

Appendix F

App. F.1 Coal Authority Consultants Mining Report

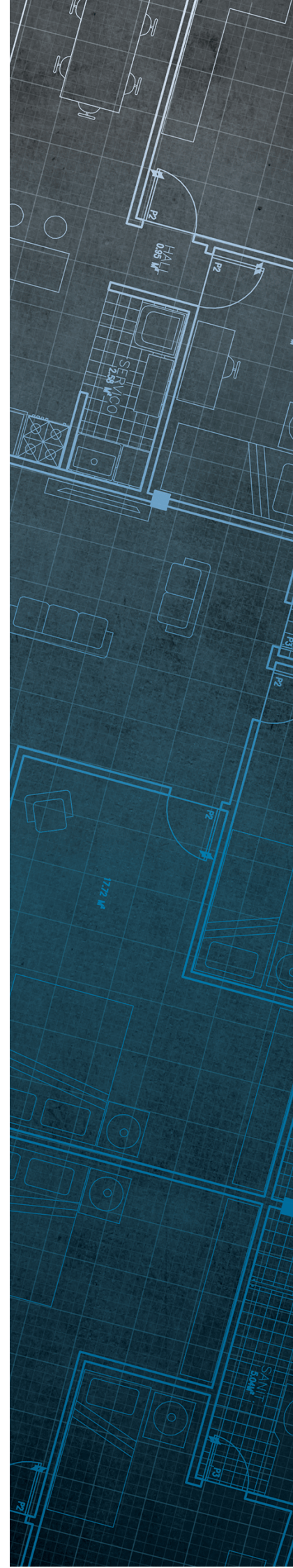


The Coal
Authority

Consultants Coal Mining Report

Afan Valley Resort
Neath Port Talbot
SA13 3RR

Date of enquiry:	13 April 2022
Date enquiry received:	13 April 2022
Issue date:	21 April 2022
Our reference:	51003007499001
Your reference:	8053ek_10575



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

Earth Science Partnership

Enquiry address

Afan Valley Resort
Neath Port Talbot
SA13 3RR

How to contact us

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

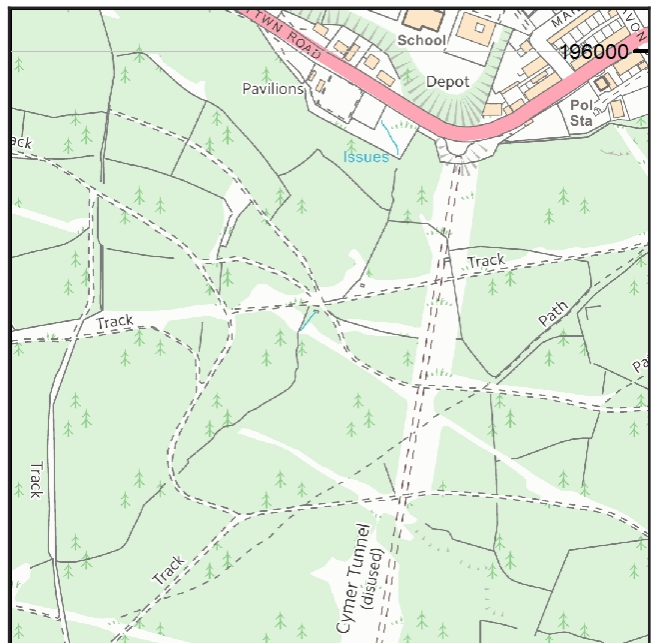
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



Reproduced by permission of
Ordnance Survey on behalf of
HMSO. © Crown copyright and
database right 2018. All rights
reserved.

Ordnance Survey Licence number: 100020315

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	UNNAMED	Coal	4ENF	0	Beneath Property	12.8	North	57	1913
unnamed	NO.2 RHONDDA	Coal	4ENR	0	Beneath Property	7.8	North	91	1905
unnamed	NO.2 RHONDDA	Coal	4ENT	21	Beneath Property	7.6	North	91	1911
unnamed	NO.2 RHONDDA	Coal	4ENS	28	Beneath Property	12.3	North	91	1900
unnamed	NO.2 RHONDDA	Coal	4F2H	38	Beneath Property	0.0	East	100	1912
unnamed	UNNAMED	Coal	4ENE	42	Beneath Property	0.0	East	57	1917
unnamed	UNNAMED	Coal	4END	47	Beneath Property	0.0	East	57	1917
unnamed	UNNAMED	Coal	4F2I	51	East	9.5	North	57	1914
unnamed	NO.2 RHONDDA	Coal	4F1V	58	Beneath Property	8.8	North	91	1909
unnamed	NO.2 RHONDDA	Coal	4ENQ	202	Beneath Property	10.1	North	78	1900
unnamed	NO.2 RHONDDA	Coal	4F1T	224	Beneath Property	7.5	North	91	1910
unnamed	EIGHTEEN INCH	Coal	4F27	252	South-East	8.5	North	50	1925
unnamed	EIGHTEEN INCH	Coal	4H5E	271	South-East	8.2	N/A	53	1917
unnamed	UPPER 6FT RIDER	Coal	4F29	389	Beneath Property	10.7	North	110	1956
unnamed	6FT BOTTOM LEAF	Coal	4H5Z	398	South	8.5	North-West	210	1897
unnamed	6FT BOTTOM LEAF	Coal	4EN7	406	Beneath Property	8.0	North	292	1929
unnamed	6FT BOTTOM LEAF	Coal	4F25	406	Beneath Property	11.3	North-West	190	1907
unnamed	6FT BOTTOM LEAF	Coal	4EM4	412	South	9.5	North	140	1918
unnamed	6FT BOTTOM LEAF	Coal	4EN8	422	South	0.0	East	292	1929
unnamed	UPPER 6FT RIDER	Coal	4H6N	423	South-East	12.8	North	110	1949

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	6FT BOTTOM LEAF	Coal	4H60	432	South-East	7.9	North	210	1918
unnamed	CAERAU	Coal	4H69	432	South-East	6.8	North	147	1916
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4F2B	438	Beneath Property	11.1	North	132	1917
unnamed	6FT BOTTOM LEAF	Coal	4F24	439	Beneath Property	6.8	North	210	1917
unnamed	CAERAU	Coal	4F1Z	441	South-East	10.5	North	100	1918
unnamed	BUTE	Coal	4H5I	444	South	9.8	North-West	109	1952
unnamed	FOUR FOOT	Coal	4EMZ	447	Beneath Property	12.2	North-West	249	1921
unnamed	CAERAU	Coal	4H68	448	South-East	6.9	N/A	147	1916
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4H5R	449	South	9.0	North-West	155	1916
unnamed	YARD	Coal	4H5Y	451	South	9.5	North-West	110	1925
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4ENN	465	Beneath Property	8.2	North	130	1919
unnamed	LOWER NINE FOOT	Coal	4EMA	470	South	13.0	North-West	162	1915
unnamed	CAERAU	Coal	4F21	474	Beneath Property	10.3	North	100	1920
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4H5W	475	South-East	8.9	N/A	250	1926
unnamed	FOUR FOOT	Coal	4F1R	478	Beneath Property	8.8	North-West	241	1921
unnamed	6FT BOTTOM LEAF	Coal	4F1O	497	Beneath Property	9.0	North-West	297	1914
unnamed	CAERAU	Coal	4F20	502	East	9.4	North	100	1918
unnamed	LOWER NINE FOOT	Coal	4EMD	507	South-East	0.0	East	147	1927
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4F2C	509	Beneath Property	8.7	North	132	1929
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4ENM	541	Beneath Property	0.0	East	130	1924
unnamed	EIGHTEEN INCH	Coal	4EN9	560	Beneath Property	9.6	North	147	1951

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	LOWER NINE FOOT TOP LEAF	Coal	4ENL	571	Beneath Property	10.4	North-West	190	1927
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4ENK	598	Beneath Property	0.0	East	190	1923
unnamed	UPPER NINE FOOT	Coal	4ENC	600	Beneath Property	9.7	South-East	160	1915
unnamed	6FT BOTTOM LEAF	Coal	4EM2	620	South-West	10.6	North	270	1914
unnamed	6FT BOTTOM LEAF	Coal	4EM3	632	South	10.9	North	270	1933
unnamed	FOUR FOOT	Coal	4F1S	670	West	7.7	North	122	1953
unnamed	6FT BOTTOM LEAF	Coal	4EN6	676	North-West	12.0	North	292	1929
unnamed	6FT BOTTOM LEAF	Coal	4EN5	685	South-West	10.0	N/A	292	1927
unnamed	6FT BOTTOM LEAF	Coal	4F1M	699	North-West	7.0	North	297	1950
unnamed	FOUR FOOT	Coal	4EMX	700	West	11.8	North	208	1921
unnamed	LOWER NINE FOOT	Coal	4EM6	712	South-West	16.6	North	188	1933
unnamed	UPPER NINE FOOT	Coal	4ENB	737	West	0.0	East	102	1959
unnamed	UPPER NINE FOOT	Coal	4ENA	749	West	11.0	North	102	1945
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4ENI	750	South-West	10.7	North-East	150	1933
unnamed	6FT BOTTOM LEAF	Coal	4EN4	750	West	0.0	East	292	1929
unnamed	FOUR FOOT	Coal	4EMY	760	North-West	0.0	East	208	1921
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4ENJ	762	Beneath Property	14.2	North	150	1944
unnamed	BUTE	Coal	4EN2	770	South-West	7.6	North	79	1934
unnamed	BUTE	Coal	4EN3	786	South-West	0.0	East	79	1936

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

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

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	285195-004	285638 195884	This shaft was filled with stone in 1977 and the surface reinstated	Coal	
Adit	285195-005	285663 195956		Coal	
Adit	285195-007	285484 195761		Coal	
Shaft	285195-009	285981 195719		Coal	
Shaft	285195-010	285985 195663		Coal	
Adit	286195-003	286592 195400		Coal	

Abandoned mine plan catalogue numbers

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

8205	SWA779	SWR3307
SWA778	SWR3748	5466
SWA3179	R12070	SWR4119

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
NO.2 RHONDDA	Coal	Yes	Within	N/A	51
NO.2 RHONDDA	Coal	Yes	Within	N/A	132
NO.2 RHONDDA	Coal	Yes	Within	N/A	255
NO.2 RHONDDA RIDER	Coal	Yes	Within	N/A	49
NO.2 RHONDDA RIDER	Coal	Yes	Within	N/A	92
NO.2 RHONDDA RIDER	Coal	Yes	Within	N/A	122
NO.2 RHONDDA RIDER	Coal	Yes	Within	N/A	255
PANTRHYDYDWR RIDER NO.2	Coal	No	49.9	South	67
PANTRHYDYDWR RIDER NO.2	Coal	No	Within	N/A	243
PANTRHYDYDWR RIDER NO.2	Coal	No	Within	N/A	268
TILLERY BRITHDIR	Coal	Yes	Within	N/A	95
TILLERY BRITHDIR	Coal	Yes	Within	N/A	108
TILLERY BRITHDIR	Coal	Yes	Within	N/A	121
TILLERY BRITHDIR	Coal	Yes	Within	N/A	124
TILLERY BRITHDIR	Coal	Yes	Within	N/A	176
TILLERY BRITHDIR	Coal	Yes	Within	N/A	337
TILLERY RIDER NO.2	Coal	Yes	Within	N/A	166
TILLERY RIDER NO.2	Coal	Yes	Within	N/A	194

Geological faults, fissures and breaklines

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

Faults under or close to the property recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

Distance to tip (m)	Direction
444.6	South-East

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

Distance to gas incident/remediation (m)	Direction
210.9	West

See Section 4 for further information.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

The property is in an area where notices to withdraw support were given in 1945 and 1956.

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.

Mine gas remedial works

The site is within an area of previous interest. It is close to where the Coal Authority has investigated and subsequently remediated the effects of mine or ground gas emissions following specific reported hazards.

The site requires further investigation and may influence your risk assessment. We recommend that you order the **Coal Authority Mine Gas Emission 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.

