.

Yorks. 261 NE

(County, Sheet and Qtr.)

SE 21 NW 9

(Nat. Grid, Sheet and Qtr.)

Attach tracing from a map of sketch map if possible

SECTION OF CAPHOUSE COLLIERY No. 5 Borehole
(Beeston to Black Bed)
PURPOSE To prove the Black Bed Seam
EXACT SITE O.S. N.G.R. SE/24280/15522
N.C.B. N.G.R. 44/2415/280522
LEVEL AT WHICH ³⁰⁴⁶ COMMENCED RELATIVE TO O.D. 100 ft. below
DATE OF SINKING OR BORING 1963
SINKER OR BORER N.C.B.

Cores, other than coal, examined by R. F. Goossens.

GEOLOGICAL CLASSIFICATION	NATURE OF STRATA	THICKNESS		DEPTH			
		FEET	IN.	FEET	IN.		
WHINMOOR	Measures	6.25	20	6	20	66.25	
	COAL	0.23		9		21	36.48
	Dirt	0.86	2	2	23	57.14	
	COAL	0.80		8		24	17.36
CROW	Measures	62.46	20 1/2	11		229	069.60
	COAL	0.25		10		229	1070.65
	Measures	9.20	30	2		260	079.25
	Banded siltstone	0.76	2	6		262	680.01
	Pale grey sandstone (no dip)	0.33	1	1		263	780.34
	Banded siltstone (dip 0° - 60°)	0.38	1	3		264	1080.72
	Banded sandstone (no dip)	3.63	11	11		276	984.35
	Banded siltstone	1.19	3	11		280	885.55
	Pale grey sandstone	0.23		9		281	585.79
	Grey siltstone	0.76	2	6		283	1186.54
BLACK BED	COAL	0.38	1	3		285	286.92
	Dark grey clunch	0.03		1		285	386.94
	Grey clunch with rootlets (3" core missing)	0.38	1	3		286	687.33
	Banded siltstone with scattered rootlets near top	1.60	5	3		291	988.93

WILTSHIRE

261 NE

94

SE 21 NW

CAPHOUSE COLLIERY No. 5 BH.

1963

(Refer to Black Bed)

100 ft B.O.D.

Principal
Horizons

Depth in Feet

Log

Seam Sections
* Depth to
Important Horizons

Grains

WHINMOOR

~~24-24~~

c. 9" at 21-3"
c. 8" at 23-1"

50

100

150

200

GROW

—————

c. 10" at 22'-10"

250

BLACK-BED

c. 15" at 26'-2"

INSPECTION REPORT	WATER QUALITY	DATE OF INSPECTION:-
Present Owner:- Access (Yes or No) 1/2" Probe 3" Instruments Landrover Access Agreed	Date pH Total hard Temp.hard Alk. <hr/> Ca Mg Na K	Other Comments:- <hr/> Sketch Plan of Locatio
Water Level at time of insp. metres below Date Datum above O.D. R.W.L. above O.D. Date	HCO ₃ SO ₄ Cl NO ₃ <hr/> Fe	

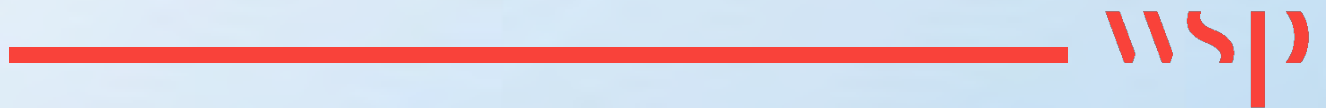
British Geological Survey

British Geological Survey

British Geological Survey

Appendix H

CIRIA RISK DEFINITIONS



APPENDIX A - CIRIA RISK DEFINITIONS

Table A1– Classifications of Probability

Classification	Definition
High likelihood	There is a pollution linkage / identified geotechnical hazard and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term

Table A2 – Classifications of Consequence

Classification	Definition
Severe	Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to a particular ecosystem, or organism forming part of such ecosystem.
Medium	Chronic damage to Human Health ("significant harm" as defined in DETR, 2000). Pollution of sensitive water resources. A significant change in a particular ecosystem, or organism forming part of such ecosystem.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services (significant harm as defined in the Draft Circular on Contaminated Land, DETR, 2000). Damage to sensitive buildings/structures/services or the environment.
Minor	Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve, Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.). Easily repairable effects of damage to buildings, structures and services.

The risk categories presented in this reporting, taking into account both probability and severity, are based on the matrix presented in Table A3 below, following CIRIA C552.

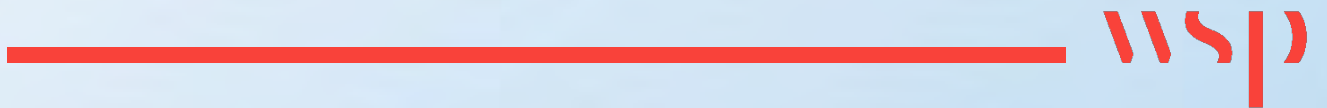


Table A3- Adopted Risk Categories / Comparison of Consequence against Probability

Probability	Consequence			
	Severe	Medium	Mild	Minor
High Likelihood	Very High Risk	High Risk	Moderate Risk	Low to Moderate Risk
Likely	High Risk	Moderate Risk	Low to Moderate Risk	Low Risk
Low Likelihood	Moderate Risk	Low to Moderate Risk	Low Risk	Very Low Risk
Unlikely	Low to Moderate Risk	Low Risk	Very Low Risk	Very Low Risk

Appendix I

COAL AUTHORITY COAL MINING
REPORTS





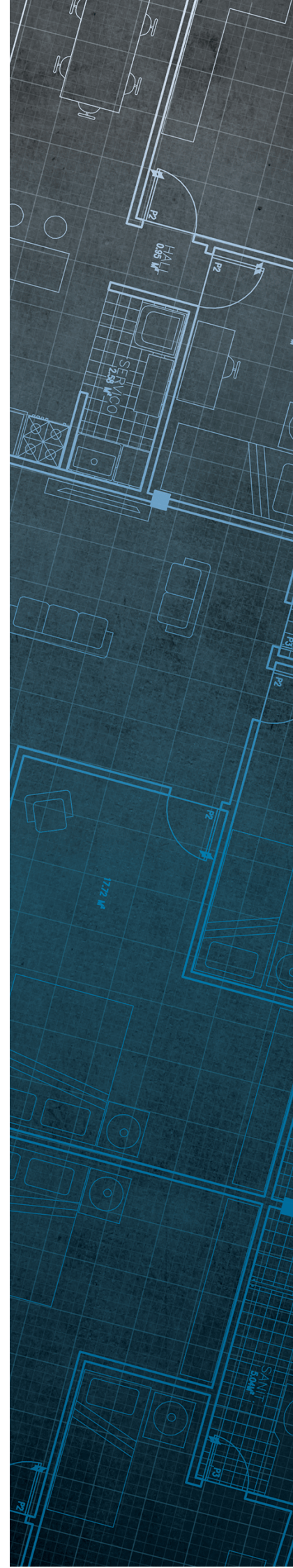
The Coal
Authority

Consultants Coal Mining Report

423569, 415888
West Yorkshire

Date of enquiry: 19 May 2021
Date enquiry received: 19 May 2021
Issue date: 19 May 2021

Our reference: 51002535484001
Your reference: WSP-7874475



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

GROUNDSURE LIMITED

Enquiry address

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 /thecoalauthority



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
unnamed	LOW FENTON	Coal	6Z2P	41	South-West	1.9	East	61	1872
unnamed	MIDDLETON LITTLE	Coal	6Z2V	63	West	1.5	North-East	64	1931
unnamed	MIDDLETON LITTLE	Coal	6Z2U	63	West	1.5	North-East	64	1933
unnamed	MIDDLETON MAIN	Coal	6O4I	65	Beneath Property	3.2	North-East	127	1917
unnamed	MIDDLETON MAIN	Coal	6Z2Z	71	Beneath Property	3.0	East	63	1884
unnamed	WHEATLEY LIME	Coal	6Z32	79	Beneath Property	3.0	East	84	1950
unnamed	MIDDLETON MAIN	Coal	6Z2X	84	West	2.2	South-East	127	1888
unnamed	WHEATLEY LIME	Coal	6O4I	91	Beneath Property	3.2	South-East	84	1948
unnamed	WHEATLEY LIME	Coal	6Z31	96	Beneath Property	2.2	South-East	84	1931
unnamed	MIDDLETON MAIN	Coal	6Z30	97	Beneath Property	3.0	East	63	1884
unnamed	MIDDLETON MAIN	Coal	6HT1	106	East	2.4	East	63	1856
unnamed	SILKSTONE	Coal	6Z34	110	Beneath Property	2.6	East	63	1966
unnamed	SILKSTONE	Coal	6O4N	116	Beneath Property	2.8	South-East	61	1964
CAPHOUSE	WHEATLEY LIME	Coal	6HT7	121	East	2.5	East	84	1924
unnamed	SILKSTONE	Coal	6Z33	128	Beneath Property	2.0	East	71	1899
unnamed	SILKSTONE	Coal	6HTY	139	North-East	2.8	South-East	53	1962
unnamed	SILKSTONE	Coal	6HT8	149	East	2.4	East	61	1955
unnamed	TOP BEESTON	Coal	6Z37	158	Beneath Property	2.3	East	76	1963
unnamed	TOP BEESTON	Coal	6O4O	167	Beneath Property	2.2	North-East	84	1962
unnamed	TOP BEESTON	Coal	6O4P	171	West	2.6	East	71	1941
unnamed	TOP BEESTON	Coal	6Z35	174	Beneath Property	2.1	South-East	74	1939
unnamed	TOP BEESTON	Coal	6HV3	180	North-East	2.4	South-East	99	1942

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
unnamed	TOP BEESTON	Coal	6HT9	196	East	3.0	East	76	1961
unnamed	BLACK BED	Coal	6O4Q	250	North-West	2.5	East	61	1966

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	423415-005	423215 415644		Coal	
Adit	423416-017	423255 416122	has been filled to an unknown specification	Coal	
Shaft	423416-028	423407 416262		Coal	
Shaft	423416-029	423281 416138		Coal	

Abandoned mine plan catalogue numbers

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

OC122	NE503	OC176
NE399	8594	4307
16355	9776	NE477

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
FLOCKTON THICK	Coal	Yes	Within	N/A	104
FLOCKTON THICK	Coal	Yes	31.8	North	123
FLOCKTON THIN	Coal	Yes	Within	N/A	291

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.

Fault 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

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

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.

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.

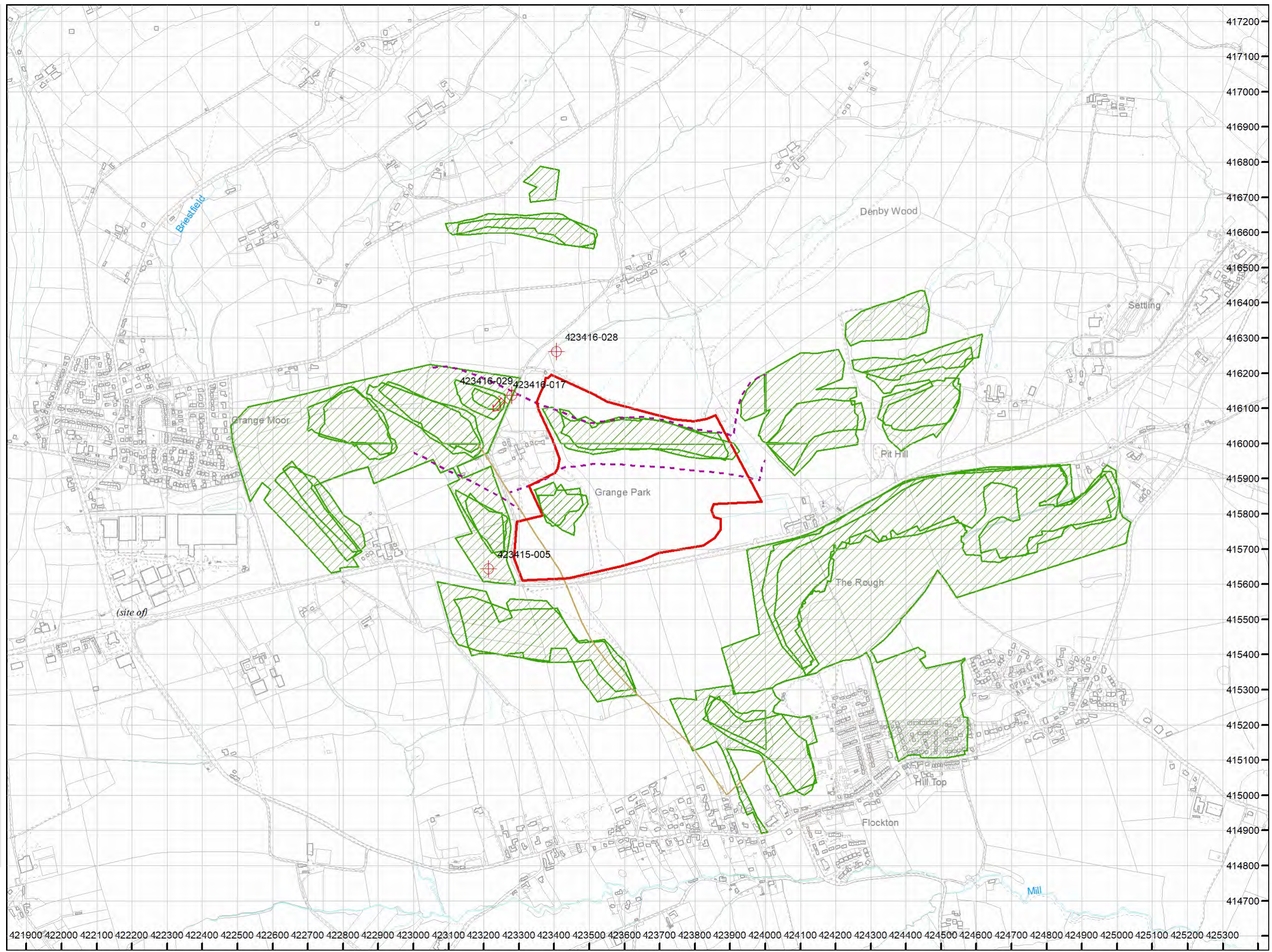
Payment to owners of former copyhold land

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 
- Unlicensed opencast site 



How to contact us
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www.groundstability.com



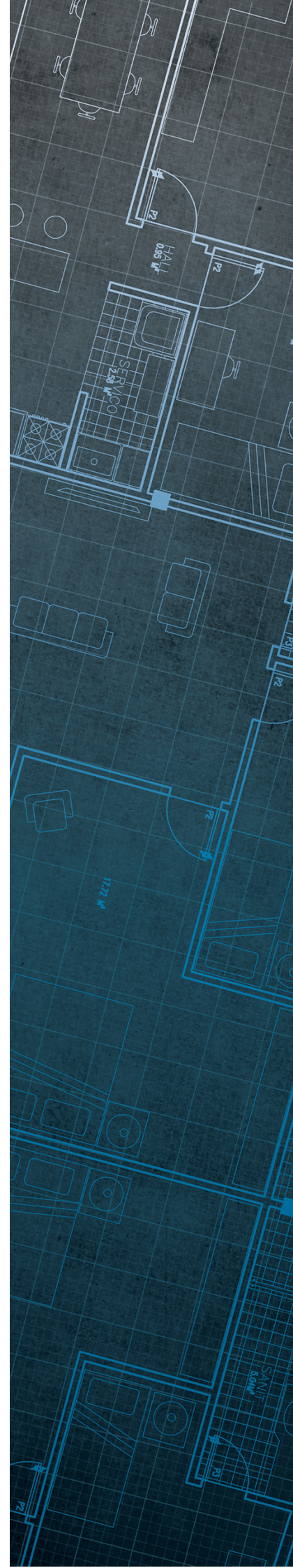
The Coal
Authority

Consultants Coal Mining Report

423569, 415888
West Yorkshire

Date of enquiry: 19 May 2021
Date enquiry received: 19 May 2021
Issue date: 19 May 2021

Our reference: 51002545483001
Your reference: WSP-7874479



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

GROUNDSURE LIMITED

Enquiry address

423569, 415888
West Yorkshire

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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
unnamed	MIDDLETON MAIN	Coal	6HTN	49	Beneath Property	2.7	East	91	1884
unnamed	MIDDLETON MAIN	Coal	6041	68	Beneath Property	3.2	North-East	127	1884
UNAMED	WHEATLEY LIME	Coal	6HTW	73	Beneath Property	2.4	South-East	76	1934
unnamed	LOW FENTON	Coal	6HTJ	82	North-East	2.2	North	91	1856
unnamed	WHEATLEY LIME	Coal	604I	93	Beneath Property	3.2	South-East	84	1948
unnamed	MIDDLETON MAIN	Coal	6Z2Z	96	Beneath Property	3.0	East	63	1884
unnamed	SILKSTONE	Coal	6HTY	98	Beneath Property	2.8	South-East	53	1962
unnamed	MIDDLETON MAIN	Coal	6HT1	101	Beneath Property	2.4	East	63	1884
unnamed	WHEATLEY LIME	Coal	6HTV	106	Beneath Property	2.4	South-East	76	1887
CAPHOUSE	WHEATLEY LIME	Coal	6HT7	114	Beneath Property	2.5	East	84	1892
unnamed	WHEATLEY LIME	Coal	6Z32	115	Beneath Property	3.0	East	84	1950
unnamed	SILKSTONE	Coal	604N	119	Beneath Property	2.8	South-East	61	1964
unnamed	MIDDLETON MAIN	Coal	6HTM	134	Beneath Property	2.3	South-East	107	1895
unnamed	SILKSTONE	Coal	6HT8	137	Beneath Property	2.4	East	61	1955
unnamed	TOP BEESTON	Coal	6HV3	149	Beneath Property	2.4	South-East	99	1955
unnamed	SILKSTONE	Coal	6Z34	150	Beneath Property	2.6	East	63	1955
unnamed	TOP BEESTON	Coal	6040	154	Beneath Property	2.2	North-East	84	1962
unnamed	TOP BEESTON	Coal	6HT9	184	Beneath Property	3.0	East	76	1961
unnamed	TOP BEESTON	Coal	6Z37	193	Beneath Property	2.3	East	76	1963
unnamed	TOP BEESTON	Coal	6HV2	207	North-East	2.6	South	152	1979

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Adit	423416-030	423805 416217		Coal	
Shaft	424415-025	424342 415948		Coal	
Adit	424415-029	424334 415871		Coal	
Shaft	424416-001	424864 416189		Coal	Kirklees Council - Yorkshire Mining Museums Trust 26/10/1994
Shaft	424416-002	424915 416266	was filled to the surface with graded hardcore and capped with reinforced concrete at rockhead in 1994	Coal	Kirklees Council - Yorkshire Mining Museum Trust L 26/10/1994
Shaft	424416-004	424918 416260		Coal	
Shaft	424416-005	424870 416220	has been filled to an unknown specification	Coal	
Shaft	424416-007	424872 416200		Coal	
Shaft	424416-008	424662 416484		Coal	
Shaft	424416-009	424432 416120	has been filled to an unknown specification and has probably been removed to some extent by opencast mining	Coal	
Shaft	424416-010	424567 416269	has been filled to an unknown specification and has probably been removed to some extent by opencast mining	Coal	
Shaft	424416-015	424685 416499		Coal	
Shaft	424416-016	424770 416251		Coal	

Abandoned mine plan catalogue numbers

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

GCR223	OC176	GCR238
4307	NE477	NE249
GCR1	16355	NE777

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
FLOCKTON THICK	Coal	Yes	Within	N/A	56
FLOCKTON THICK	Coal	Yes	Within	N/A	100
FLOCKTON THIN	Coal	Yes	Within	N/A	79
FLOCKTON THIN	Coal	Yes	Within	N/A	189
JOAN	Coal	Yes	Within	N/A	63

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

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 in an area where a notice to withdraw support was given in 1982.

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.

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.

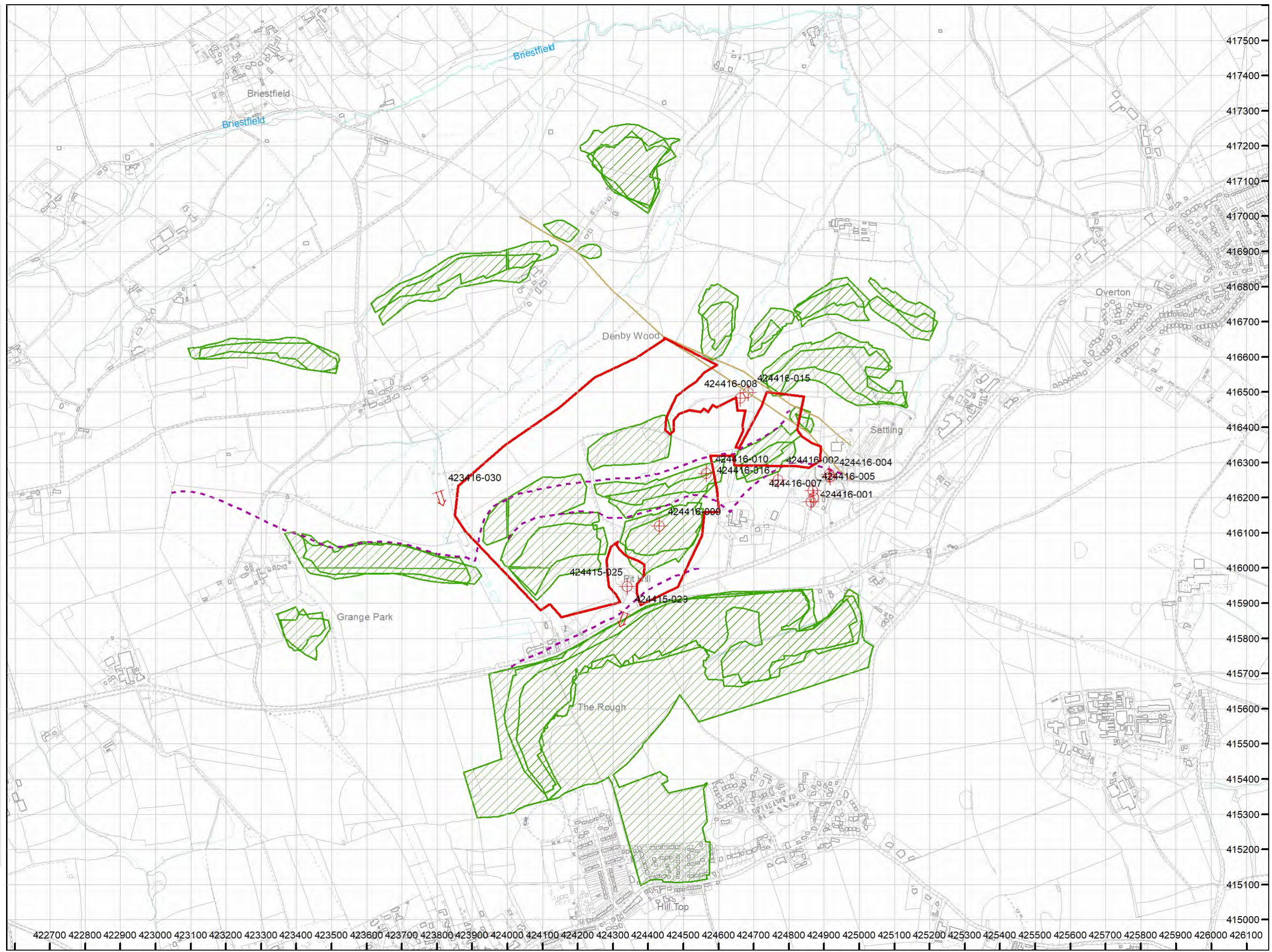
Payment to owners of former copyhold land

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 
- Unlicensed opencast site 



How to contact us
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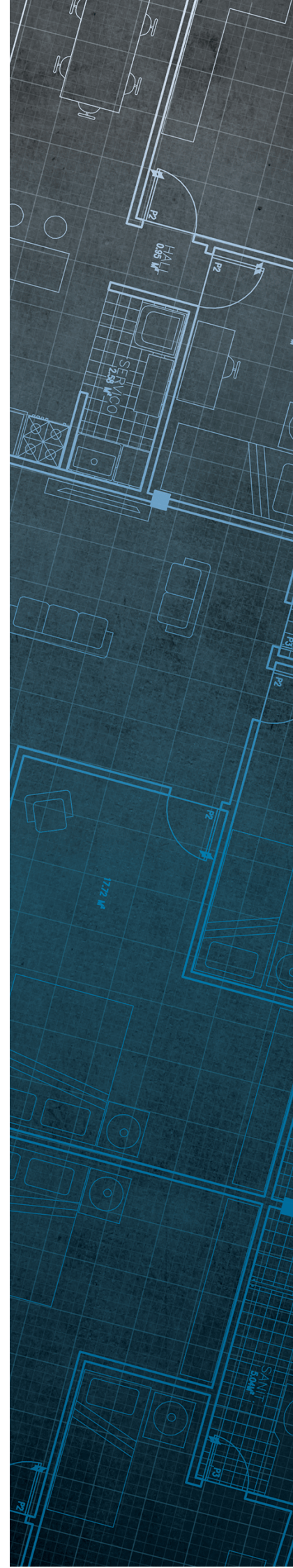
The Coal
Authority

Consultants Coal Mining Report

423569, 415888
West Yorkshire

Date of enquiry: 19 May 2021
Date enquiry received: 19 May 2021
Issue date: 19 May 2021

Our reference: 51002545485001
Your reference: WSP-7874483



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

GROUNDSURE LIMITED

Enquiry address

423569, 415888
West Yorkshire

How to contact us

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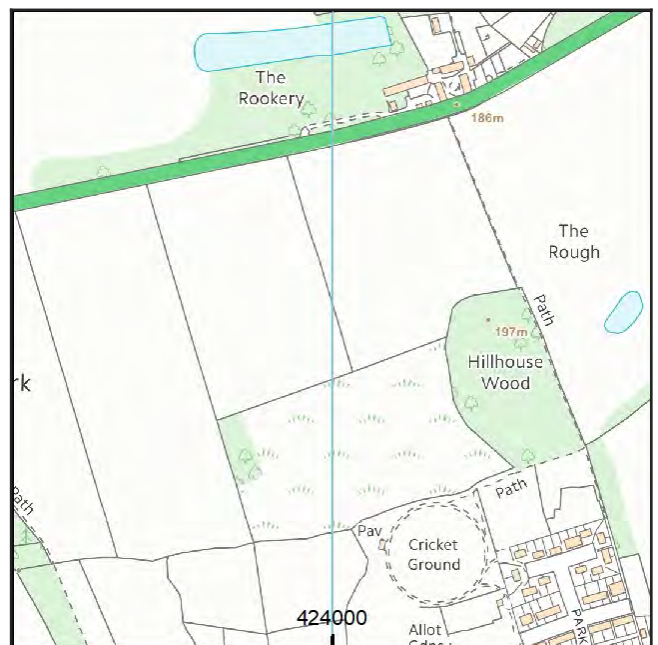
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Approximate position of property



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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
unnamed	FLOCKTON THIN	Coal	6Z2N	51	Beneath Property	2.5	South-East	51	1824
unnamed	MIDDLETON MAIN	Coal	6Z2Z	97	Beneath Property	3.0	East	63	1868
unnamed	MIDDLETON MAIN	Coal	6Z30	108	North	3.0	East	63	1884
unnamed	WHEATLEY LIME	Coal	6Z32	118	Beneath Property	3.0	East	84	1950
unnamed	MIDDLETON MAIN	Coal	6HT1	121	Beneath Property	2.4	East	63	1856
unnamed	MIDDLETON MAIN	Coal	6HUZ	129	South-East	2.4	East	63	1861
CAPHOUSE	WHEATLEY LIME	Coal	6HT7	136	Beneath Property	2.5	East	84	1924
unnamed	SILKSTONE	Coal	6Z34	144	Beneath Property	2.6	East	63	1953
unnamed	SILKSTONE	Coal	6HT8	164	Beneath Property	2.4	East	61	1956
unnamed	TOP BEESTON	Coal	6Z37	204	Beneath Property	2.3	East	76	1963
unnamed	TOP BEESTON	Coal	6Z38	208	Beneath Property	2.3	East	56	1960
unnamed	TOP BEESTON	Coal	6HT9	211	Beneath Property	3.0	East	76	1965

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	423415-009	423932 415205	has been filled to an unknown specification	Coal	
Shaft	423415-010	423898 415397		Coal	
Shaft	424415-017	424238 415572	has been filled to an unknown specification	Coal	
Shaft	424415-018	424264 415565	has been filled to an unknown specification	Coal	
Shaft	424415-031	424093 415638		Coal	
Shaft	424415-032	424234 415643		Coal	
Shaft	424415-036	424161 415523		Coal	
Shaft	424415-037	424149 415495		Coal	
Shaft	424415-038	424180 415463		Coal	
Shaft	424415-039	424172 415424		Coal	
Shaft	424415-040	424249 415421		Coal	
Shaft	424415-041	424260 415425		Coal	
Shaft	424415-042	424232 415387		Coal	
Shaft	424415-043	424103 415374		Coal	
Shaft	424415-044	424008 415334		Coal	
Shaft	424415-054	424177 415262		Coal	

Abandoned mine plan catalogue numbers

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

NE766	NE503	BE24
OC176	NE399	NE21
9776	BE46	NE249

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
JOAN	Coal	Yes	Within	N/A	44
JOAN	Coal	Yes	Within	N/A	141
JOAN	Coal	Yes	Within	N/A	206

Geological faults, fissures and breaklines

No faults, fissures or breaklines 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

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

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.

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.

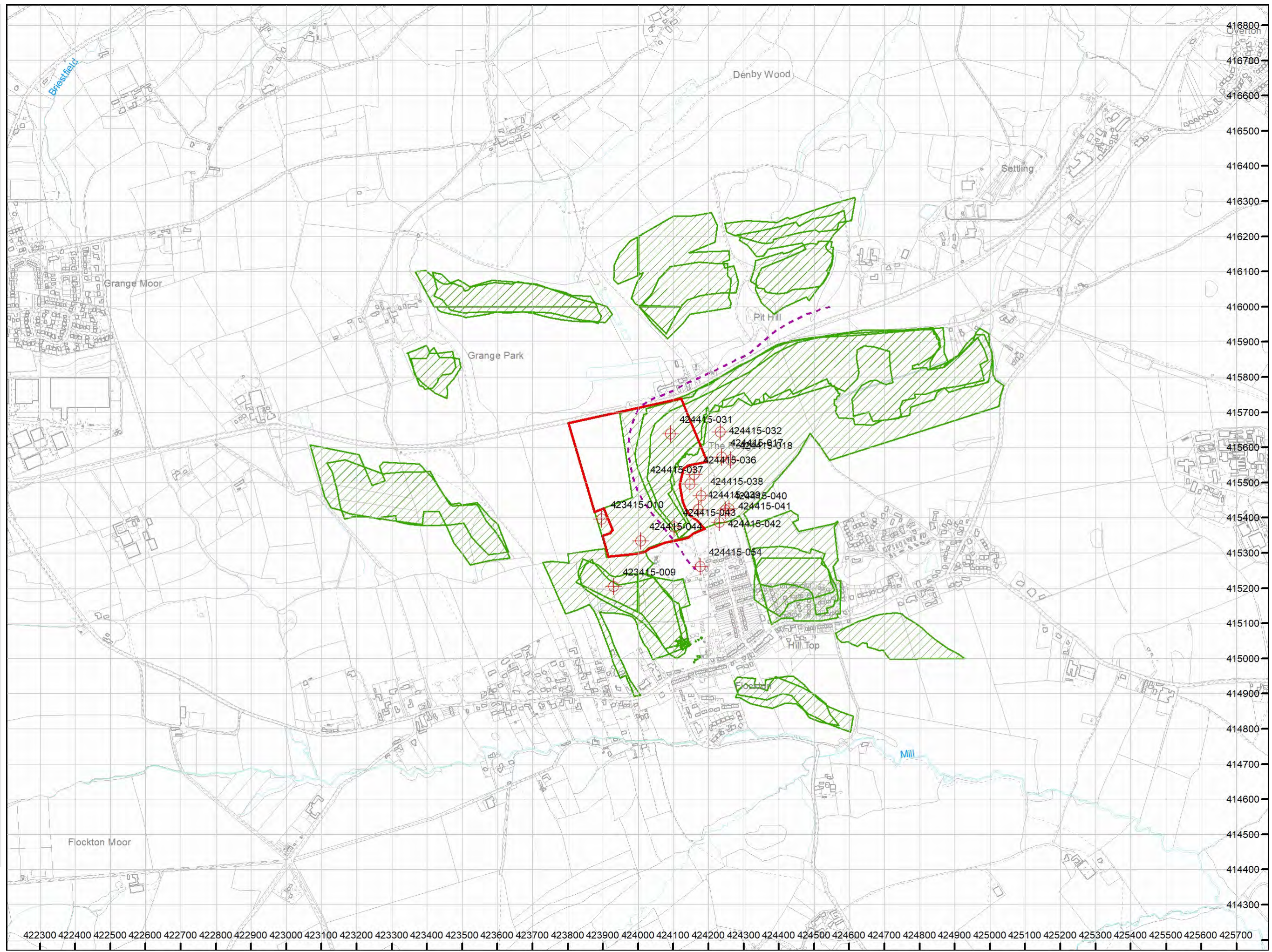
Payment to owners of former copyhold land

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 
- Outcrop (Conjectured) 
- Unlicensed opencast site 



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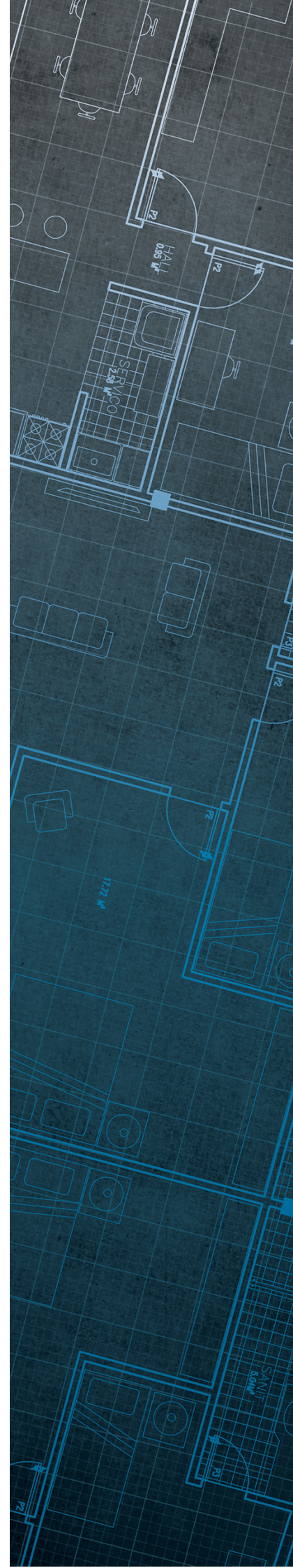
The Coal
Authority

Consultants Coal Mining Report

423569, 415888
West Yorkshire

Date of enquiry: 19 May 2021
Date enquiry received: 19 May 2021
Issue date: 19 May 2021

Our reference: 51002545487001
Your reference: WSP-7874487



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

GROUNDSURE LIMITED

Enquiry address

423569, 415888
West Yorkshire

How to contact us

0345 762 6848 (UK)
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200 Lichfield Lane
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NG18 4RG

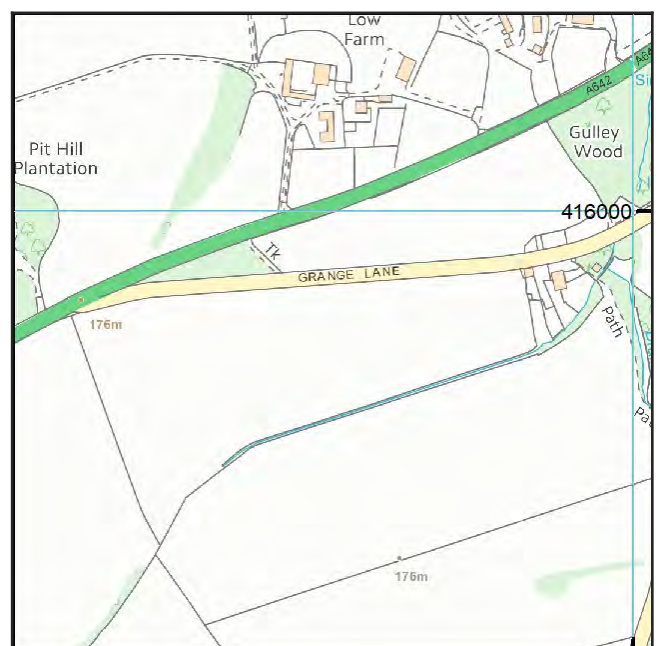
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Approximate position of property



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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
unnamed	MIDDLETON MAIN	Coal	6HTN	95	Beneath Property	2.7	East	91	1884
unnamed	MIDDLETON MAIN	Coal	6HT1	98	Beneath Property	2.4	East	63	1884
unnamed	MIDDLETON MAIN	Coal	6HUZ	106	Beneath Property	2.4	East	63	1861
unnamed	MIDDLETON MAIN	Coal	6HT3	113	Beneath Property	2.4	East	91	1856
unnamed	WHEATLEY LIME	Coal	6HT4	123	Beneath Property	2.5	East	82	1965
UNAMED	WHEATLEY LIME	Coal	6HTW	132	Beneath Property	2.4	South-East	76	1932
CAPHOUSE	WHEATLEY LIME	Coal	6HT7	136	Beneath Property	2.5	East	84	1892
unnamed	MIDDLETON MAIN	Coal	6HUW	136	South-East	2.4	East	66	1889
unnamed	SILKSTONE	Coal	6HTY	137	Beneath Property	2.8	South-East	53	1959
unnamed	SILKSTONE	Coal	6HT8	138	Beneath Property	2.4	East	61	1960
unnamed	WHEATLEY LIME	Coal	6HT6	147	Beneath Property	2.4	East	82	1893
unnamed	TOP BEESTON	Coal	6HT9	186	Beneath Property	3.0	East	76	1944
unnamed	TOP BEESTON	Coal	6HV3	190	Beneath Property	2.4	South-East	99	1942
unnamed	TOP BEESTON	Coal	6HV4	212	Beneath Property	2.4	South-East	77	1963

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	424415-002	424603 415903	has been filled and has probably been removed to some extent by opencast mining	Coal	
Shaft	424415-010	424771 415749	has been filled and has probably been removed to some extent by opencast mining	Coal	
Adit	424415-012	424810 415832	has probably been removed to some extent by opencast mining	Coal	
Shaft	424415-013	424547 415859	has been filled and has probably been removed to some extent by opencast mining	Coal	
Shaft	424415-014	424456 415812	has been filled and has probably been removed to some extent by opencast mining	Coal	
Shaft	424415-016	424434 415626	has been filled to an unknown specification	Coal	
Shaft	424415-025	424342 415948		Coal	
Adit	424415-028	424881 415920		Coal	
Adit	424415-029	424334 415871		Coal	
Shaft	424415-034	424957 415783		Coal	
Shaft	424415-035	424837 415737		Coal	
Shaft	424415-065	424797 415842		Coal	
Shaft	424416-006	424970 416068	following a collapse in 1997 the shaft was filled with clean graded stone to within 3.0m of ground level and was plugged with concrete above the fill material	Coal	
Shaft	424416-017	424878 416063		Coal	
Shaft	424416-018	424864 416050		Coal	
Shaft	424416-019	424924 416131		Coal	

Abandoned mine plan catalogue numbers

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

NE766	BE24	BE46
GCR1	1964	NE1079
3360B	17778	NE495

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
JOAN	Coal	Yes	30.5	North-West	49
JOAN	Coal	Yes	Within	N/A	92
JOAN	Coal	Yes	Within	N/A	128
JOAN	Coal	Yes	Within	N/A	195

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

Distance to site remediation (m)	Direction
34.8	North-East

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 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

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.

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.

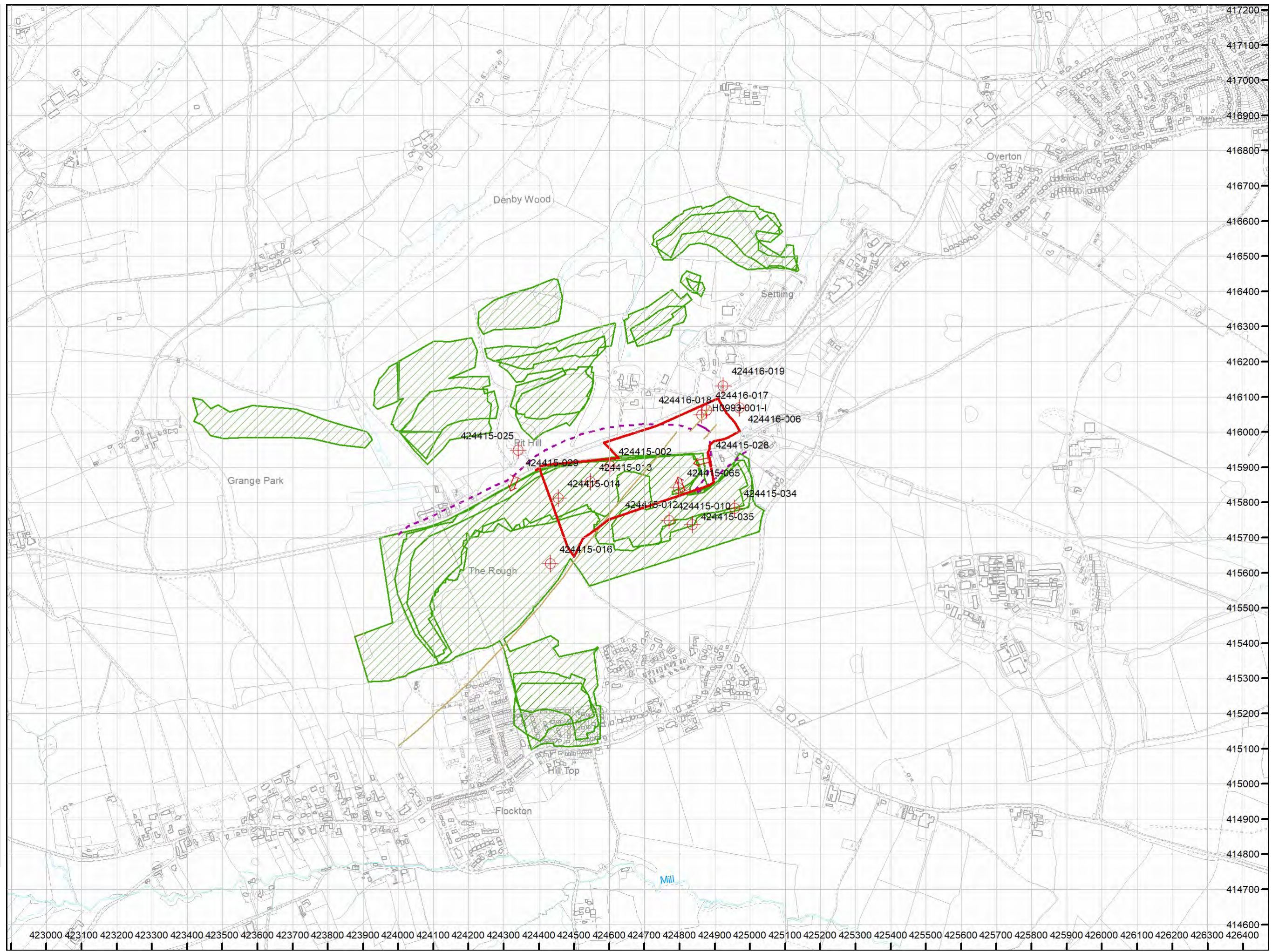
Payment to owners of former copyhold land

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 (Proven) 
- Outcrop (Conjectured) 
- Geological faults 
- Unlicensed opencast site 
- Remediated sites 



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



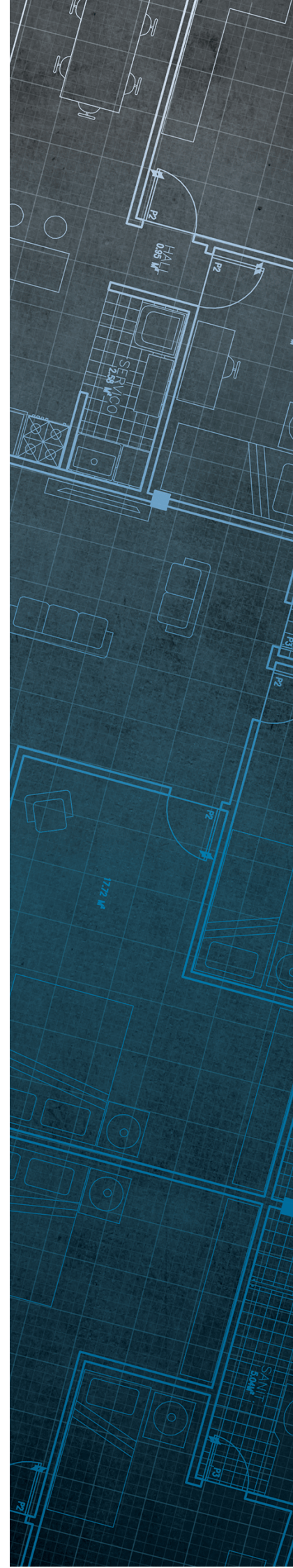
The Coal
Authority

Consultants Coal Mining Report

423569, 415888
West Yorkshire

Date of enquiry: 19 May 2021
Date enquiry received: 19 May 2021
Issue date: 19 May 2021

Our reference: 51002545462001
Your reference: WSP-7874416



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

GROUNDSURE LIMITED

Enquiry address

423569, 415888
West Yorkshire

How to contact us

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

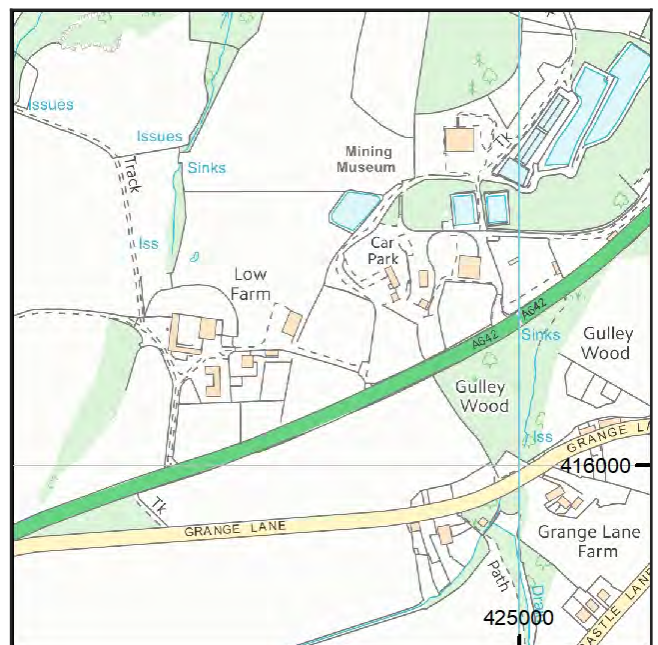
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

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
unnamed	MIDDLETON MAIN	Coal	6HTN	95	Beneath Property	2.7	East	91	1884
UNAMED	WHEATLEY LIME	Coal	6HTW	115	Beneath Property	2.4	South-East	76	1932
unnamed	WHEATLEY LIME	Coal	6HTV	116	Beneath Property	2.4	South-East	76	1887
unnamed	SILKSTONE	Coal	6HTY	140	North-West	2.8	South-East	53	1959
unnamed	SILKSTONE	Coal	6HT8	152	South	2.4	East	61	1960
unnamed	TOP BEESTON	Coal	6HV3	194	Beneath Property	2.4	South-East	99	1942
unnamed	TOP BEESTON	Coal	6HT9	204	South	3.0	East	76	1944
unnamed	TOP BEESTON	Coal	6HV4	212	South-East	2.4	South-East	77	1963

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	424416-001	424864 416189		Coal	Kirklees Council - Yorkshire Mining Museums Trust 26/10/1994
Shaft	424416-005	424870 416220	has been filled to an unknown specification	Coal	
Shaft	424416-007	424872 416200		Coal	
Shaft	424416-016	424770 416251		Coal	
Shaft	424416-017	424878 416063		Coal	
Shaft	424416-018	424864 416050		Coal	
Shaft	424416-019	424924 416131		Coal	

Abandoned mine plan catalogue numbers

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

GCR223	GCR238	16355
GCR1	NE1079	1964
3360B	NE495	NE206

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

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines 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

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

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.

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

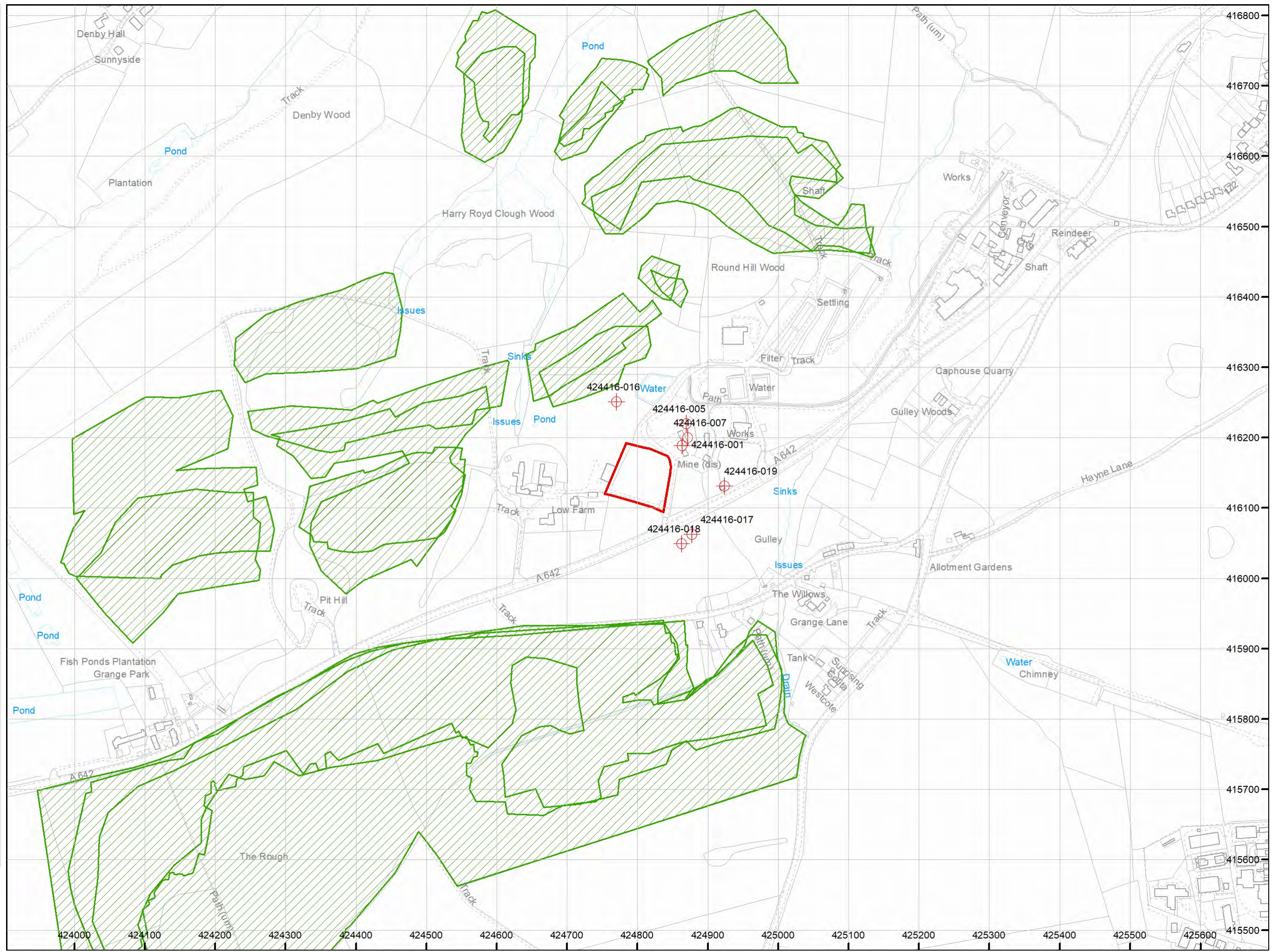
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

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

Key

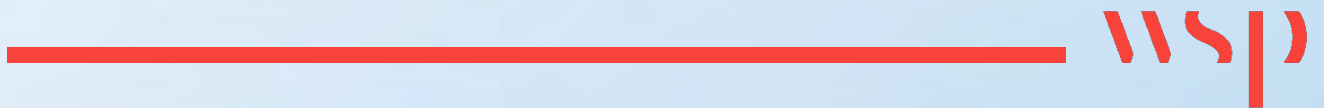
- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Unlicensed opencast site 

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

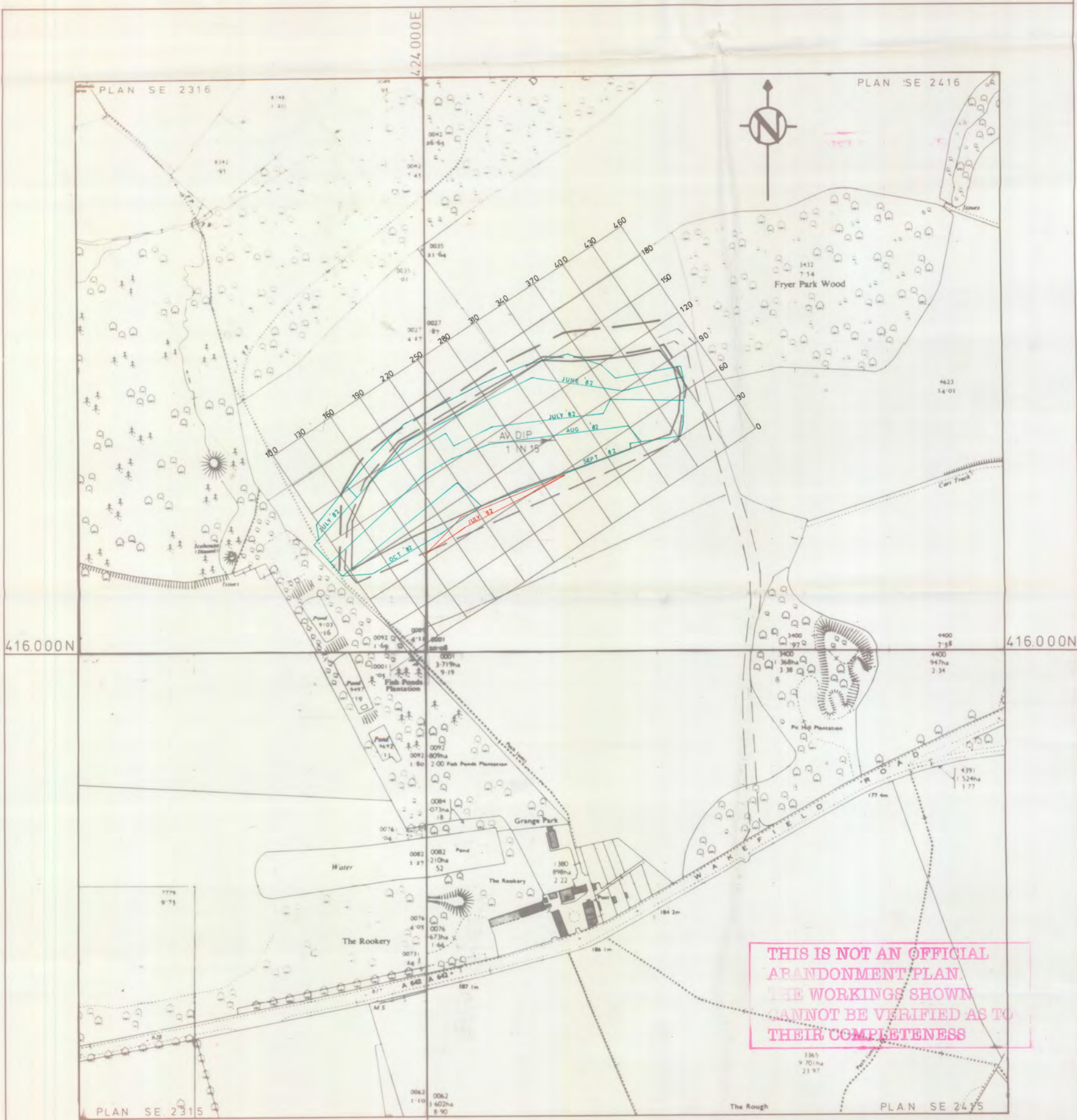


Appendix J

COAL AUTHORITY ABANDONMENT
PLANS



FRIAR WOOD



THIS IS NOT AN OFFICIAL
ABANDONMENT PLAN
THE WORKINGS SHOWN
CANNOT BE VERIFIED AS TO
THEIR COMPLETENESS

FRIAR WOOD
36(2)(C)
LICENSED OPENCAST COAL SITE
Mc LAUGHLAN PLANT LTD.
SCALE 1/2500
PLAN SE. 2316, 2416, (1961) 2315
(1962) 2415 (1975),
NATIONAL GRID REFERENCE S.K.241162

SEAMS WORKED
FLOCKTON THICK SHOWN RED
FLOCKTON THIN SHOWN GREEN

PLAN REVISED TO							
M/E	INTS	M/E	INTS	M/E	INTS	M/E	INTS
JUNE '82	ARR						
JULY '82	ARR						
AUG '82	ARR						
SEPT '82	ARR						
OCT '82	ARR						
COALING COMPLETED							

NATIONAL COAL BOARD
OPENCAST EXECUTIVE
No.5 CENTRAL EAST REGION
NOTTINGHAM

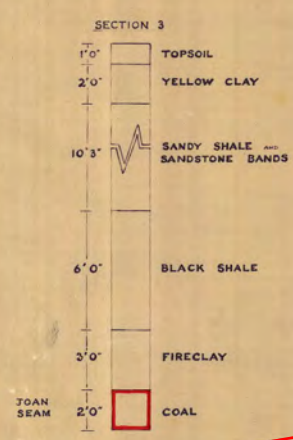
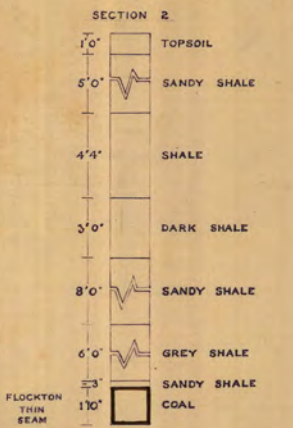
REPRODUCED FROM THE
ORDNANCE SURVEY MAP WITH
THE SANCTION OF THE
CONTROLLER OF H.M.
STATIONERY OFFICE.
CROWN COPYRIGHT RESERVED

PROGRESS PLAN
DRAWING No. 05/10696/P

17558

NE. 206.

AVERAGE VERTICAL SECTIONS
SCALE 4 FEET TO 1 INCH



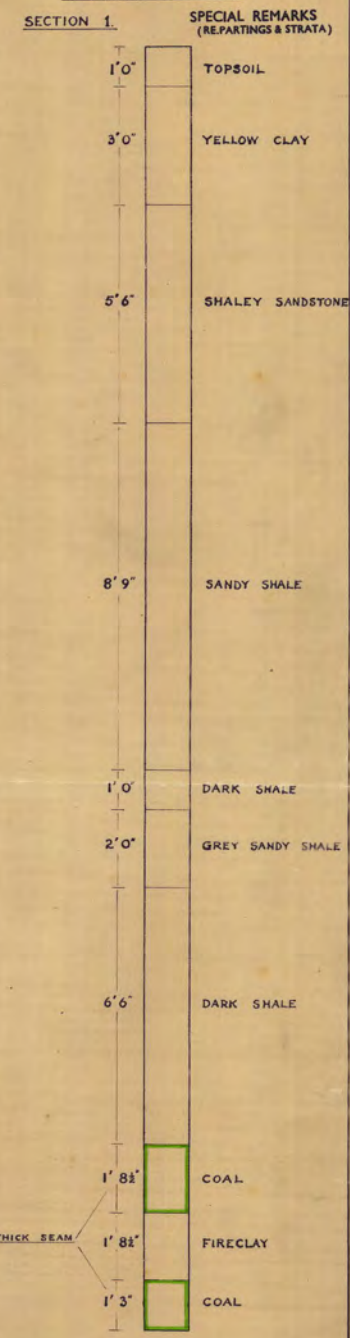
LEGEND

LOCATION

1:2500 SCALE ORDNANCE SHEET REFERENCE 247:15 4/16
 DATE OF ORDNANCE SHEET 1932
 NAME OF SITE Round Hill / Pit Hill II
 LOCATION OF SITE 6 miles S.W. of Wakefield
 COUNTY Yorkshire
 PARISH Hookburton, WHITLEY UPPER

AVERAGE VERTICAL SECTION THROUGH ALL SEAMS

VERTICAL SCALE 2' TO 1 INCH



QUANTITIES WORKED

TOTAL AREA REQUISITIONED 107.272 ACRES, SHEWN
 TOTAL AREA WORKED EXCLUDING BATTERS 30.9 ACRES
 TOTAL COAL RECOVERED FROM ABOVE 84,660 TONS

NAMES OF SEAMS WORKED FOR ABOVE TONNAGE (SEAMS NAMED FROM LEFT TO RIGHT IN GEOLOGICAL DESCENDING ORDER)		Joan	Flockton Thick	Flockton Thin		
AREA OF COAL SEAM WORKED COLOUR EDGED (SEAMS COLOURED FROM LEFT TO RIGHT IN GEOLOGICAL DESCENDING ORDER)		4,632		208		
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 SHEWN						
REDUCED LEVELS TO ORDNANCE DATUM SHEWN (Relative to Newlyn)		GROUND LEVEL CL 342.0	CL 404.1	CL 495.6		
		BOTTOM OF COAL BC 325.8	BC 386.3	BC 457.4		

GENERAL DESCRIPTION

TYPE OF LAND Mainly agricultural.

NATURE OF OVERBURDEN See Sections.

NATURE OF COAL Joan Seam of good quality
Flockton Thick & Thin of medium variable quality.

SPECIAL REMARKS

OPERATIONAL DATA

DATE REQUISITIONED Round Hill 22/1/53, Pit Hill II 19/1/53.
 COMMENCEMENT OF COALING 1/3/54.
 COMPLETION OF COALING 2/7/55.
 COMPLETION OF RESOILING
 SITE HANDED BACK TO AGRICULTURE
 FINAL DEREQUISITION OF SITE

COPY SENT TO	DATE	INITIALS
Mining Records (1)		
R.L. Surveyor (1)		



CROWN COPYRIGHT RESERVED

NATIONAL COAL BOARD
 OPENCASE EXECUTIVE
 85/7, JERMYN STREET,
 LONDON, S.W.1.

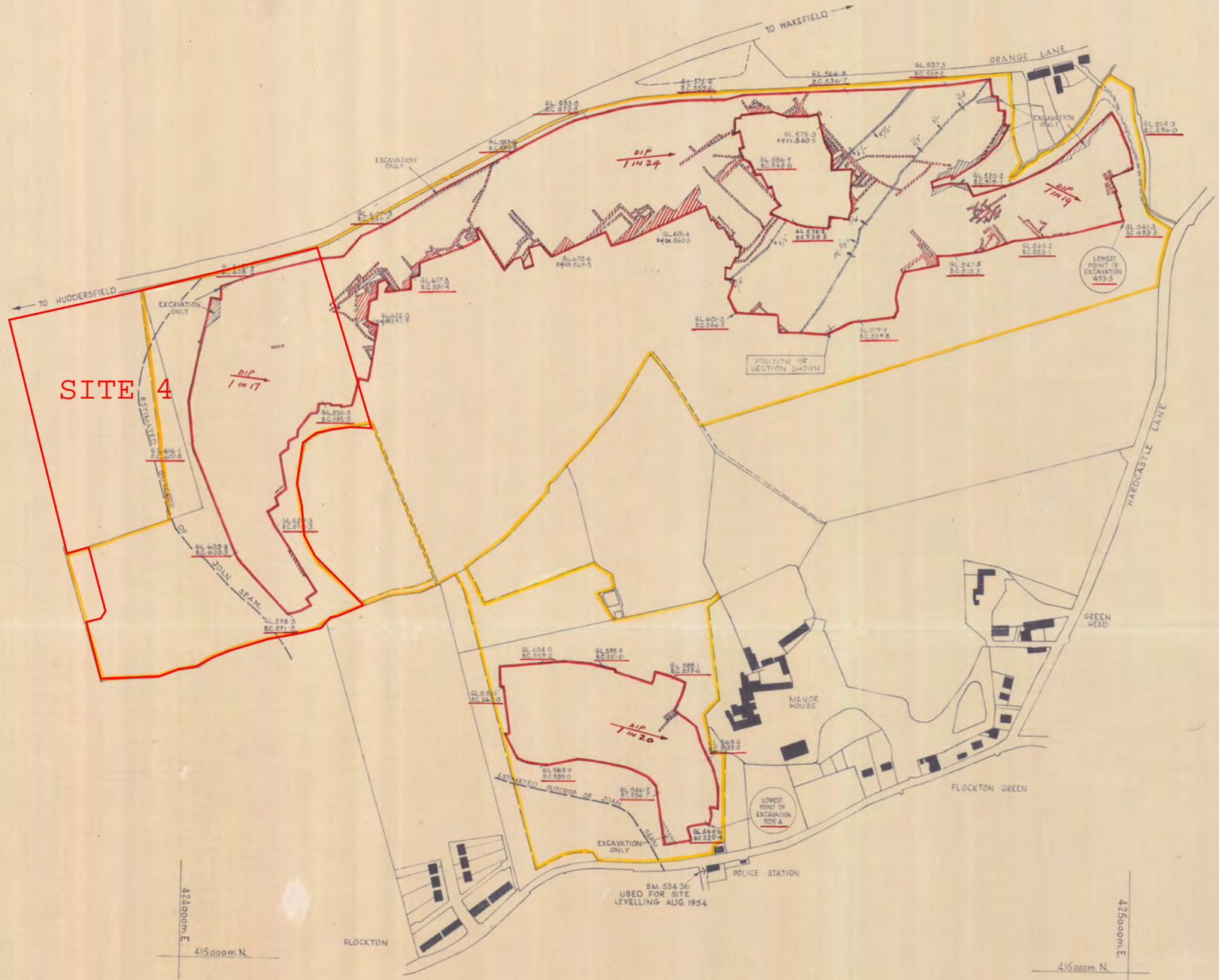
LAND SURVEY BRANCH
 DRAWN BY: [Signature]
 CHECKED BY: A.D. [Signature]
 DATE: 7/10/56 14/1/56
 SCALE 1:2500

NAME OF ZONE OR CONTRACT

NAME OF SITE **ROUND HILL / PIT HILL II**

SITE REFERENCE NUMBER 030 682A -030172 A
 OPERATIONAL CONTRACT NUMBER OE/CON/3880

DRAWING NUMBER OE/COMP/03/203.



LEGEND

LOCATION

1:2500 SCALE ORDNANCE SHEET REFERENCE CCKLVII.15.4.CCLXL.3.
 DATE OF ORDNANCE SHEET 1932
 NAME OF SITE ROUGH PIT
 LOCATION OF SITE N.E. OF FLOCKTON
 COUNTY YORKSHIRE
 PARISH FLOCKTON

QUANTITIES WORKED

TOTAL AREA REQUISITIONED 102.082 ACRES, SHEWN
 TOTAL AREA WORKED EXCLUDING BATTERS 42.1 ACRES
 TOTAL COAL RECOVERED FROM ABOVE 108,015 TONS

NAMES OF SEAMS WORKED FOR ABOVE TONNAGE
 (SEAMS NAMED FROM LEFT TO RIGHT IN GEOLOGICAL DESCENDING ORDER)

AREA OF COAL SEAM WORKED COLOUR EDGED
 (SEAMS COLOURED FROM LEFT TO RIGHT IN GEOLOGICAL DESCENDING ORDER)
 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 SHEWN

REDUCED LEVELS TO ORDNANCE DATUM SHEWN
 (RELATIVE TO NEWLYN) GROUND LEVEL
 BOTTOM OF COAL

FAULTS SHEWN WITH THROW IN FEET ON DOWNTHROW SIDE

JOAN SEAM				
6,088				

GENERAL DESCRIPTION

TYPE OF LAND MAINLY AGRICULTURAL, SOME WOODLAND
 NATURE OF OVERBURDEN TOPSOIL, SUBSOIL, CLAY & SHALE
 NATURE OF COAL GOOD QUALITY BITUMINOUS COAL WITH PYRITIC INTRUSIONS
 SPECIAL REMARKS

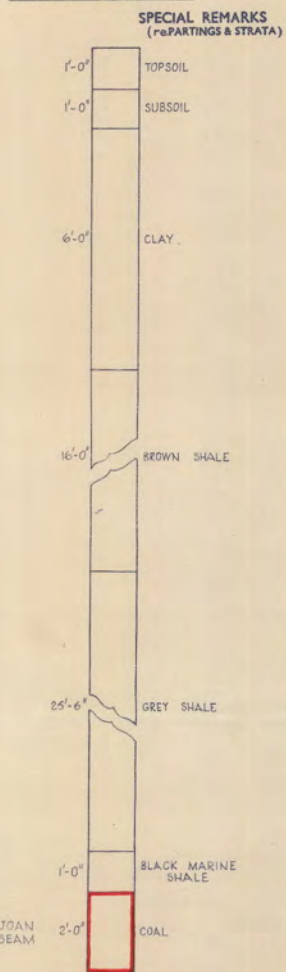
OPERATIONAL DATA

DATE REQUISITIONED 2.5.56
 COMMENCEMENT OF COALING 19.6.56
 COMPLETION OF COALING 31.10.57
 COMPLETION OF RESOILING SEPT. 1968
 DATE HANDED BACK TO AGRICULTURE 26.9.58
 FINAL DEREQUISITION OF SITE

COPIES TO	DATE	INITIALS
Mining Records (2)		
R.L. Surveyor (1)		

VERTICAL SECTION THROUGH ALL SEAMS

VERTICAL SCALE 2 TO 1 INCH



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NATIONAL COAL BOARD
 OPENCAST EXECUTIVE
 85/87 JERMYN STREET
 LONDON, S.W.1.

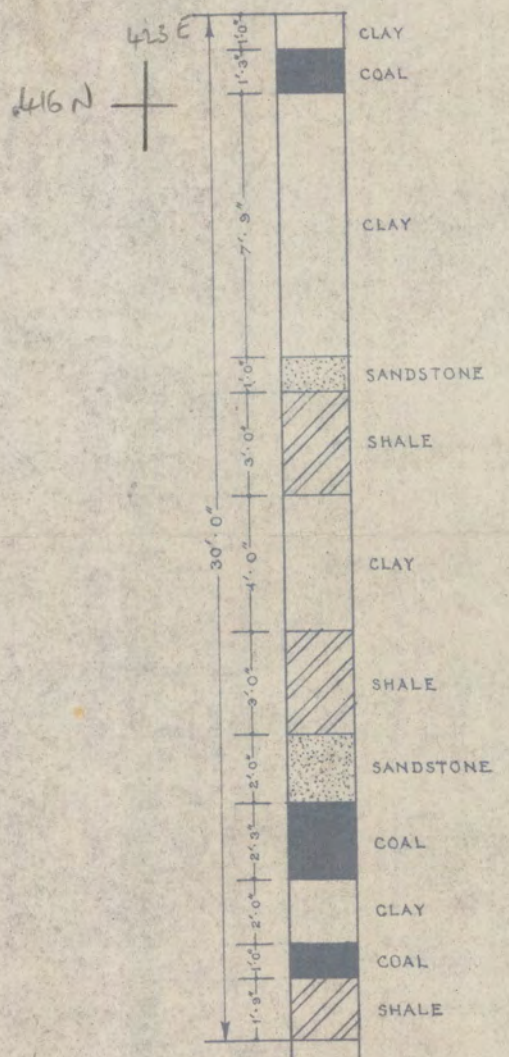
LAND SURVEY BRANCH
 DRAWN BY: K.S. LINDLEY
 DATE: 17.2.60
 CHECKED BY: J. J. GIBSON
 DATE: 22.2.60
 SCALE 1:2500

NAME OF ZONE
 OR CONTRACT
 NAME OF SITE

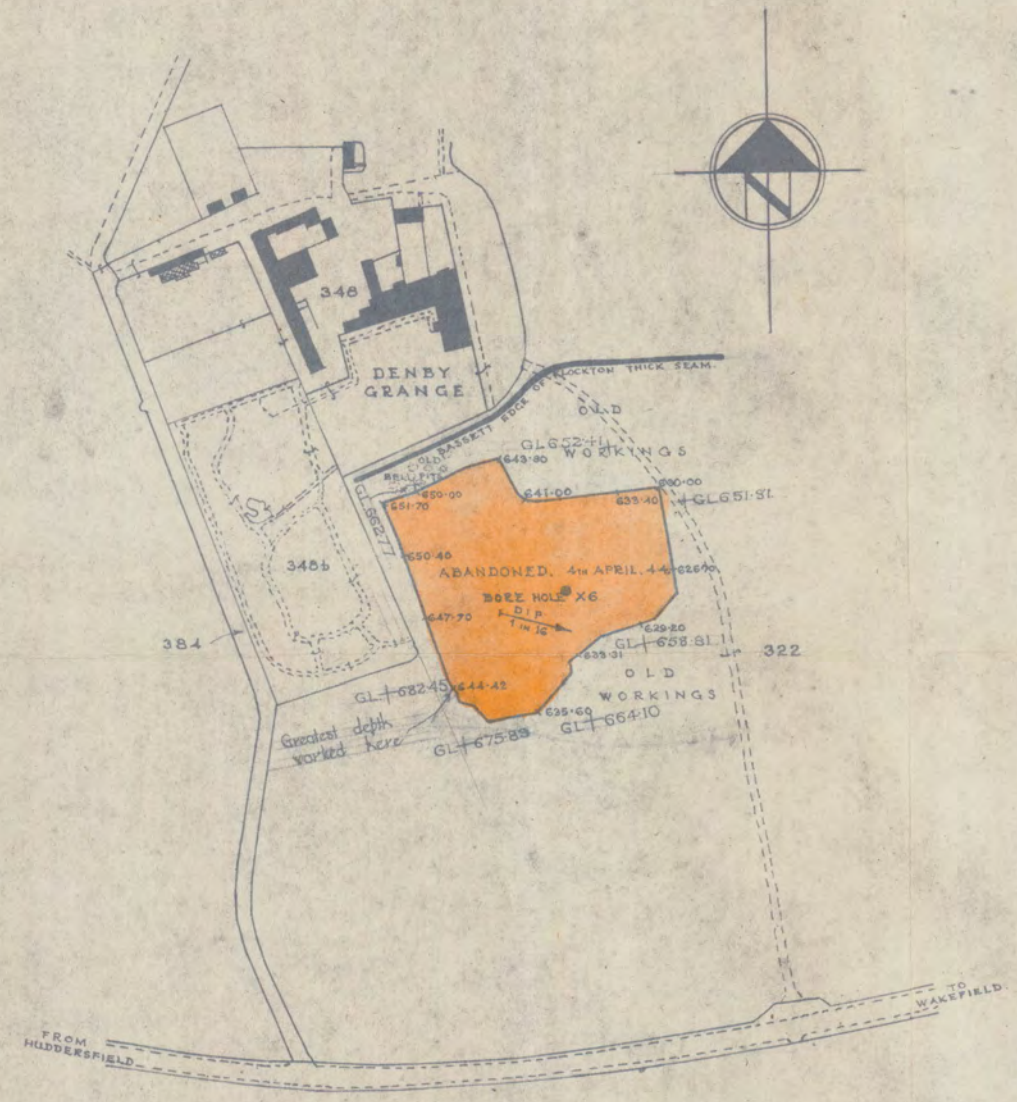
ROUGH PIT

SITE REFERENCE NUMBER
 030773A
 OPERATIONAL CONTRACT NUMBER
 O.E. CON. 4405

DRAWING NUMBER
 OE/COMP/O3/281



SECTION
TAKEN FROM BORE HOLE X6.



MINING RECORD OFFICE
BUXTON
RECD. 13 DEC 1945
REF.

NOTE
The information for this drawing was taken from the information contained on the site record plans prepared by the ministry's resident engineers
SITE REFERENCE No VO/2/X 71

DATA.

LOCATION OF SITE.	7 MILES S.E. OF WAKEFIELD
ORDNANCE SHEET NOS.	6 INCH. 247. S.E. 261 N.E. 1/2500. 247. 15. 261. 3.
NAME OF SEAM.	^{424E} FLOCKTON THICK.
PROSPECTED BY.	^{416N} MINISTRY OF WORKS
EXCAVATED BY.	MESSRS MITCHELL BROS LTD
AREA WORKED.	2.5507584 ACRES
AMOUNT OF COAL WON.	11,545 TONS
DATE OF ABANDONMENT.	4th. APRIL. 1944.
M.O.W. ENGINEER.	H. THORNTON.
DATE OF ISSUE OF ORD. SHEETS	1932
COUNTY & PARISH	WHITLEY UPPER YORKSHIRE.
GREATEST DEPTH FROM WHICH COAL WAS WORKED.	32 ft. FROM SURFACE
DATE OF COMPLETION OF BACK-FILL	MAY 1944
DATE OF COMPLETE RESTORATION	JUNE 1944.

THE AREA FROM WHICH THE COAL HAS BEEN EXTRACTED IS SHOW BY THE COLOURED SHADING.
THE LEVELS AROUND THE COAL AREA REFER TO THE BOTTOM OF THE COAL LEVEL ON THE TRANSVERSE GRID LINES WHERE THE LETTERS GL PRECEDES A LEVEL THEN THAT LEVEL REFERS TO A SURFACE GROUND LEVEL.

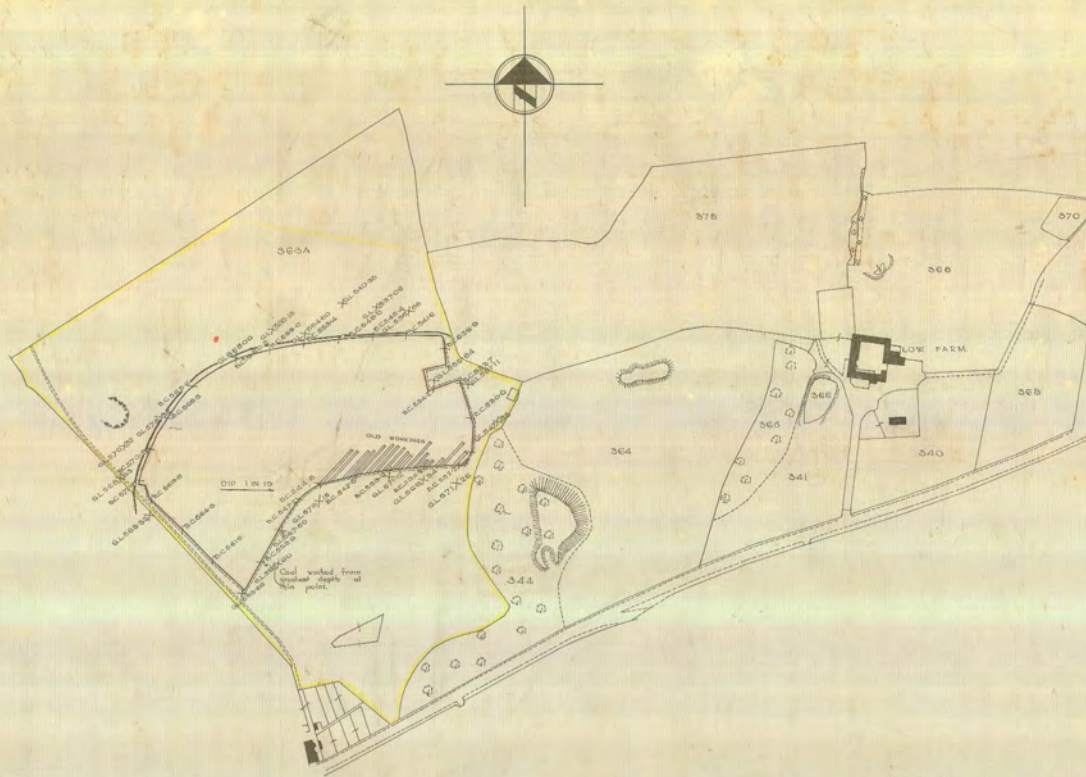
MINISTRY OF WORKS.
DIRECTORATE OF OPENCAST COAL PRODUCTION.
NO 2 REGION. YORKSHIRE.
QUEEN STREET. SHEFFIELD.

SCALE • 1/2500
DRAWN BY. • M. R. GOACHER.
DATE • 18 OCT. 1944.

GRANGE PARK EXTENSION ABANDONMENT PLAN.

A-7027

O.C. 176.



DATA

LOCATION OF SITE	7 MILES W OF WAKEFIELD
ORDNANCE SHEET REF. NO	6 INCH SCALE 247 SE
	1/2500 SCALE 247 : 16
COUNTY	YORKSHIRE
PARISH	WHITELY UPPER
DATE OF ISSUE	EDITION OF 1932
NAME OF SEAM	FLOCKTON THICK
AREA WORKED	9.60 ACRES
AMOUNT OF COAL WON	43,789 TONS
GREATEST DEPTH OF EXCAVATION OF COAL	364 FEET FROM SURFACE
DATE OF COMPLETION OF BACK-FILL	JULY 1945
DATE OF COMPLETE RESTORATION	AUGUST 1945
DATE COMMENCED COALING	5 TH APRIL 1944
DATE CEASED COALING	4 TH APRIL 1945
MINISTRY'S RESIDENT ENGINEER	MR. H. C. THORNTON
CONTRACTORS	MESSRS. MITCHELL BROS

KEY

THE AREA FROM WHICH THE COAL HAS BEEN EXTRACTED IS SHOWN BY THE COLOURED SHADING

THE LETTERS 'G.L.' REFER TO A GROUND LEVEL

THE LETTERS 'B.C.' REFER TO A BOTTOM OF COAL LEVEL

NOTE

THE INFORMATION ON THIS DRAWING WAS COMPILED FROM THE SITE RECORD PLANS PREPARED BY THE MINISTRY'S RESIDENT ENGINEER



NATIONAL COAL BOARD,
OPENCAST EXECUTIVE,
NO. 3 YORKSHIRE REGION,
HOLMWOOD HOUSE,
ECCLESALL RD. 6TH, SHEFFIELD 11.

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MINISTRY OF FUEL AND POWER
DIRECTORATE OF OPENCAST
- COAL PRODUCTION
NO 2 REGION - YORKSHIRE
QUEEN STREET - SHEFFIELD

DRAWN BY *Charles A. Hoare*
DATE 25 JULY 1945
CHECKED BY *W. J. G. Gulligan, B.E.*
DATE 12TH AUGUST 1946
SCALE 1/2500

P I T H I L L

SITE REFERENCE NUMBER	ABANDONMENT PLAN NUMBER
YO·2·K172	A 7048



Amber Court
William Armstrong Drive
Newcastle upon Tyne
NE4 7YQ

wsp.com

PUBLIC