EAL

APPENDIX V – BGS BOREHOLE LOGS

APPENDIX V –BGS BOREHOLE LOGS

British Geological Survey

NATIONAL COAL BOARD NORTH WESTERN AREA NORTH WALES REGISTER OF DISUSED SHAFTS 6 INCH ORDNANCE SHEET NUMBER SJ 24 NE/SW3 - SE2

	Shaft Register No.	Parish	Name of Colliery & Name and/or No. of shaft or adit	In Feet Dia.	In Feet Depth	Depth to Water	Top of Shaft to O.D.	National Grid Co-ordinates	Sources to consult for information: Abandonment plans etc.	6 Inch Geol.	1:2500 County Sheet	Other O.S. Sheets	Other Sources	In Insp. File	Remarks
543	51	Penycae	Enclwyd Colliery Old Shaft		140'			328 177 E 346 051 N SJ	Enclwyd Colliery 6372 Map 7 MRO					No	6372 Map 7 filled up No trace, S/68
544	52	Rhosllanerch -rugog	Pant Colliery						MRO RHOS FARM 14896 14880					No	No trace, presumed filled S/68
545	53	Rhosllanerch -rugog	Pant Colliery						MRO					No	No trace, presumed filled S/68
546	54	Rhosllanerch -rugog	Pant Colliery					328 546 E 346 038 N SJ 2646	MRO * RHOS FARM 14896 14880		DB. 35.2 1375			No	No trace, presumed filled S/68 * MRO plan shows two shafts at this site, one from the Brereton 3, 6 inch map.
547	55	Rhosllanerch -rugog	Pant Colliery						MRO RHOS FARM 14896 14880					No	No trace, presumed filled S/68
548	56	Rhosllanerch -rugog	Pant Colliery						MRO RHOS FARM 14896 14880					No	No trace, presumed filled S/68
549	57	Rhosllanerch -rugog	Pant Colliery						MRO RHOS FARM 14896 14880					No	No trace, presumed filled, S/68
550	58	Rhosllanerch -rugog							MRO RHOS FARM 14896 14880					No	No trace, presumed filled S/68
551	59	Rhosllanerch -rugog	Rhos Farm Colliery Pant.						MRO RHOS FARM 14896 14880					No	No trace, presumed filled S/68
552	60	Rhosllanerch -rugog							MRO					No	No trace, presumed filled S/68

British Geological Survey

NATIONAL COAL BOARD NORTH WESTERN AREA NORTH WALES REGISTER OF PITS AND SHAFTS 6 INCH ORDNANCE SURVEY

Shaft Register No.	Parish	Name of Colliery & Name and/or No. of shaft or adit	In Feet Dia.	In Feet Depth	Depth to Water	Top of Shaft to O.D.	National Grid Co-ordinates	Sources to consult for information: Abandonment plans etc.	6 inch Geol.	1 : 2500 County Sheet	Other O.S. Sheets	Other Sources	In Insp. File	Remarks
64	Rhosllanerchrugog							M&O				76	No	No trace, presumed filled 5/68
63	Rhosllanerchrugog	Rhosllanerchrugog Colliery No. 6 Shaft					329 067 E 346 754 N SJ 2846	Rhos Colliery 14897 New (Stone) Navvi Lower Yard					No	No trace, presumed filled 5/68 converted to ventilation s.p.c 18th NOVEMBER 1970
5	Rhosllanerchrugog	Rhosllanerchrugog Colliery No 11 Shaft					329 031 E 346 670 N SJ 2846	Rhos Colliery 14897 New (Stone) Navvi M&O					No	No trace, presumed filled 5/68
64	Rhosllanerchrugog	Rhosllanerchrugog Colliery No 8 Shaft					329 115 E 346 674 N SJ 2846	Rhos Colliery 14897 New (Stone) Navvi M&O				Plan of Estate of Rhos Estate 1926	No	No trace, presumed filled 5/68
65	Rhosllanerchrugog	Rhosllanerchrugog Colliery No 7 Shaft					329 226 E 346 726 N SJ 2846	Rhos Colliery 14897 New (Stone) Navvi Lower Yard					No	No trace presumed filled 5/68
66	Rhosllanerchrugog	Rhosllanerchrugog Colliery No 4 Shaft					329 012 E 346 542 N SJ 2846	Rhos Colliery 14897 New (Stone) Navvi M&O					No	No trace, presumed filled 5/68
67	Rhosllanerchrugog	Rhosllanerchrugog Colliery No. 5 Shaft					329 163 E 346 570 N SJ 2846	Rhos Colliery 14897 New (Stone) Navvi Lower Yard Well & Bench					No	No trace, presumed filled 5/68
68	Rhosllanerchrugog	Rhosllanerchrugog Colliery No. 3 Shaft					329 066 E 346 402 N SJ 2846	Rhos Colliery 14897 New (Stone) Navvi Lower Yard				Plan of Estate of Rhos Estate 1926	No	No trace, presumed filled 5/68
69	Rhosllanerchrugog	Rhosllanerchrugog Colliery No 2 Shaft					329 116 E 346 369 N SJ 2546	Rhos Colliery 14897 New (Stone) Navvi Lower Yard Well & Bench M&O				1.	No	No trace, presumed filled 5/68.
70	Rhosllanerchrugog	Rhosllanerchrugog Colliery No 1 Shaft					329 118 E 346 358 N SJ 2546	Rhos Colliery 14897 New (Stone) Navvi Lower Yard Well & Bench M&O				1.	No	No trace, presumed filled 5/68

c b4

British Geological Survey

NATIONAL COAL BOARD NORTH WESTERN AREA NORTH WALES REGISTER OF DISUSED SHAFTS 6 INCH ORDNANCE SHEET NUMBER SJ ..... 24 NE. 572-579

Shaft Register No.	Parish	Name of Colliery & Name and/or No. of shaft or adit	In Feet Dia.	In Feet Depth	Depth to Water	Top of Shaft to O.D.	National Grid Co-ordinates	Sources to consult for information: Abandonment plans etc.	6 Inch Geol.	1:2500 County Sheet	Other O.S. Sheets	Other Sources	In Disp. File	Remarks
572 X1	Rhosllanerch-rugog	Carddan Colliery No. 13 Shaft						MRO	DB 35 NW 1925	DB 35,2 1873		1	No	No trace, presumed filled. 5/68
573 X2	Rhosllanerch-rugog	Old Shaft	8'	16'			329 448 E 346 050 N SJ 2546	MRO 06 35 NW Topographical only	DB 35 NW 1925 Topographical only	DB 35,2 1875 1900 1913	SJ 2546 1943	1, 36.	No	Filled 30 Sept 1968 Depth 16 metres, 5/68
574 X3	Rhosllanerch-rugog	Brandy Colliery ~~Shaft~~					329 832 E 346 073 N SJ 2646	Brandy Colliery (Private Company) Head Office Wrexham Yard	DB 35 NW 1925			1, 36.	No	No trace, presumed filled. 5/68
575 X4	Rhosllanerch-rugog	Rhos Farm Colliery						MRO ENOS FARM 14896					No	No trace, presumed filled. 5/68
576 X5	Rhosllanerch-rugog	Rhos Farm Colliery					328 751 E 345 954 N SJ 2545	MRO Paul Colliery 14899 Unnamed ENOS FARM 14896 14880		DB 35 6 1874			No	Depression 14886, presumed filled. 5/68
577 X6	Rhosllanerch-rugog	Rhos Farm Colliery						MRO ENOS FARM 14896 14880					No	No trace, presumed filled 5/68 Searched & Located 1974
1077 X7							2894 4594						No	No trace, presumed filled. 5/68
578 X8	Penycae	Rhos Farm Colliery					328 495 E 345 794 N SJ 2845	MRO ENOS FARM 14896 14880		DB 35,6 1874			No	No trace, presumed filled. 5/68
579 X9	Rhosllanerch-rugog	Rhos Farm Colliery						MRO ENOS FARM 14896 14880					No	No trace, presumed filled. 5/68
X10													No	No trace, presumed filled. 5/68

c b4

British Geological Survey

NATIONAL COAL BOARD NORTH WESTERN AREA NORTH WALES REGISTER OF DISUSED SHAFTS 6 INCH ORDNANCE SHEET NUMBER SJ 34 NE/654-663

	Shaft Register No.	Parish	Name of Colliery & Name and/or No. of shaft or adit	In Feet Dia.	In Feet Depth	Depth to Water	Top of Shaft to O.D.	National Grid Co-ordinates	Sources to consult for Information: Abandonment plans etc.	6 Inch Geol.	1:2500 County Sheet	Other O.S. Sheets	Other Sources	In Insp. File	Remarks
654	171	Penycae						328 288 E 345 55[illegible] N SJ 2845			DB 35.6 1874			No	No trace, presumed filled 5/68
655	172	Penycae						328 [illegible] E 345 5[illegible] N SJ 2545	Rhos Farm Colliery 14896 Unnamed		DB 35.e 1874			No	No trace, presumed filled 5/68.
656	173	Rhosllanerch-rugog ~~Ruabon~~	Bryn yr Owen Colliery Engine P.t					329 810E 347 023N SJ2847	✓		~~DB XXV 6~~ ~~1874~~		Plan of Bryn Colliery area showing situation of shaft 20 ✓	No	No trace, presumed filled 5/68 Number on plan trace. Penycae 173 renumbered 172, Bryn yr Owen 173 retained.
657	174	Rhosllanerch-rugog	Part Colliery	500 yds to N.E.				328 87[illegible] E 345 92[illegible] N SJ 284[illegible]	MRO Part Colliery 14889 Unnamed RHOS FARM 14896 ✓ [illegible]		DB XXXV 6 1874			No	No trace — in field 4/4/73 CCB
658	175	Rhosllanerch-rugog	Rhos Farm Colliery No 2 P.t					328 905 E 346 84[illegible] N SJ 2845	MRO Part Colliery 14889 Unnamed RHOS FARM 14896 ✓ 14890					No	No trace — in field 4/4/73 CCB TRENCHED & LOCATED 1/74
659	176	Rhosllanerch-rugog	"						MRO RHOS FARM 14896 14,000. ✓					No	No trace, but possible area of shaft to be found off, 20 × 30, — grass. 4/4/73 CCB TRENCHED & LOCATED
660	177	Rhosllanerch-rugog	No. 1 P.t						MRO RHOS FARM 14896 ✓					No	No trace — in fld. 4/4/73 CCB. !. TRENCHED & LOCATED
661	178	Rhosllanerch-rugog	No. 2 P.t						MRO RHOS FARM 14896 ✓					No	No trace, in old hp. 4/4/73 CCB
662	179	Rhosllanerch-rugog	"						MRO RHOS FARM 14896 ✓					No	No trace, overgrown on old hp. 4/4/73 CCB OUTSIDE SITE (1977)
663	180	Rhosllanerch-rugog	"						MRO RHOS FARM 14896					No	No trace, overgrown on old hp 4/4/73 CCB

c b4

British Geological Survey

b4 :h b4 n
b 4

0652 b22 SJ06SE /4-11

C.I.L. Architects Department.

SJ 24 NE 1122-1129

Pen-y-cae Site 'C'. Report on Boreholes drilled in July and August 1973. With plan and sections.

1. A previous report, dated 2nd. June 1973, stated that several boreholes would be necessary on this site to prove if any very shallow workings existed.

Eight holes have been drilled, in the positions shown on the accompanying plan, numbered 1257, and sections of the holes are shown on plans numbered 1268, 1269 and 1270. Holes numbered 2, 3, 5, and 7 started in normal soil, while those numbered 1, 4, 6 and 8 started in made ground. No.1 was in ashes to a depth of 2 feet six inches, probably part of the old railway embankments; No. 4 was in shale fill to depth of five feet six inches and No. 6 was in shale and coal fill to a depth of eight feet. No. 8 consisted of shale and brick fill to a depth of five feet, probably waste from the adjoining Pant Brickworks.

Brown Sandy Clay was then proved in all holes, with a thickness varying from four feet to seven feet six inches, followed by sand and gravel in the holes numbered 1, 2, 3 and 6, with a thickness of from nine feet to thiry six feet. Holes 4, 7 and 8 had clay and gravel instead, with a thickness of nineteen feet to thirty two feet six inches while hole No. 6 had thirty seven feet of Boulder Clay and gravel and No. 5 had sixty seven feet of Boulder Clay.

Boulder Clay appeared in all the holes except Nos. 7 and 8, which had Clay and Gravel, followed by Sand and Gravel.

A rather plastic clay was proved in Nos. 3, 4 and 6, its thickness being eleven feet to twelve feet.

Finally, all holes passed into shale which persisted to their full depths, as follows -

No. 1	from 65' 0"	to	100' 0"	=	35' 0"
2	76' 0"		120' 0"	=	44' 0"
3	70' 0"		100' 0"	=	30' 0"
4	81' 0"		120' 0"	=	39' 0"
5	74' 0"		120' 0"	=	46' 0"
6	64' 5"		110' 0"	=	45' 7"
7	50' 0"		100' 0"	=	50' 0"
8	40' 0"		100' 0"	=	60' 0"

2. No old workings were proved in any of the holes and only one trace of coal (2") in No. 6 Borehole. It is possible that the shale proved in all the holes is that which overlies the Nant Seam and the trace of coal in No. 6 borehole could be a trace of the Firedamp Seam.

3. In my report dated 2nd June 1973, I stated that ten seams could be present under the site but the boreholes suggest that only four actually exist under the site, namely, Nant, Lower Yard, Wall and Bench and Llwynenion Half Yard, all of which have been worked prior to 1860. Some idea of the depths of these seams may be obtained when the five shafts, present on the site, are drilled in preparation for grouting.

18th. September 1973.

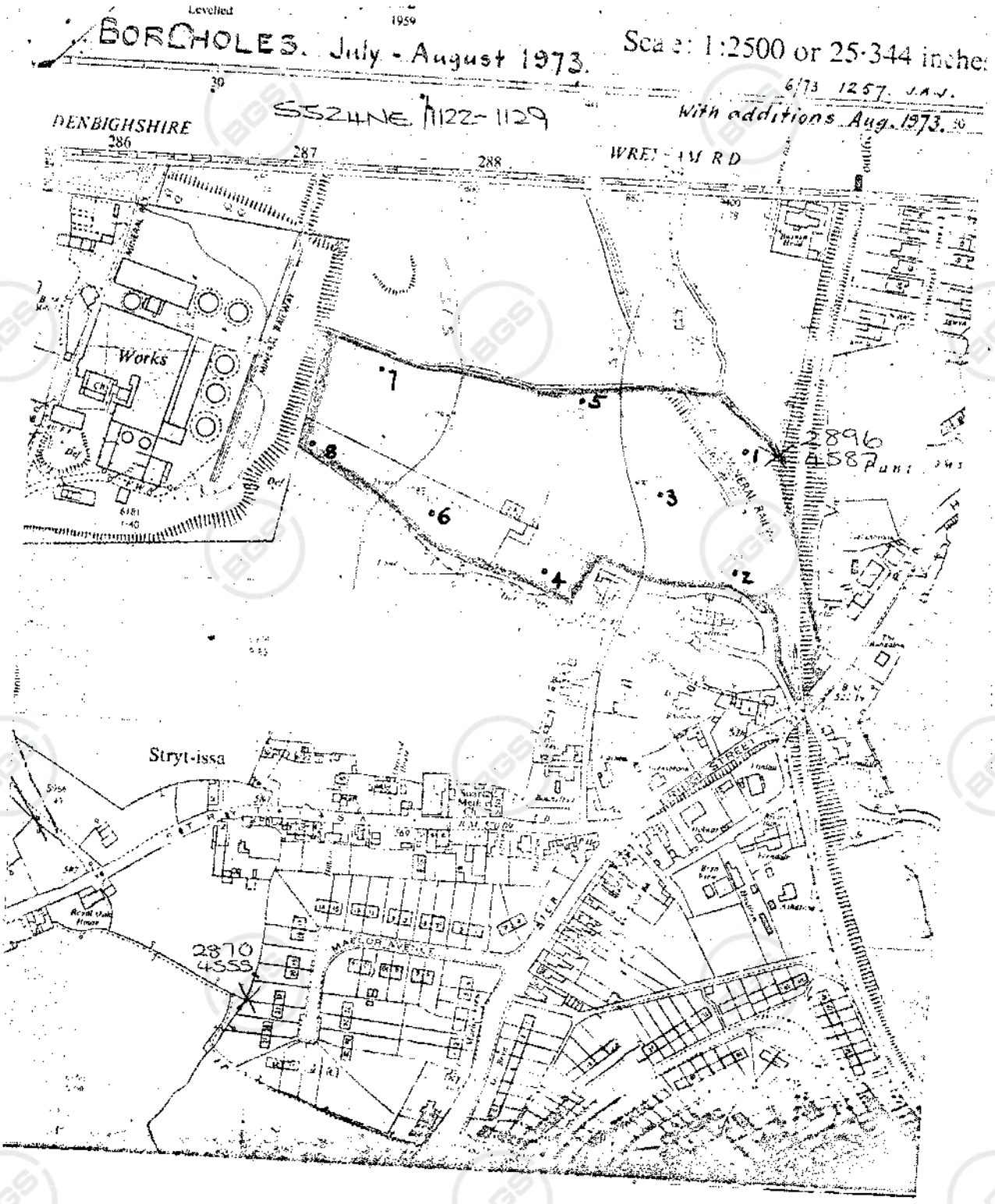
J A. Jones

Chartered Surveyor (Minerals).

ACCESSION NO. 39401

c b4

British Geological Survey



British Geological Survey

Nº 1 BOREHOLE. SJ2UNE 1122

Surface Level - ? 147.8

2894
4587

	Thick Ft	Thick In	Depth Ft	Depth In
Ash Fill.	2	6	2	6
Brown Sandy Clay.	6	6	9	0
Sand and Gravel.	9	0	18	0
Boulder Clay with Gravel	27	0	45	0
Shale with Ironstone Bands	20	0	65	0
Shale to			100	0

PEN-Y-CAE 'C'

Nº 2 BOREHOLE SJ2UNE 1123

Surface Level - 141.12

2894
4580

	Thick Ft	Thick In	Depth Ft	Depth In
Soil	1	6	1	6
Brown Sandy Clay	5	6	7	0
Sand and Gravel	9	0	16	0
Boulder Clay	51	0	67	0
Grey Shale with Ironstone Bands	9	0	76	0
Grey Shale to			120	0

Nº 3 BOREHOLE SJ2UNE 1124

Surface Level - 144.8

2889
4584

	Thick Ft	Thick In	Depth Ft	Depth In
Soil	1	6	1	6
Brown Sandy Clay	7	6	9	0
Sand and Gravel	36	0	45	0
Plastic Clay	12	0	57	0
Boulder Clay	13	0	70	0
Grey Shale to			100	0

8/73. 1260 J.A.D.

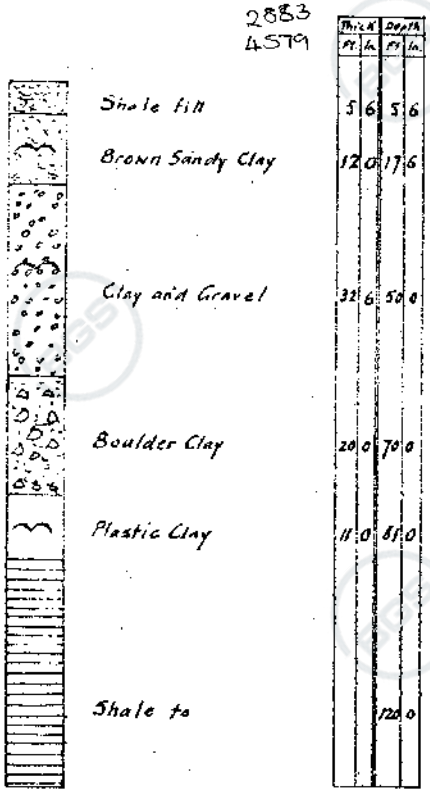
British Geological Survey

SJ24NE 1125

No 4 BOREHOLE.

Surface Level - 146

2883
4579

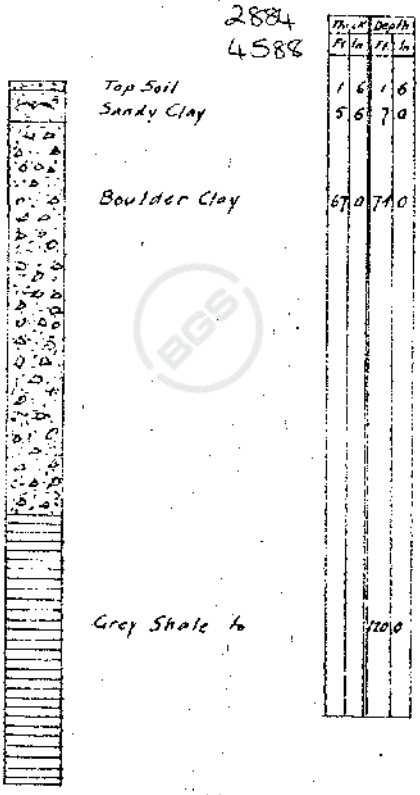


SJ24NE 1126

PEN-Y-CAE C.
No 5 BOREHOLE.

Surface Level - 147·5

2884
4588

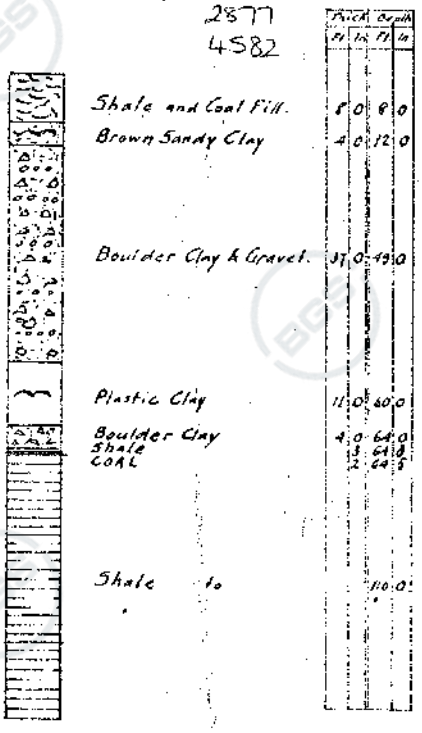


SJ24NE 1127

No 6 BOREHOLE.

Surface Level - 154·2

2877
4582



8/73 1269. J.A.S.

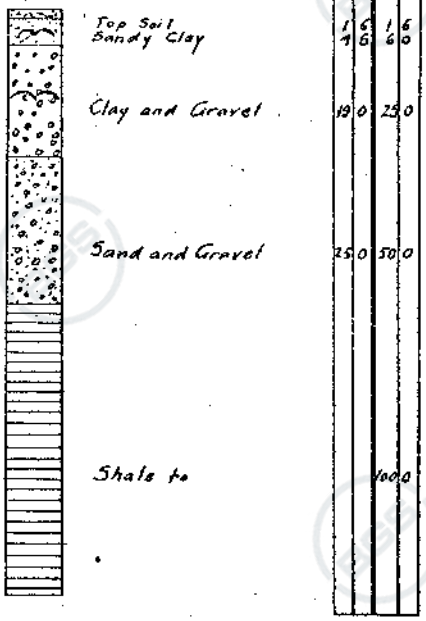
British Geological Survey

PEN-Y-CAE 'C'

No 7 BOREHOLE Sheet 1128

Surface Level - 163·7

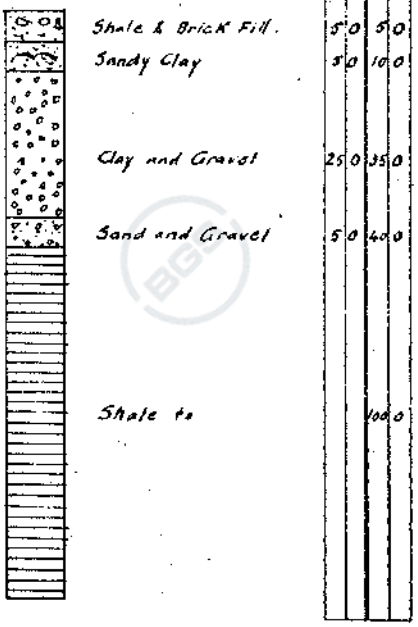
2873
4589



No 8 BOREHOLE Sheet 1129

Surface Level - 167·6

2870
4585



8/73. 1270. J.A.J.

British Geological Survey

SJ 24/2.

PONKEY? Poncian SJ24..

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

FUEL RESEARCH COAL SURVEY SJ24NE/1144

NORTH STAFFORDSHIRE COALFIELD

Telephone: CHESTER 1282
Communications should be addressed to THE OFFICER IN CHARGE
Ref.

approx SJ 29 46

COAL SURVEY LABORATORY,
OLD GOVERNMENT HOUSE,
DEE HILLS PARK,
CHESTER.

15th August, 1944.

Dear Dr. Trotter,

Many thanks for your letter and helpful remarks on the identification of the seams at Ponkey and Plas Power Park.

I am now able to let you have the details for the Ponkey No.4 T.H. which we sampled on Saturday. These are as follows :-

		Ft.	in.	Ft.	in.
	Soil (outset)	0	7	0	7
	Sand & soil with small pebbles ...	1	9	2	4
	Boulder clay	1	8	4	0
	Broken sandstone	4	0	8	0
	Sandy shale	5	2	13	2
	Grey shale	1	10	15	0
	" " with ironstone payers ...	3	10	18	10
	" "	9	10	28	8
	Black, laminated shale	0	10	29	6
Seam D.	... ...	2	1½	31	7½
	Dark fireclay	0	8½	32	4
Seam C.	... ...	1	1	33	5
	Fireclay	3	4	36	9
Seam B.	Intergrown coal & shale ...	0	2		
	Coal	1	4½		
	Intergrown coal & shale ...	0	1	38	4½
	Fireclay	3	8	42	0½
	Coal (hard and inferior)	0	3	42	3½
	Dark grey fireclay	2	0½	44	4
Seam A.	Top Coal	0	8		
	Ironstone & shale	0	3½		
	Coal	0	4		
	Fireclay	0	3		
	Coal	1	2½	47	1
	Light grey fireclay	0	11	48	0

14.63 m TD

A 10 in. layer of black laminated shale occurred above the top seam but I was unable to find any traces of fish remains in the few pieces that I brought back to the lab.

Kind regards.

Yours sincerely,

H. Bury

Dr. Trotter, Geological Survey Office.

APPENDIX VI – CONSULTANTS MINING REPORT

APPENDIX V I–CONSULTANTS MINING REPORT

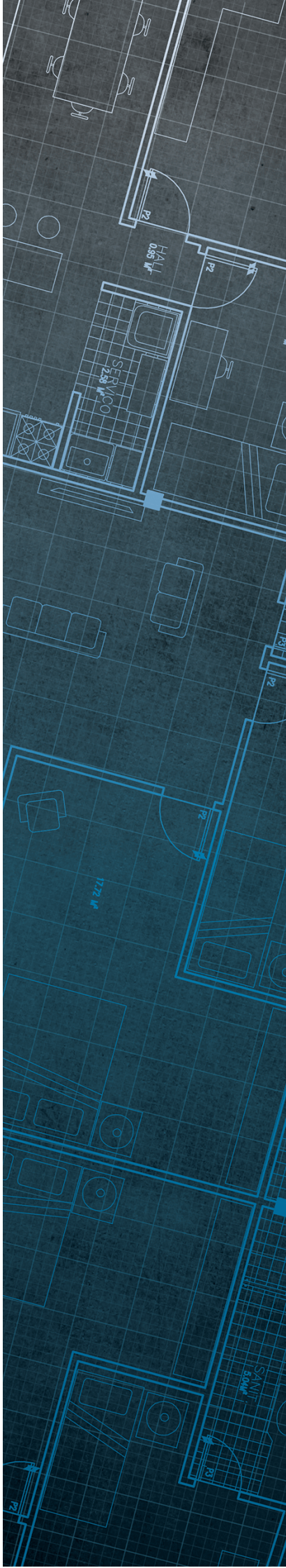
The Coal Authority

Consultants

Coal Mining Report

Ysgol Id Hooson, Heol Caradoc,
Rhosllanerchrugog
Wrexham
LL14 2DX

Date of enquiry:	**7 October 2024**
Date enquiry received:	**7 October 2024**
Issue date:	**7 October 2024**
Our reference:	**51003454876001**
Your reference:	**GS-WJ5-AHA-N5F-WQK**



Consultants

Coal Mining Report

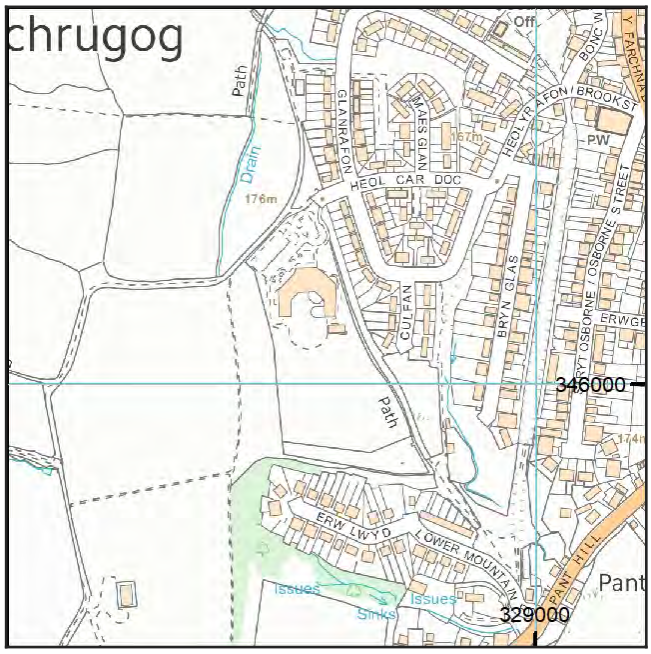
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

GROUNDSURE LIMITED

Enquiry address

Ysgol Id Hooson, Heol Caradoc, Rhosllanerchrugog
Wrexham
LL14 2DX



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

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

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	WALL AND BENCH	Coal	7H2Q	56	Beneath Property	6.0	East	110	1860
unnamed	HALF YARD / QUEEN	Coal	381B	69	Beneath Property	7.0	East	50	1868
unnamed	WALL AND BENCH	Coal	7H24	71	Beneath Property	6.0	East	110	1850

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Copyright © 2024 The Coal Authority

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	328345-085	328750 345953		Coal	
Shaft	328345-086	328731 345876	This entry has been grouted and plugged in 1981 by NKC Geotech Ltd. The specification of this treatment is unknown.	Coal	
Shaft	328345-087	328910 345937		Coal	
Shaft	328345-174	328883 345921		Coal	
Shaft	328345-175	328901 345865	This entry was grouted and plugged in 1981 by NKC Geotech to an unknown specification.	Coal	
Shaft	328345-178	328676 345976		Coal	
Shaft	328345-179	328710 345910		Coal	
Shaft	328346-055	328653 346116		Coal	
Shaft	328346-056	328714 346127		Coal	
Shaft	328346-057	328754 346169		Coal	
Shaft	328346-058	328826 346204		Coal	
Shaft	328346-059	328773 346025		Coal	
Shaft	328346-365	328610 346182		Coal	
Shaft	328346-366	328611 346122		Coal	

Abandoned mine plan catalogue numbers

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

14897	14889	PO0
R289	NW1508	14896
NW1507	14880	0

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
NANT (SOFT 5 QTRS)	Coal	Yes	Within	N/A	124
RUABON YARD (SOFT 5 QTRS)	Coal	Yes	38.5	North	131

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Copyright © 2024 The Coal Authority

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

Distance to site investigation (m)	Direction
23.3	South

See Section 4 for further information.

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.

Copyright © 2024 The Coal Authority

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.

Copyright © 2024 The Coal Authority

Section 4 – Further information

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

Future development

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

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

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.

Site investigations

The site is within an area of previous interest. It is close to where the Coal Authority has received information relating to past site investigations.

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

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

Copyright © 2024 The Coal Authority

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.

Copyright © 2024 The Coal Authority

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

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

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

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

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

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

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

Mine gas
Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

Copyright © 2024 The Coal Authority

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.

Copyright © 2024 The Coal Authority

The Coal Authority

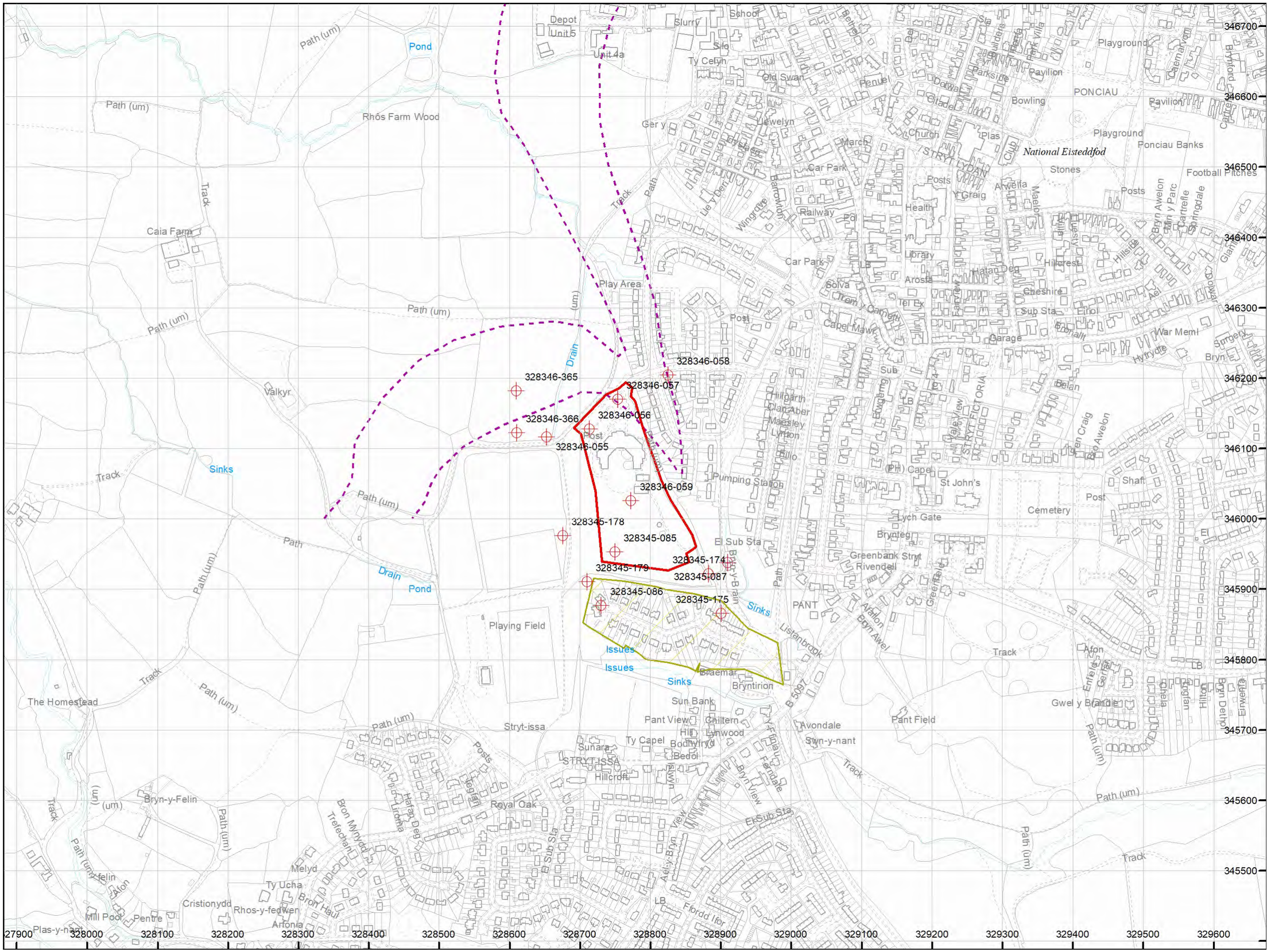
Summary of findings

Reproduced by permission of Ordnance Survey on behalf of HMSO.
© Crown copyright and database right 2018. All rights reserved.
Ordnance Survey Licence number: 100020315

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)
- Site investigations



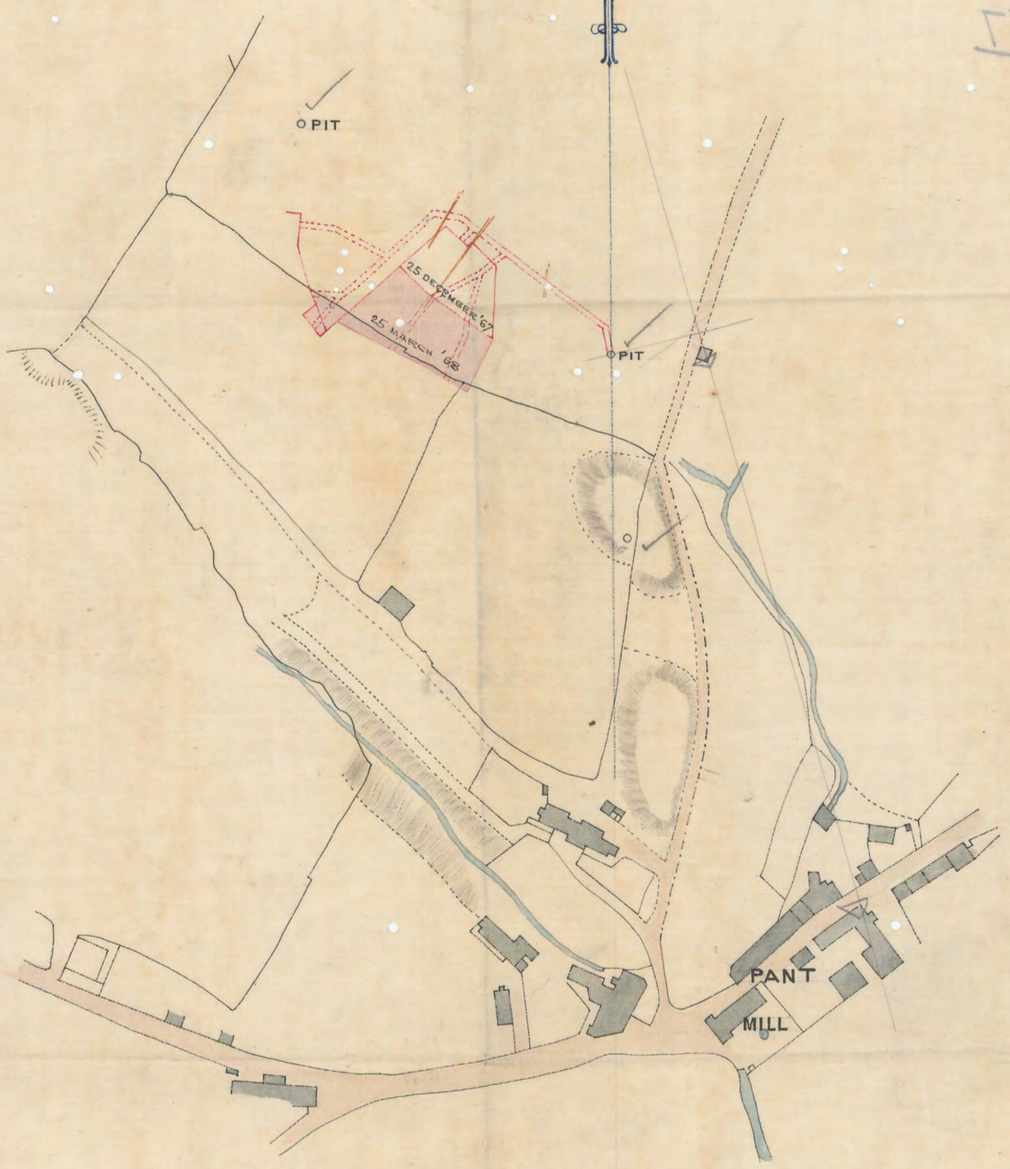
How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com

EAL

APPENDIX VII – ABANDONMENT PLANS

APPENDIX VII– ABANDONMENT PLANS

14889



Scale 2 Chains to an Inch.

Presented by Llay Main Colly. North Wales 1949.
A.H.

PANT
Denbigh
35. NW. Eq.

14889

Simon Yorke Esqr

Hon^ble F. West

Presented by Llay Main Colliery, North Wales 1949.
A.T.H.

Cae Bychan

Cae Llwyn ct

Ystlw Uchaf

Cae Shamber

Cae yr Allfon

Cae Cyffelly

Edw^d Ll Williams Esqr

No 1

No 2

Engine

Boiler House

No 3

Wm Owens House

No 16 acres
of Wall & Bench
in Llwyn Owen Land
not touched

Cae Leyton

3½ Acres
of Llwyngwenin coal
or half yard not got
and 6 Beds of Iron Stones
not got —

about 2 acres of yard Coal
yet to be worked

Wall & Bench which
of Llewenenyon
Cae Bychan
Land

Shaft

Pump Furnace

No 2
Pit
Narrow Coal

Cae Leyton

Yron Uchaf

Simon Yorke Esqr

Yron Isaf

Hon^ble F. West Land

No 2
Wall & Bench

No 1 yard Coal

Wall & Bench
Coal

E Jones
Wall & Bench and Llewenenyon Coal
Worked by Sett E Jones Land & Llewenenyon
Part of E Jones's

E Jones

E Jones

E Jones

E Jones

Thos Evans

T Porter

Scale 2 Chains to 1 Inch

yellow Clay		
	26 7	0
Red loom	10 7	
Rock	2 7	30
Shale & Ironstone	6 7	
Yard Coal		Stone Coal
Dirty Coal		40
Shale & Clay		
		60
Rock		
		70
Shale & Ironstone		
Yard Coal		73
Clunch		
Shale & Ironstone		
Yard Coal		8
Fire Clay		
Rock		
Shale & Ironstone		
Wall & Bench Coal		100

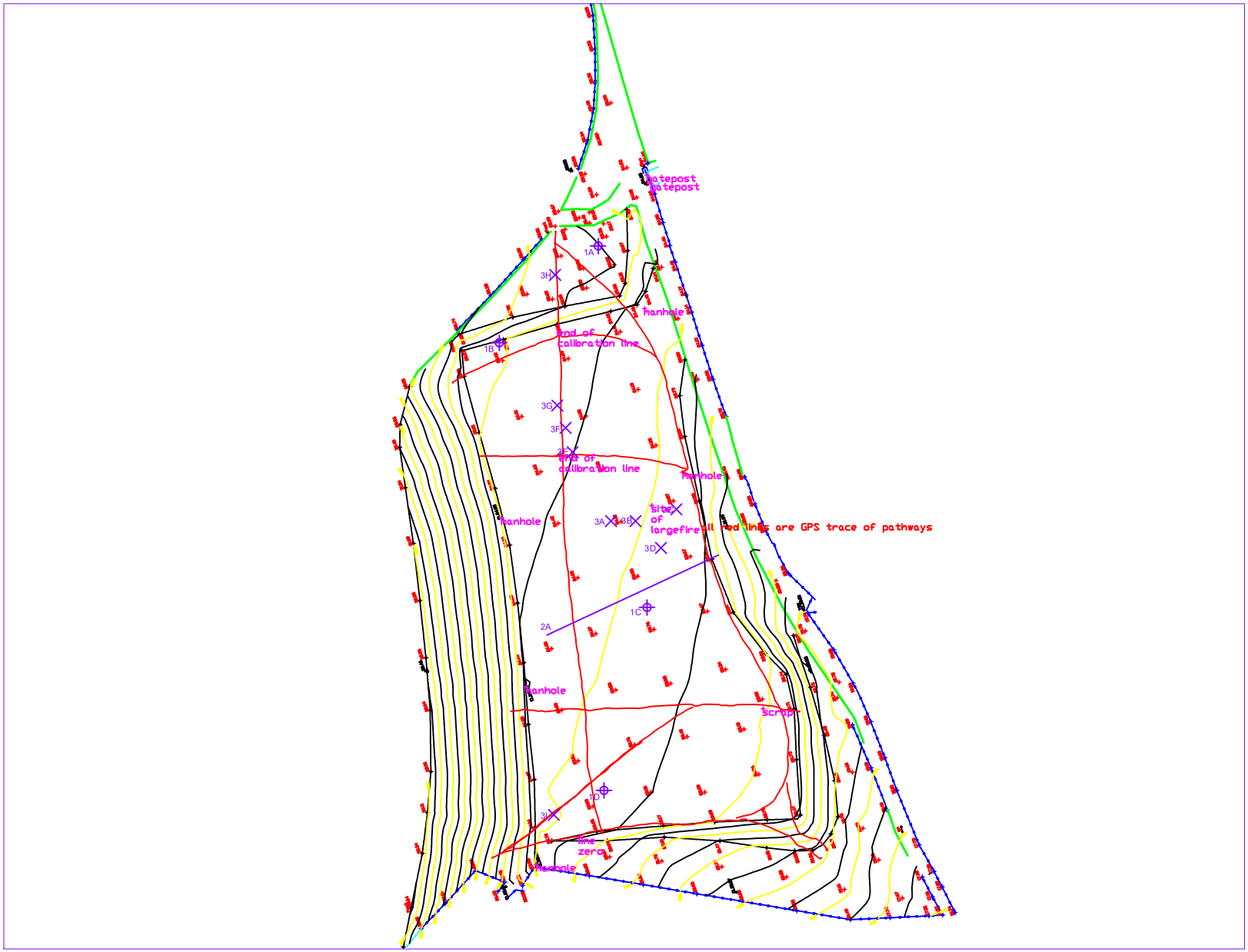
14896/1

14896

EAL

APPENDIX VIII– GEOPHYSICAL SURVEY

APPENDIX VIII – GEOPHYSICAL SURVEY



NOTES

THIS DRAWING IS BASED UPON CLIENT DRAWING 'Pant Brickworks Outline Plan.DWG'.

THIS DRAWING AND THE INFORMATION CONTAINED THEREIN IS ISSUED IN CONFIDENCE AND IS THE COPYRIGHT OF REYNOLDS GEO-SCIENCES LIMITED. DISCLOSURE OF THIS INFORMATION TO THIRD PARTIES AND UNAUTHORISED COPYING OR REPLICATION OF THIS DATA WITHOUT APPROVAL IS FORBIDDEN.

ALWAYS EXERCISE CAUTION WHEN EXCAVATING

KEY

SOURCES OF POSSIBLE GEOPHYSICAL SURVEY INTERFERENCE

PATHWAY

INTERPRETED LOCATION OF MINESHAFTS FROM GEOPHYSICAL SURVEY RESULTS (NOMINAL CENTRE POINT LOCATION OF MINESHAFTS)

GEOPHYSICAL ANOMALY

Reynolds Geo-Sciences Ltd.
Unit 17, Mold Business Park
Mold, Flintshire
CH7 1XP

T: +44 [0] 1352 756196
F: +44 [0] 1352 759353

W: www.RGSL@geologyuk.com

Client
WREXHAM COUNTY BOROUGH COUNCIL
WREXHAM

Site
SITE 1: FORMER PANT BRICKWORKS
RHOSLLANERCHRUGOG

Title
MAGNETOMETER AND EM31 SURVEY

RB RB

01/2006

Ref: Pant Brickworks_GeophysFINAL

Job No: J06225