

Appendix F

Mining, Ground Stability and Borehole Information

The COAL AUTHORITY

Issued by:

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LIMITED
SOWTON INDUSTRIAL ESTATE
ABBEY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference:	51000078607004
Your reference:	38801377
Date of your enquiry:	30 April 2012
Date we received your enquiry:	30 April 2012
Date of issue:	01 May 2012

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

**LAND AND BUILDINGS AT MITCHELL'S ENTERPRISE PARK, BRADBERRY BALK LANE,
WOMBWELL,, BARNSELEY, SOUTH YORKSHIRE,**

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

The property is in the likely zone of influence from workings in 9 seams of coal at 110m to 590m depth, and last worked in 1980.

Any ground movement from these coal workings should have stopped by now.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

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

The property is not in an area that is likely to be affected at the surface from any planned future workings.

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

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

Within, or within 20 metres of, the boundary of the property there are 2 mine entries, the approximate positions of which are shown on the attached plan.

Our records disclose the following information:

439404-002. was filled to a depth of 179.5m in 1966 filled to the surface to British Coal specifications in 1993 and capped in 1994.

Mine entry 439404-002 was conveyed to Barnsley Metropolitan Borough Council in 2002.

439404-001. was filled to a depth of 338m in 1966 filled to the surface to British Coal specifications in 1993 and capped in 1994.

Mine entry 439404-001 was conveyed to Barnsley Metropolitan Borough Council in 2002.

For an additional fee, the Coal Authority will provide a supplementary Mine Entry Interpretive Report. The report will provide a separate assessment for the mine entry (entries) referred to in this report. It will give details based on information in the Coal Authority's possession, together with an opinion on the likelihood of mining subsidence damage arising from ground movement as a consequence of the existence of the mine entry/entries. It will also give details of the remedies available for subsidence damage where the mine entry was sunk in connection with coal mining. Please note that it may not be possible to produce a report if the main building to the property cannot be identified from Coal Authority plans (ie. for development sites and new build).

For further advice on how to order this additional information visit www.groundstability.com or telephone 0845 7626 848.

Coal mining geology

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

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

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

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

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

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

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

The 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

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

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

Withdrawal of support

The property is in an area for which notices of entitlement to withdraw support were published in 1946, 1983.

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

Working facilities orders

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

Payments to owners of former copyhold land

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

Comments on Coal Authority information

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

Property owners have the benefit of statutory protection (under the Coal Mining Subsidence act 1991*). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage from disused coal mine workings including disused coal mine entries. A leaflet setting out the rights and the obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by telephoning 0845 762 6848 or online at www.coal.decc.gov.uk/en/coal/cms/services/claims.

If you wish to discuss the relevance of any of the information contained in this report you should seek the advice of a qualified mining engineer or surveyor. If you or your adviser wish to examine the source plans from which the information has been taken these are normally available at our Mansfield office, free of charge, by prior appointment, telephone 01623 637235. Should you or your adviser wish to carry out any physical investigations that may enter, disturb or interfere with any disused mine entry the prior permission of the owner must be sought. For coal mine entries the owner will normally be the Coal Authority.

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

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

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

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

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Location map



Approximate position
of property



Enquiry boundary

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Key

Approximate position of enquiry
boundary shown



Disused Adit or Mineshaft



Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

38801377_1_1

Customer Reference:

AC00018

National Grid Reference:

439200, 404150

Slice:

A

Site Area (Ha):

0.61

Search Buffer (m):

1000

Site Details:

Land and Buildings at Mitchell's Enterprise Park
Bradberry Balk Lane
Wombwell
BARNSELY
South Yorkshire
S73 8HR

Client Details:

Miss A Chitoriski
AC Environment Solutions Ltd
Longfields Court, Middlewoods Way
Wharncliffe Business Park
Carlton
Barnsley
South Yorkshire
S71 3GN

Prepared For:

GB Cullet Ltd
Mitchell's Enterprise Park
Wombwell
S73 8HR

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	4
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	6
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	7
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Motion Map Data (1:2,500)	9
The Motion Map Data (1:2,500) section contains data which is plotted to indicate long-term stability trends from analysis of satellite radar data.	
Historical Map List	10
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	11
Data Suppliers	13
Useful Contacts	14

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The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		1		2
Coal Mining Affected Areas	pg 1	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 1	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 1	Yes	Yes	n/a	n/a
Potential Mining Areas	pg 1	4	4	2	3
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)	pg 4	1	3	n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 4		5	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)	pg 4	3	2	n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 5	1	4	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 6				1
Heap, unknown constituents	pg 6		1		
Mineral Railway	pg 6				4
Mining & quarrying general	pg 6	1			
Mining of coal & lignite	pg 6	1			1
Quarrying of sand & clay, operation of sand & gravel pits	pg 6			1	
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 6	1			2
Potentially Infilled Land (Water)	pg 6		1		5

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Ground Stability Data (1:50,000)					
Brine Compensation Area			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 8	Yes	Yes	n/a	n/a
Salt Mining Related Features					
Subsidence Insurance Claims				n/a	n/a
Subsidence Investigations				n/a	n/a
Motion Map Data (1:2,500)					
Motion Map (100m)	pg 9		11	n/a	n/a

Report Version v47.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Mitchell Main Colliery Location: Wombwell, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13317 Type: Underground Status: Ceased Operator: Ncb South Yorkshire Area Operator Location: Golden Smithies Lane, Wath-Upon-Deerne, Rotherham, South Yorkshire, S63 7ew Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	4	1	439170 404215
2	BGS Recorded Mineral Sites Site Name: New Hall Location: Ardsley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37885 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	819	1	439390 405027
3	BGS Recorded Mineral Sites Site Name: Darfield Main Colliery Location: Darfield, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 183 Type: Underground Status: Ceased Operator: British Coal - N Yorkshire Area Operator Location: Po Box 13, Allerton Bywater, Castleford, West Yorkshire, Wf10 2al Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14SE (E)	846	1	440125 404020
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (W)	0	2	439196 404153
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (W)	0	3	439196 404153
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	439196 404153
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	142	1	439355 404241
4	Potential Mining Areas Name: Mitchell Main Ceased Operation: 1935 Commodity: Coal; Fenton Reference: 11747 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (W)	0	4	439196 404153
5	Potential Mining Areas Name: Mitchell Main Ceased Operation: 1918 Commodity: Coal; Barnsley Reference: 8598 Alternate: Nos. 1, 2 Name/Mine: Not Supplied Custodian: Not Supplied	A13NW (W)	0	4	439196 404153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Potential Mining Areas Name: Mitchell Main and Darfield Main Ceased Operation: 1921 Commodity: Coal; Dunsil Reference: 8574 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (W)	0	4	439196 404153
7	Potential Mining Areas Name: Mitchell Main Ceased Operation: 1930 Commodity: Coal; Melton Field Reference: 10224 Alternate: Nos. 1, 2 Name/Mine: Custodian: Not Supplied	A13NW (W)	0	4	439196 404153
8	Potential Mining Areas Name: Swaithe Main Ceased Operation: 1896 Commodity: Coal; Barnsley Reference: 3479 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13NW (N)	1	4	439195 404253
9	Potential Mining Areas Name: Darfield Main Ceased Operation: 1919 Commodity: Coal; Barnsley; Swallow Wood Reference: 8599 Alternate: Nos. 1, 2, 3 Name/Mine: Custodian: Not Supplied	A13NE (E)	39	4	439319 404155
10	Potential Mining Areas Name: Wombwell Main Ceased Operation: 1909 Commodity: Coal; Barnsley; Swallow Wood Reference: 5447 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A13SW (W)	199	4	438917 404150
11	Potential Mining Areas Name: Wombwell Main Ceased Operation: 1890 Commodity: Coal; Barnsley Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Childe and Rowand, 59 Westgate, Wakefield.	A13SW (W)	199	4	438917 404150
12	Potential Mining Areas Name: Oaks and Oaks New Ceased Operation: 1909 Commodity: Coal; Barnsley Thick; Melton Field Reference: 5505 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A18SW (N)	403	4	439189 404656
13	Potential Mining Areas Name: Darfield Main Ceased Operation: 1928 Commodity: Coal; Beamshaw Reference: 9672 Alternate: Nos. 1, 2, 3 Name/Mine: Custodian: Not Supplied	A14NW (E)	441	4	439721 404160
14	Potential Mining Areas Name: Wombwell Main Ceased Operation: 1907 Commodity: Coal; Swallow Wood; New Barnsley Reference: 5133 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A8SE (S)	604	4	439205 403449

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Potential Mining Areas Name: Darfield Main Ceased Operation: 1914 Commodity: Coal; Dunsil Reference: 6254 Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A14NE (E)	843	4	440123 404165
16	Potential Mining Areas Name: Wombwell Ceased Operation: Not Supplied Commodity: Coal Reference: Not Supplied Alternate: Not Supplied Name/Mine: Custodian: Not Supplied	A14SE (E)	874	4	440127 403863

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Extractive Industries or Potential Excavations from 1855-1909 Use: Mitchell Main Colliery First Map Published 1892 Date: Last Map Published Not Applicable Date:	A13NW (W)	0	-	439196 404153
18	Extractive Industries or Potential Excavations from 1855-1909 Use: Dearne & Dove Canal First Map Published 1892 Date: Last Map Published 1893 Date:	A13SW (SW)	13	-	439173 404137
19	Extractive Industries or Potential Excavations from 1855-1909 Use: Railway Embankment First Map Published 1892 Date: Last Map Published Not Applicable Date:	A13NW (NW)	34	-	439134 404285
20	Extractive Industries or Potential Excavations from 1855-1909 Use: Unspecified Pit First Map Published 1892 Date: Last Map Published Not Applicable Date:	A13NW (NW)	98	-	439041 404299
21	Extractive Industries or Potential Excavations from 1893-1915 Use: Mitchell Main Colliery First Map Published 1906 Date: Last Map Published Not Applicable Date:	A13NW (W)	0	-	439196 404153
22	Extractive Industries or Potential Excavations from 1893-1915 Use: Sheffield & South Yorkshire Navigation Dearne & Dove Canal First Map Published 1906 Date: Last Map Published 1906 Date:	A13SW (SW)	15	-	439172 404136
23	Extractive Industries or Potential Excavations from 1893-1915 Use: Coke Ovens First Map Published 1906 Date: Last Map Published Not Applicable Date:	A13NE (NE)	16	-	439232 404192
24	Extractive Industries or Potential Excavations from 1893-1915 Use: Gasometer First Map Published 1906 Date: Last Map Published Not Applicable Date:	A13NW (NW)	30	-	439121 404281
25	Extractive Industries or Potential Excavations from 1893-1915 Use: Railway Embankment First Map Published 1906 Date: Last Map Published Not Applicable Date:	A13NW (NW)	33	-	439132 404284
26	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Deposited Material First Map Published 1906 Date: Last Map Published Not Applicable Date:	A13NE (NE)	76	-	439259 404229
27	Extractive Industries or Potential Excavations from 1906-1937 Use: Shaft First Map Published 1931 Date: Last Map Published Not Applicable Date:	A13SW (S)	0	-	439196 404150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Extractive Industries or Potential Excavations from 1906-1937 Use: Mitchell Main Colliery First Map Published 1931 Date: Last Map Published 1931 Date:	A13NW (W)	0	-	439196 404153
29	Extractive Industries or Potential Excavations from 1906-1937 Use: Shaft First Map Published 1931 Date: Last Map Published Not Applicable Date:	A13NW (NW)	0	-	439169 404177
30	Extractive Industries or Potential Excavations from 1906-1937 Use: Sheffield & South Yorkshire Navigation Dearne & Dove Canal First Map Published 1930 Date: Last Map Published 1931 Date:	A13SW (SW)	15	-	439172 404136
31	Extractive Industries or Potential Excavations from 1906-1937 Use: Unspecified Deposited Material First Map Published 1931 Date: Last Map Published Not Applicable Date:	A13NE (NE)	53	-	439259 404225
32	Extractive Industries or Potential Excavations from 1950-1980 Use: Shaft First Map Published 1962 Date: Last Map Published N/A Date:	A13SW (S)	0	-	439197 404149
33	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1962 Date: Last Map Published N/A Date:	A13NE (NE)	5	-	439208 404178
34	Extractive Industries or Potential Excavations from 1950-1980 Use: Sheffield & South Yorkshire Navigation Dearne & Dove Canal First Map Published 1962 Date: Last Map Published Not Applicable Date:	A13SW (SW)	15	-	439173 404137
35	Extractive Industries or Potential Excavations from 1950-1980 Use: Sheffield & South Yorkshire Navigation Dearne & Dove Canal First Map Published 1962 Date: Last Map Published Not Applicable Date:	A13SE (S)	54	-	439250 404000
36	Extractive Industries or Potential Excavations from 1950-1980 Use: Unspecified Deposited Material First Map Published 1962 Date: Last Map Published N/A Date:	A13NE (NE)	55	-	439264 404220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	General Quarrying Use: Not Supplied Date of Mapping: 1854	A18NE (N)	830	-	439394 405038
38	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1989	A13NE (N)	226	-	439218 404459
39	Mineral Railway Use: Not Supplied Date of Mapping: 1854 - 1938	A9NW (SE)	686	-	439855 403706
40	Mineral Railway Use: Not Supplied Date of Mapping: 1854	A14SE (E)	808	-	440063 403877
41	Mineral Railway Use: Not Supplied Date of Mapping: 1854	A14SE (E)	836	-	440109 403968
42	Mineral Railway Use: Not Supplied Date of Mapping: 1854 - 1956	A12SW (W)	870	-	438347 403820
43	Mining & quarrying general Use: Not Supplied Date of Mapping: 1989	A13NE (E)	0	-	439200 404154
44	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1894 - 1956	A13NW (W)	0	-	439196 404153
45	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1894 - 1989	A14SE (E)	675	-	439955 404110
46	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1989	A14NW (E)	368	-	439619 404227
47	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A13NW (W)	0	-	439196 404153
48	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A14SE (E)	690	-	439971 404112
49	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18NE (N)	830	-	439394 405038
50	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (SW)	12	-	439171 404136
51	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12NW (W)	598	-	438517 404209
52	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1854	A14SE (E)	612	-	439893 404080
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1854	A14SE (E)	658	-	439939 404118
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1854	A7NW (SW)	900	-	438423 403654
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NW (SW)	901	-	438470 403597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Brine Compensation Area The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
56	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	439196 404153
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	16	1	439226 404177
57	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	439196 404153
58	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	29	1	439244 404207
59	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	70	1	439267 404237
60	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	169	1	439415 403977
61	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	198	1	439472 404029
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	19	1	439172 404130
	Potential for Ground Dissolution Stability Hazards No Hazard				
62	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	439196 404153
63	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	39	1	439237 404226
64	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	52	1	439249 404235
65	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	189	1	439041 404420
66	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	439196 404153
67	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	29	1	439244 404207
68	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	70	1	439267 404237
69	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	169	1	439415 403977
70	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	198	1	439472 404029
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	19	1	439172 404130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	1	439196 404153
72	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	16	1	439226 404177
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	439185 404146

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Motion Map Average Velocity 6.5 Gradient (mmyear):	A13NW (NW)	23	-	439115 404195
74	Motion Map Average Velocity 4.5 Gradient (mmyear):	A13NW (W)	41	-	439121 404161
75	Motion Map Average Velocity 3.1 Gradient (mmyear):	A13SE (SE)	46	-	439306 404043
76	Motion Map Average Velocity 4.9 Gradient (mmyear):	A13SE (S)	75	-	439218 403985
76	Motion Map Average Velocity 4.4 Gradient (mmyear):	A13SE (S)	80	-	439214 403982
77	Motion Map Average Velocity 3.2 Gradient (mmyear):	A13SE (S)	81	-	439210 403983
78	Motion Map Average Velocity 4.6 Gradient (mmyear):	A13NW (NW)	84	-	439031 404234
78	Motion Map Average Velocity 6.1 Gradient (mmyear):	A13NW (NW)	84	-	439030 404230
78	Motion Map Average Velocity 5.4 Gradient (mmyear):	A13NW (NW)	85	-	439030 404226
78	Motion Map Average Velocity 6.3 Gradient (mmyear):	A13NW (NW)	94	-	439021 404236
79	Motion Map Average Velocity 3.2 Gradient (mmyear):	A13SE (SE)	88	-	439335 404012