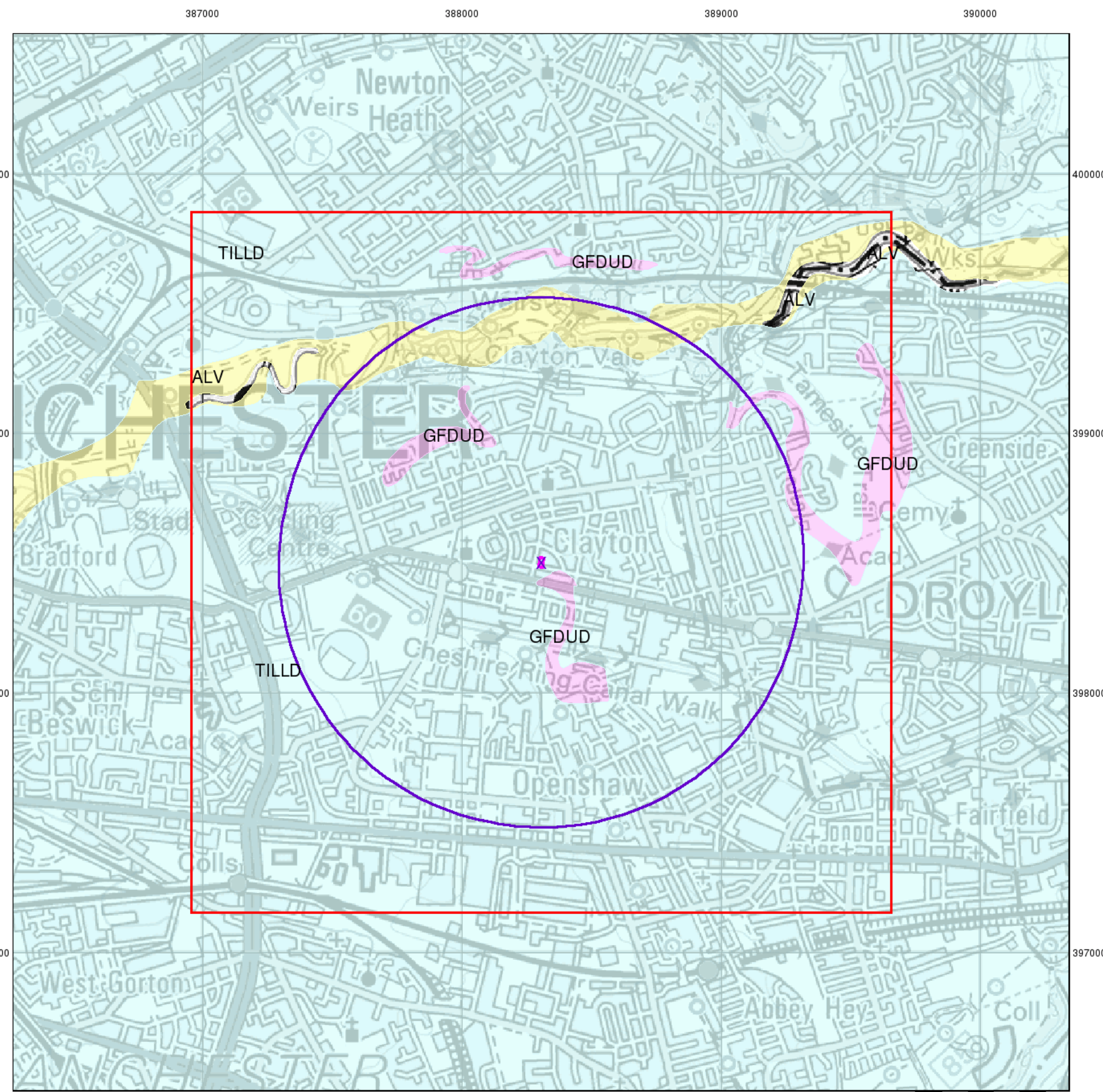




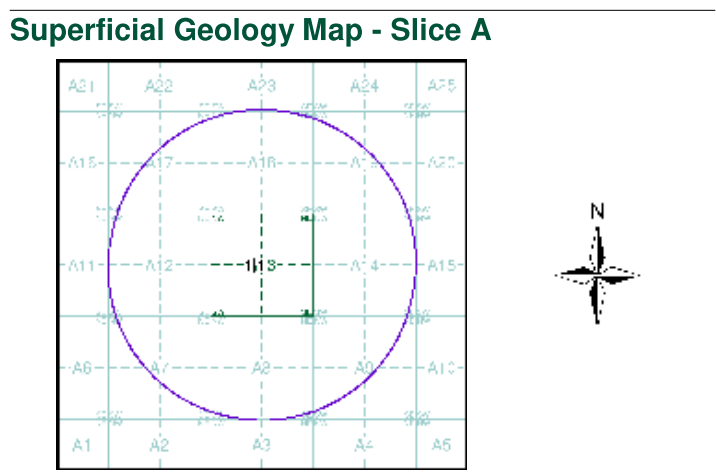
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Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

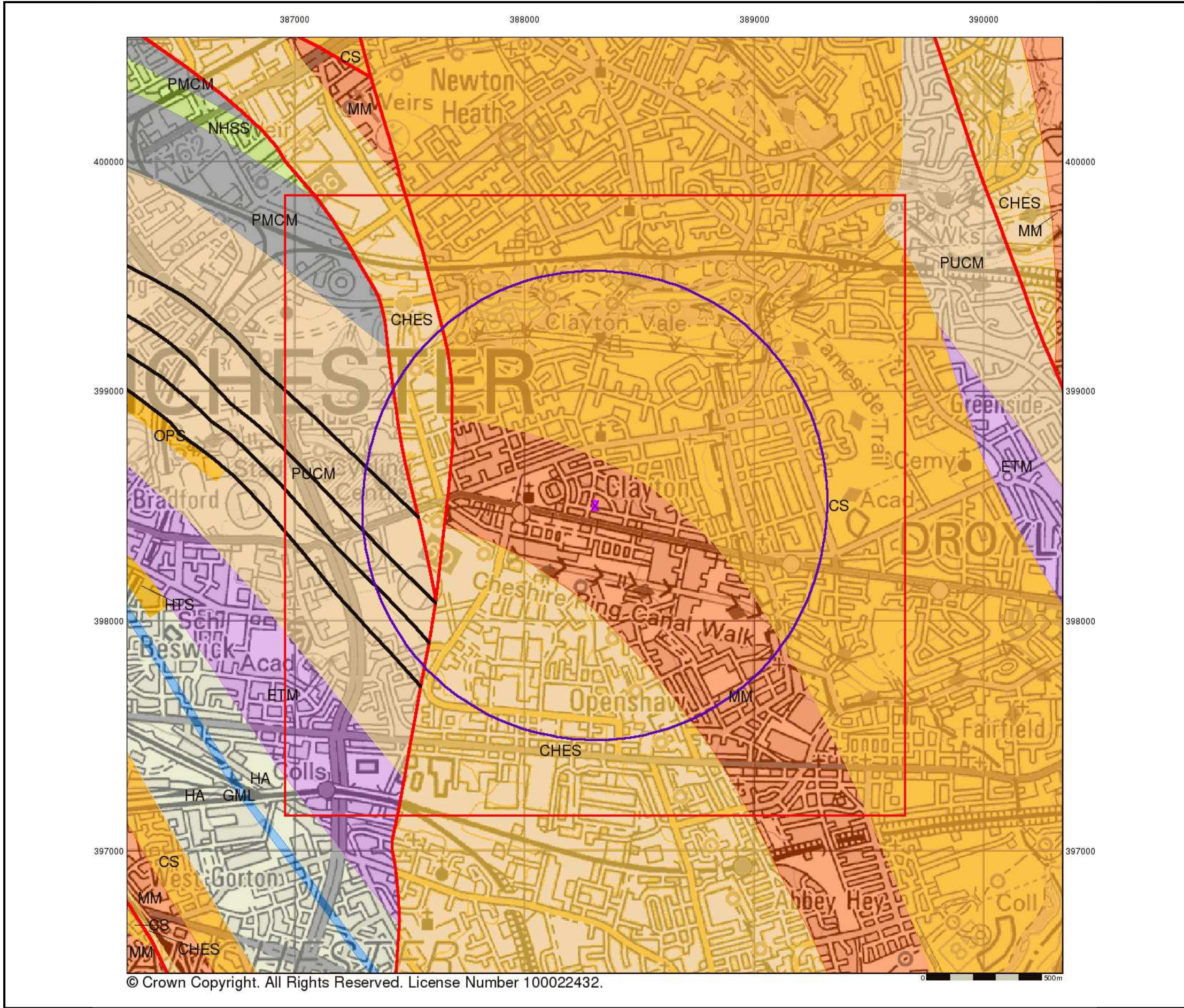
Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.



Order Details:

Order Number:	273939042_1_1
Customer Reference:	EBMA2711
National Grid Reference:	388310, 398500
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details:
28, Canberra Street, Manchester, M11 4NL



Bedrock and Faults

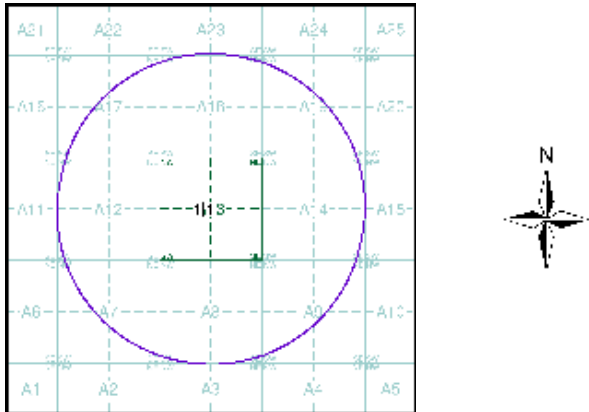
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

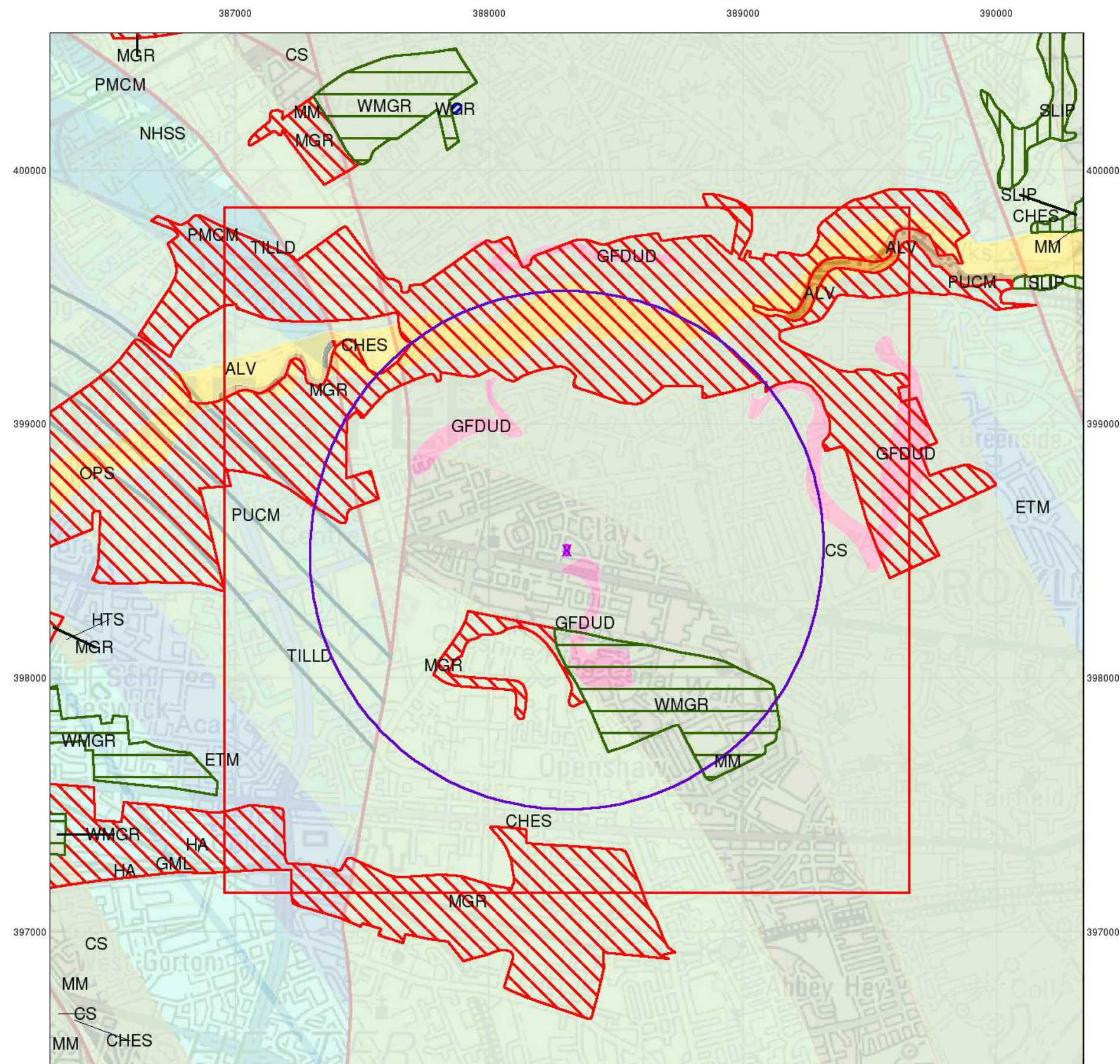
Bedrock and Faults Map - Slice A



Order Details:

Order Number:	273939042_1_1
Customer Reference:	EBMA2711
National Grid Reference:	388310, 398500
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details:
28, Canberra Street, Manchester, M11 4NL



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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

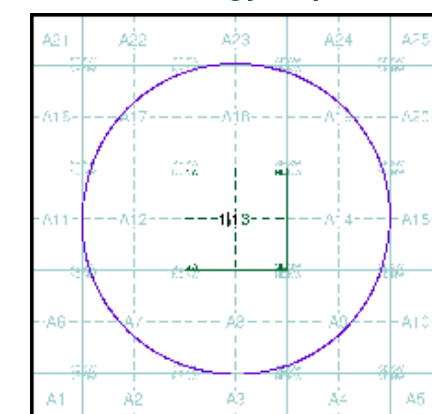
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number:	273939042_1_1
Customer Reference:	EBMA2711
National Grid Reference:	388310, 398500
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details:

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v15.0 24-Feb-2021

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Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
273939042_1_1

Customer Reference:
EBMA2711

National Grid Reference:
388310, 398500

Slice:
A

Site Area (Ha):
0.07

Search Buffer (m):
1000

Site Details:

28, Canberra Street
Manchester
M11 4NL

Client Details:

Ms S Hyde
Curtins Consulting Ltd
Merchant Exchange
17-19 Whitworth Street West
Manchester
M1 5WG

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	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.	1
Historical Land Use Information (1:2,500)	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.	3
Historical Land Use Information (1:10,000)	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.	4
Ground Stability Data (1:50,000)	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.	11
Historical Map List	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.	12
Data Currency		13
Data Suppliers		14
Useful Contacts		15

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The brine subsidence data relating to the Driotwich 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.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

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			2	6
Coal Mining Affected Areas	pg 2	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability	pg 2	Yes	n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas	pg 2		1		3
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)	pg 3		2	n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				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)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground	pg 4				2
General Quarrying					
Heap, unknown constituents	pg 4				9
Mineral Railway	pg 4				2
Mining & quarrying general					
Mining of coal & lignite	pg 4				1
Quarrying of sand & clay, operation of sand & gravel pits	pg 4		2	2	4
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 5		2	5	9
Potentially Infilled Land (Water)	pg 5		6	13	77
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11	Yes	Yes	n/a	n/a
Salt Mining Related Features					

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites		A13SW (SW)	335	1	388126 398196
	Site Name: Stockport Junction Sand Pit Location: Openshaw, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 243081 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m					
2	BGS Recorded Mineral Sites		A8NE (S)	474	1	388490 398045
	Site Name: Clayton Gardens Sand Pit Location: Clayton, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15092 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m					
3	BGS Recorded Mineral Sites		A14SW (SE)	504	1	388715 398185
	Site Name: East End Brick Field Location: Clayton, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 29597 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m					
4	BGS Recorded Mineral Sites		A12NW (W)	786	1	387518 398614
	Site Name: West End Brick Field Location: Clayton, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 243078 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m					
5	BGS Recorded Mineral Sites		A8SW (S)	799	1	388150 397700
	Site Name: Openshaw Brick Works Location: Openshaw, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 29595 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m					
6	BGS Recorded Mineral Sites		A7NW (SW)	931	1	387460 398070
	Site Name: Clayton Colliery Location: Gorton, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 29591 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Bradford Four Foot Coal (South Lancashire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m					

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	BGS Recorded Mineral Sites Site Name: Wayne Street Brick Field Location: Openshaw, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 29596 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m		A9SW (SE)	957	1	388845 397690
8	BGS Recorded Mineral Sites Site Name: North Street Brick Works Location: Openshaw, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 29594 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m		A7SE (SW)	960	1	387805 397660
	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.		A13SE (SW)	0	2	388305 398504
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied		A13SE (SW)	0	3	388305 398504
	Non Coal Mining Areas of Great Britain No Hazard					
9	Potential Mining Areas Name: Bradford Ceased Operation: 1935 Commodity: Coal; Parket Reference: 11471 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied		A13NW (W)	235	4	388058 398506
10	Potential Mining Areas Name: Bradford and Clayton Ceased Operation: 1891 Commodity: Coal; Four Foot Reference: 2655 Alternate: Forge Name/Mine: Not Supplied Custodian: Not Supplied		A12NE (W)	638	4	387656 398510
11	Potential Mining Areas Name: Bradford Ceased Operation: 1905 Commodity: Fireclay Reference: 4817 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied		A12NE (W)	638	4	387656 398510
12	Potential Mining Areas Name: Clayton Ceased Operation: 1878 Commodity: Coal; Four Feet; Two Feet; Yard Reference: 989 Alternate: Not Supplied Name/Mine: Not Supplied Custodian: Not Supplied		A8NW (S)	666	4	388052 397865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Extractive Industries or Potential Excavations from 1893-1915 Use: Brick Works First Map Published 1908 Date: Not Applicable Last Map Published Not Applicable Date:	A13NE (NE)	52	-	388345 398565
14	Extractive Industries or Potential Excavations from 1893-1915 Use: Unspecified Pits First Map Published 1908 Date: Not Applicable Last Map Published Not Applicable Date:	A13NE (NE)	52	-	388345 398565

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Disturbed Ground Use: Not Supplied Date of Mapping: 1909		A19NW (NE)	925	-	388954 399192
16	Disturbed Ground Use: Not Supplied Date of Mapping: 1895		A9SW (SE)	948	-	388728 397633
17	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1956		A18SE (N)	655	-	388507 399148
18	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1923		A12SE (W)	656	-	387651 398349
19	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1923		A18SW (N)	673	-	388085 399162
20	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1909		A19SW (NE)	694	-	388645 399133
21	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1894		A12NW (W)	737	-	387573 398645
22	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1956		A12SW (W)	782	-	387548 398249
23	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1956		A18NW (N)	889	-	388053 399379
24	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1923		A18NW (N)	941	-	388080 399439
25	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1956		A18NW (N)	966	-	388090 399467
26	Mineral Railway Use: Not Supplied Date of Mapping: 1909 - 1956		A17NE (NW)	900	-	387717 399209
27	Mineral Railway Use: Not Supplied Date of Mapping: 1909 - 1923		A17SW (W)	943	-	387421 398862
28	Mining of coal & lignite Use: Not Supplied Date of Mapping: 1848		A12SW (W)	833	-	387461 398438
29	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1848		A13SE (SE)	44	-	388347 398460
30	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1894		A13NE (NE)	155	-	388463 398575
31	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1848 - 1956		A8NE (S)	399	-	388466 398116
32	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1894		A18SE (N)	468	-	388322 398992
33	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1895		A7NE (SW)	619	-	387894 398014
34	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1956		A9NW (SE)	641	-	388714 397986
35	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1909		A18SW (N)	661	-	388156 399170

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1909		A18NW (N)	879	-	388070 399372
37	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A13SE (SE)	44	-	388347 398460
38	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A13NE (N)	54	-	388327 398575
39	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A13NW (NW)	303	-	388172 398799
40	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A8NE (S)	396	-	388457 398116
41	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A14NW (E)	467	-	388767 398645
42	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A18SE (N)	468	-	388322 398992
43	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A14SW (SE)	496	-	388711 398193
44	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A7NE (SW)	619	-	387894 398014
45	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A9NW (SE)	641	-	388714 397986
46	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A18SW (N)	661	-	388156 399170
47	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A8SW (S)	684	-	388205 397806
48	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A9NW (SE)	817	-	388801 397831
49	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A12SW (W)	833	-	387461 398438
50	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A7SE (SW)	872	-	387859 397730
51	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A18NW (N)	879	-	388070 399372
52	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993		A12NW (W)	905	-	387395 398602
53	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A13SE (SE)	24	-	388322 398463
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A13SW (W)	100	-	388194 398477
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A13NW (NW)	141	-	388231 398647
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A13SW (SW)	150	-	388174 398395

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A13NE (N)	189	-	388316 398713
58	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A13SW (W)	233	-	388060 398476
59	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A13NE (E)	290	-	388596 398601
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956		A13SW (S)	293	-	388282 398191
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A12NE (W)	346	-	387967 398613
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A18SE (N)	355	-	388441 398854
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A18SW (N)	362	-	388232 398880
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A14NW (E)	368	-	388670 398624
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A13NW (NW)	378	-	387993 398742
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A8NW (SW)	386	-	388087 398160
67	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A18SW (NW)	410	-	388049 398848
68	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A12SE (W)	410	-	387886 398441
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A8NW (SW)	416	-	388066 398138
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A14NW (NE)	465	-	388658 398839
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A12SE (SW)	476	-	387889 398233
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A14NW (E)	517	-	388833 398531
73	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A8NE (SE)	520	-	388561 398029
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A14SW (SE)	523	-	388795 398292
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A14NW (NE)	534	-	388805 398738
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A18SE (N)	549	-	388496 399040
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A18SE (N)	550	-	388410 399064

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A8NW (SW)	550	-	388062 397987
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A18SW (N)	564	-	388187 399077
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A14NW (NE)	569	-	388845 398735
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A8NE (S)	587	-	388405 397904
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83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SW (NE)	607	-	388703 398991
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SW (NE)	607	-	388797 398892
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A14NW (E)	608	-	388897 398702
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A14SW (E)	615	-	388904 398329
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A12NE (W)	626	-	387677 398601
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A14SW (E)	637	-	388930 398346
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A7NE (SW)	640	-	387938 397954
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SW (NE)	641	-	388742 399002
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A9NW (SE)	646	-	388850 398130
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A12NE (W)	667	-	387655 398686
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97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A17SE (NW)	731	-	387749 399004
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895		A7NE (SW)	733	-	387653 398130

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
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101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A17SE (NW)	752	-	387840 399118
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103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A14NE (E)	759	-	389062 398669
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A14SE (E)	763	-	389076 398439
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A14NE (NE)	771	-	389032 398809
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SW (NE)	772	-	388789 399133
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SW (NE)	775	-	388889 399044
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A14NE (E)	780	-	389096 398555
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A12SW (W)	808	-	387504 398311
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111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956		A7NE (SW)	813	-	387778 397858
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A9NE (SE)	813	-	389039 398127
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114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A19NW (NE)	822	-	388694 399252
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A17SE (NW)	828	-	387645 399029
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A7SE (SW)	831	-	387818 397805
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A9NE (SE)	842	-	389059 398100
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A14SE (E)	843	-	389110 398222
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956		A19NW (NE)	852	-	388643 399308

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122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956		A12NW (W)	860	-	387438 398578
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A12NW (W)	860	-	387446 398632
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SW (NE)	863	-	388880 399176
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A19SW (NE)	868	-	388966 399098
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A14SE (E)	871	-	389140 398224
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SE (NE)	871	-	389049 398994
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956		A12SW (W)	876	-	387434 398315
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A12NW (W)	889	-	387425 398678
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A12NW (W)	889	-	387450 398777
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A18NE (N)	896	-	388394 399416
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895		A14SE (E)	904	-	389172 398217
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19SW (NE)	910	-	388969 399157
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A14NE (E)	912	-	389181 398814
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895		A8SW (S)	915	-	388208 397573
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909		A14SE (E)	918	-	389178 398187
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138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895		A14SE (E)	940	-	389210 398216
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A19NW (NE)	944	-	388800 399333
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A14NE (E)	948	-	389265 398523

Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
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143	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848		A8SW (S)	978	-	388244 397507
144	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923		A9SE (SE)	979	-	389009 397798
145	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956		A18NE (N)	981	-	388544 399476
146	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894		A17NE (NW)	989	-	387807 399382
147	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1922		A14SE (E)	992	-	389283 398296
148	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1922		A14NE (E)	996	-	389288 398743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District 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.				
149	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	388305 398504
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	388305 398504
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	388305 398504
150	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	388305 398504
151	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	388305 398504
152	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	388305 398504
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	35	1	388328 398453

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Lancashire And Furness	104_08	1893
Lancashire And Furness	104_12	1893
Lancashire And Furness	104_08	1908
Lancashire And Furness	104_12	1908
Lancashire And Furness	104_08	1932
Lancashire And Furness	104_12	1933

The following mapping has been analysed for Historical Land Use Information (1:10,000):

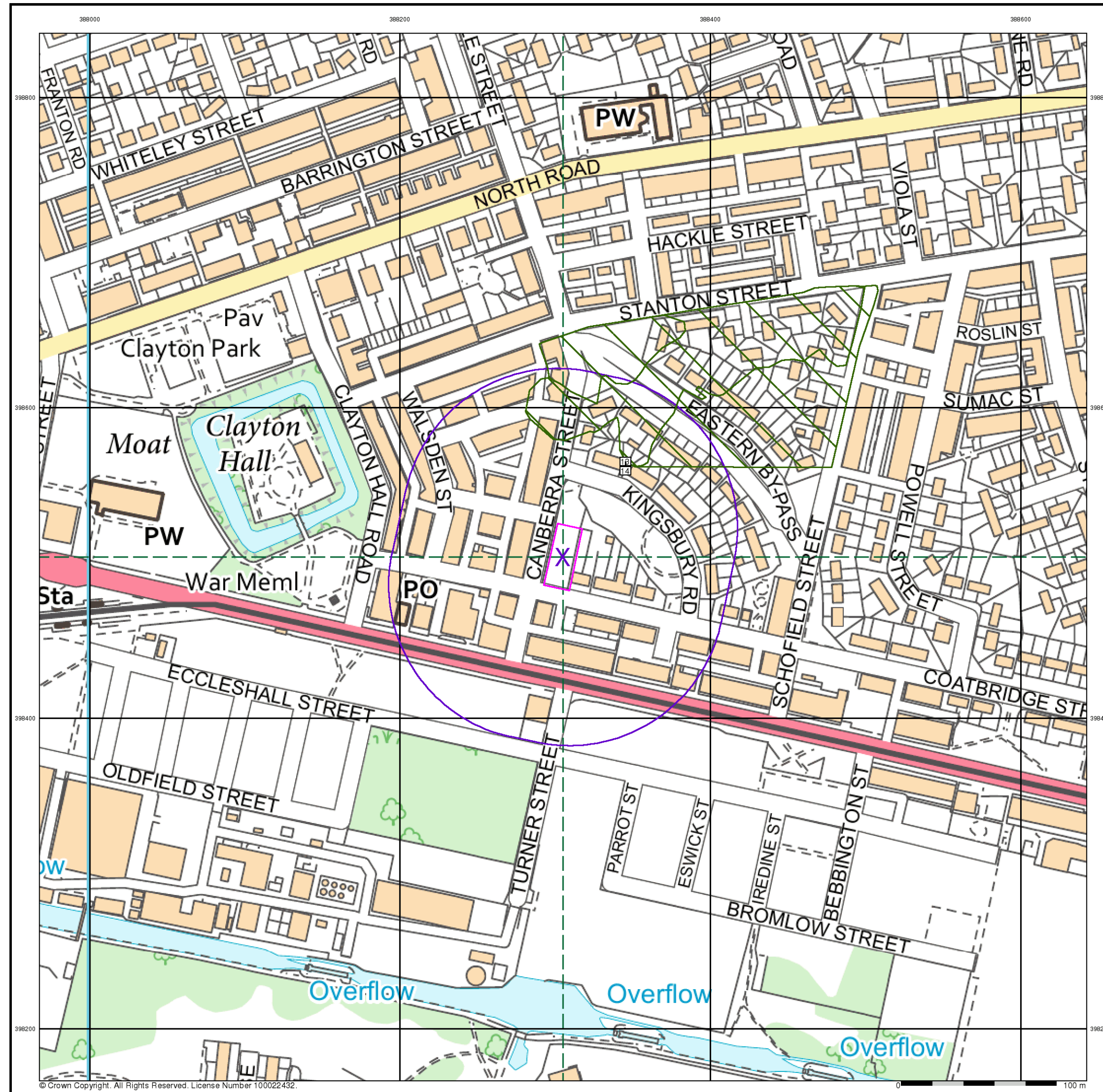
1:10,560	Mapsheet	Published Date
Lancashire And Furness	104_00	1848
Lancashire And Furness	105_00	1848
Cheshire	003A_00	1882
Lancashire And Furness	104_NE	1894
Lancashire And Furness	105_SW	1894
Lancashire And Furness	104_SE	1895
Lancashire And Furness	105_NW	1895
Cheshire	003A_SE	1899
Lancashire And Furness	104_NE	1909
Lancashire And Furness	104_SE	1909
Lancashire And Furness	105_NW	1910
Lancashire And Furness	105_SW	1910
Cheshire	003A_SE	1911
Lancashire And Furness	105_NW	1922
Lancashire And Furness	105_SW	1922
Lancashire And Furness	104_NE	1923
Lancashire And Furness	104_SE	1923
Cheshire	003A_SE	1938
Ordnance Survey Plan	SJ89NE	1956
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SJ89NE	1993

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2020	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	November 2020	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Stantec UK Ltd	November 2020	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	February 2020	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	 The Coal Authority
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	 wardell armstrong your earth our world
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
3	Ove Arup & Partners Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1 3PL	Telephone: 0191 261 6080 Fax: 0191 261 7879
4	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9960 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmarkinfo.co.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



Historical Land Use Information (1:2,500)

General

- Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location

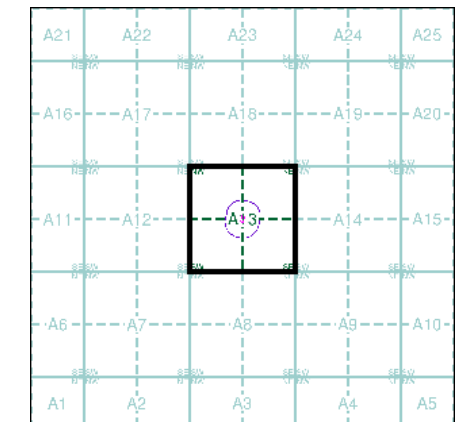
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment A13

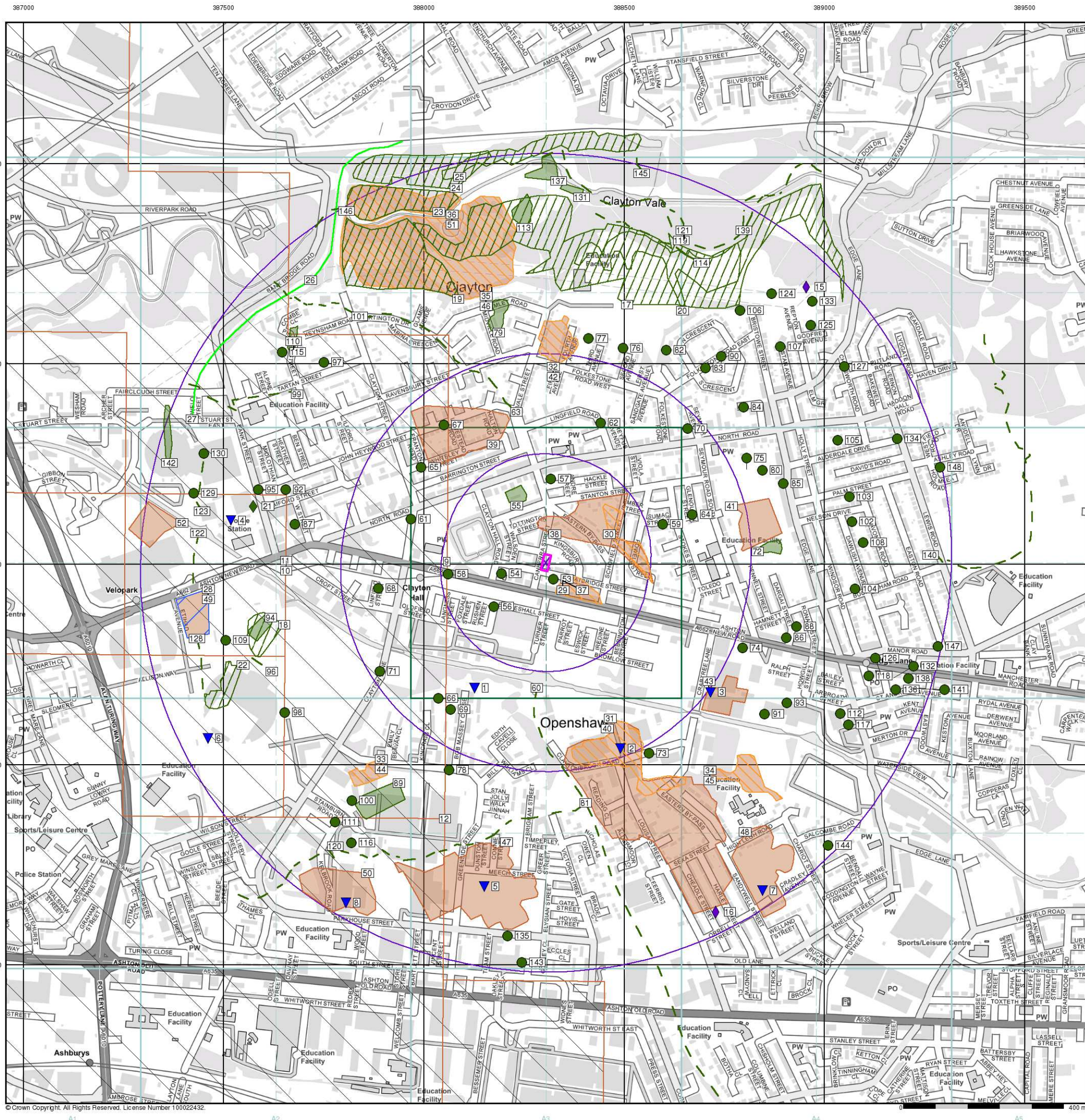


Order Details

Order Number: 273939042_1_1
Customer Ref: EBMA2711
National Grid Reference: 388310, 398500
Slice: A
Site Area (Ha): 0.07
Plot Buffer (m): 100

Site Details

28, Canberra Street, Manchester, M11 4NL



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LANDMARK INFORMATION GROUP[®]

Historical Land Use Information (1:10,000)

General

Specified Site Specified Buffer(s) Bearing Reference Point Map ID
Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

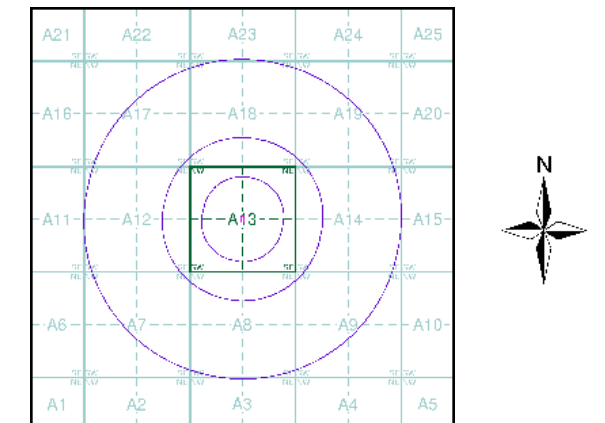
Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

Potential Mining Area
BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

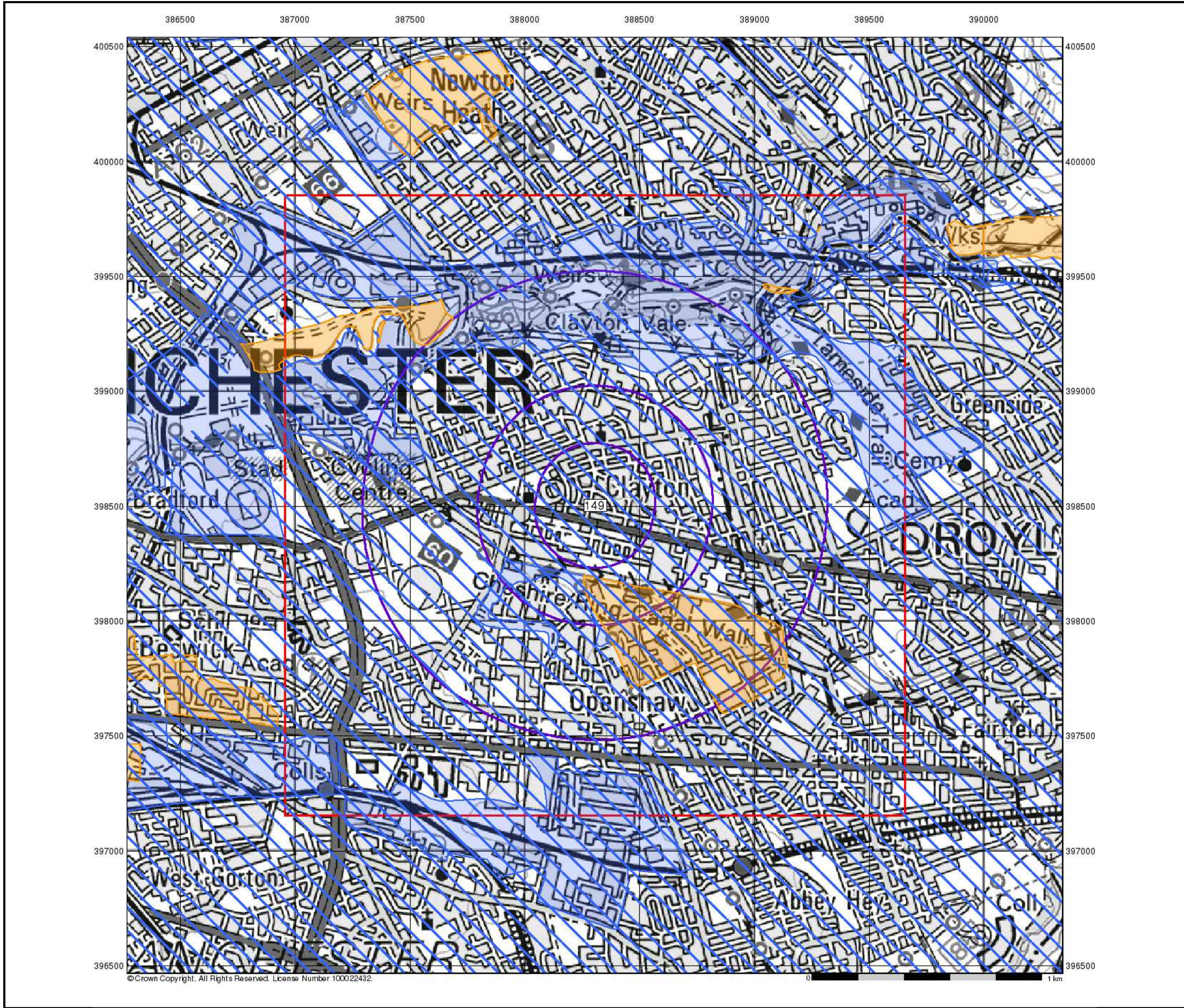
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Customer Ref: EBMA2711
National Grid Reference: 388310, 398500
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

28, Canberra Street, Manchester, M11 4NL

Landmark[®]
INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck

LANDMARK INFORMATION GROUP

Ground Stability Data (1:50,000)

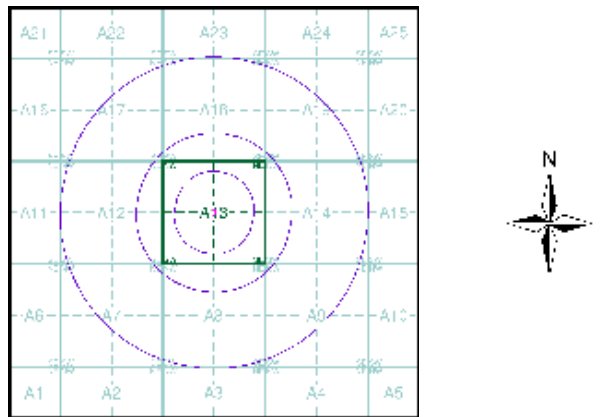
- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID

- Potential for Compressible Ground Stability Hazards**
- High
 - Moderate
 - Low
 - Very Low

- Potential for Collapsible Ground Stability Hazards**
- High
 - Moderate
 - Low
 - Very Low

- Brine Pumping and Salt Mining**
- | | Point | Polygon |
|-------------------------------|-------|---------|
| Brine Pumping Related Feature | ▲ | ▢ |
| Salt Mining Related Feature | ▲ | ▢ |

Mining and Ground Stability - Slice A

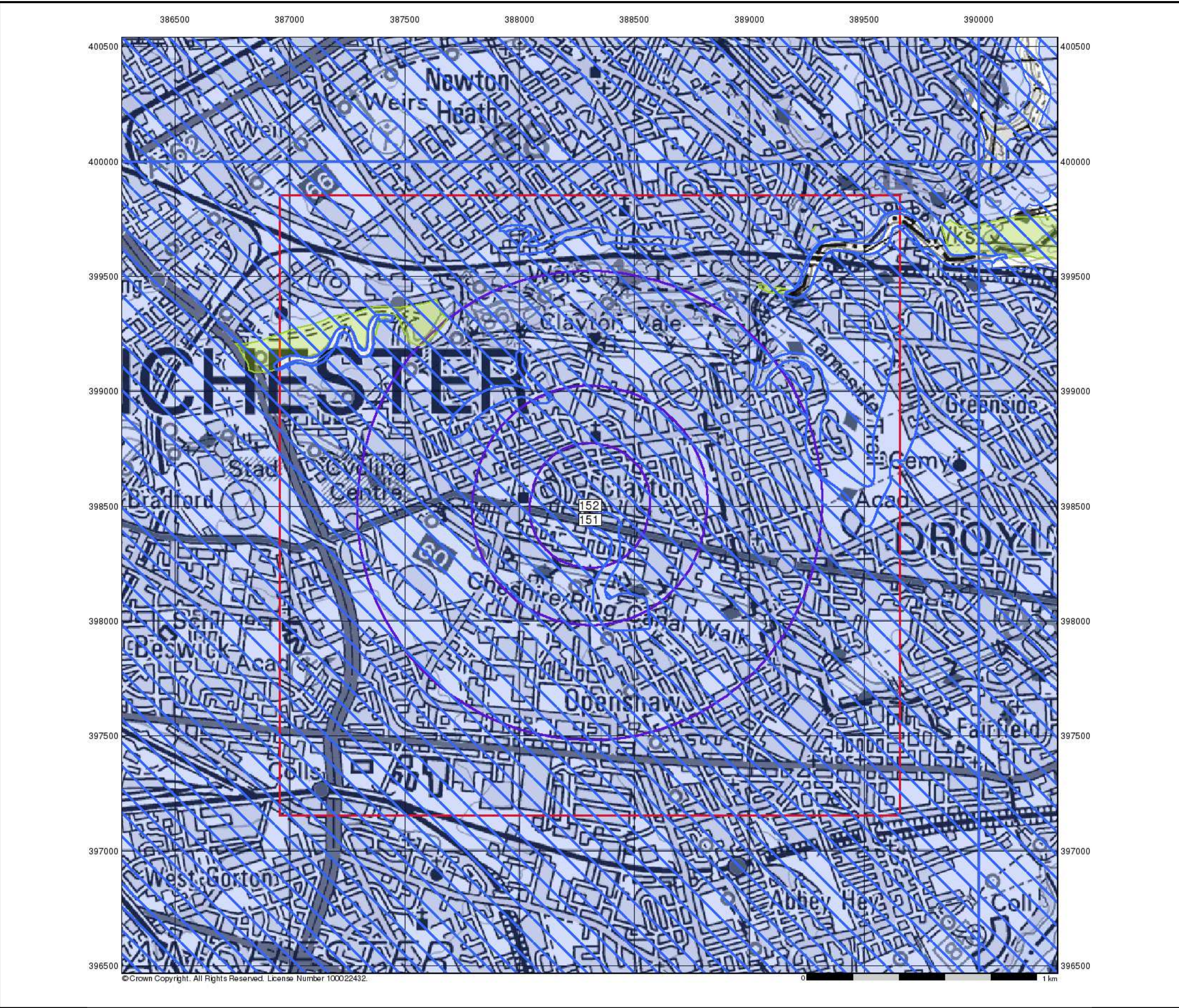


- Order Details**
- Order Number: 273939042_1_1
 - Customer Ref: EBMA2711
 - National Grid Reference: 388310, 398500
 - Slice: A
 - Site Area (Ha): 0.07
 - Search Buffer (m): 1000

- Site Details**
- 28, Canberra Street, Manchester, M11 4NL

Landmark INFORMATION GROUP

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Web: www.envirocheck.co.uk



Envirocheck

LANDMARK INFORMATION GROUP

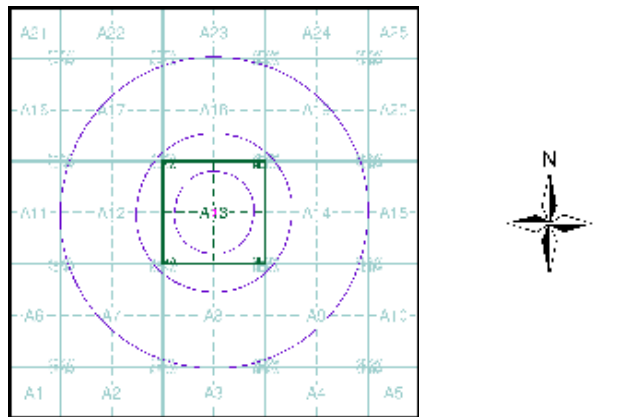
Ground Stability Data (1:50,000)

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID

- Potential for Running Sand Ground Stability Hazards**
- High
 - Moderate
 - Low
 - Very Low

- Potential for Shrinking or Swelling Clay Ground Stability Hazards**
- High
 - Moderate
 - Low
 - Very Low

Mining and Ground Stability - Slice A



- Order Details**
- Order Number: 273939042_1_1
 - Customer Ref: EBMA2711
 - National Grid Reference: 388310, 398500
 - Slice: A
 - Site Area (Ha): 0.07
 - Search Buffer (m): 1000

- Site Details**
- 28, Canberra Street, Manchester, M11 4NL

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Appendix C Qualitative Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are generally managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of an event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment, the consequence of the hazard has been classified as severe or medium or mild or minor and the probability (likelihood) of the circumstances occurring classified as high likelihood or likely or low likelihood or unlikely.

The consequences and probabilities are subsequently cross-correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

Consequence				
Probability (Likelihood)	Severe	Medium	Mild	Minor
	High Likelihood	Very High Risk	High Risk	Moderate Risk
	Likely	High Risk	Moderate Risk	Moderate/Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk
Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

Classification	Definition	Examples
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 an ecosystem or organisation forming part of such ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in an ecosystem or organism forming part of such ecosystem.	Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria. Leaching of contaminants from a site to a Principal or Secondary A aquifer. Death of a species within a designated nature reserve. Lesser toxic and asphyxiate effects
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater (inc. Secondary B aquifers). Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
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 presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discoloration of concrete.



In accordance with DoE guidance, the following categorisation of **probability** has been developed.

Classification	Definition
High Likelihood	There is a pollution linkage 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.

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

Classification	Definition
Very High Risk	There is a <i>high probability</i> that <i>severe harm</i> could arise to a designated receptor from an identified hazard at the site without appropriate further action.
High Risk	<i>Harm is likely to arise</i> to a designated receptor from an identified hazard at the site without appropriate further action.
Moderate Risk	<i>It is possible</i> that without appropriate further action <i>harm could arise</i> to a designated receptor. It is relatively <i>unlikely</i> that any such harm would be <i>severe</i> , and if any harm were to occur it is <i>more likely</i> that such harm would be <i>relatively mild</i> .
Low Risk	<i>It is possible</i> that <i>harm could arise</i> to a designated receptor from an identified hazard. It is <i>likely</i> that, at worst, if any harm was realised any effects would be <i>mild</i> .
Very Low Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

The term ‘risk’ in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.

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